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The Development of the Architectural Iron Founding Industry in Scotland

Volume I

By

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Abstract

This thesis describes the origins of the Scottish architectural iron founding industry. It also investigates the underpinning reasons for the proliferation of the Scottish industry in terms of the technological context and the complex inter–relationships of the key figures and firms involved.

The founding of Carron in 1759, combined with the discovery of blackband ironstone and the means to smelt it, prompted the rapid growth of the iron founding industry at the start of the 19th century. The influence of Carron in propagating a broader industry and the evolution of the early architectural specialists are discussed. Accounts are given of the key Scottish firms and projects and structures are considered in detail. The Saracen Foundry of Walter Macfarlane and Co is identified as a firm of international importance.

The comparative outputs of the key firms in relation to known structures are considered as well as the decline of the industry towards the end of the 20th century.

Significant works of innovation are identified which have not previously been appreciated in early iron façade construction at Perth Waterworks, and possibly the earliest iron glasshouse at Fairfield House in Dalkeith.

Acknowledgements

My first encounter with Scottish ironwork came with my time at Heritage Engineering at New Lanark and then Glasgow. For this I wish to thank my father, Jim Mitchell and his partner, Dave Bates. None of us realised how quickly our little firm would grow and the scale of projects we would undertake within a decade. Many of my colleagues at Heritage Engineering shared, or at least put up with, my passion and I learned much about engineering from them. Jim Fleming was a most unusual Director of Finance for a range of reasons, but his boyish enthusiasm for bandstands and habitual collection of their images and postcards has been a huge asset to me over the years. Gordon Urquhart, whilst at Glasgow Conservation Trust, pointed me in the right direction to learn more about these remarkable firms. Andrew Laing taught me a lot about traditional methods of iron founding and how to tell a cope from a drag! I have spent many happy hours both in Beaverbank Foundry and driving across Scotland in search of ironwork with him. John Bolton joined the Scottish Ironwork collective having pursued an interest in fountains on his own – he has since managed our ever growing database that started as a paper list 20 years ago. Ali Davey we met when she was doing her postgraduate dissertation on Scottish Ironwork in Ireland. The lure of ironwork had her re-locate to Scotland as a Research Fellow and has seen her develop an expertise on forged ironwork. She upwardly manages me and my colleagues at Historic Scotland and shares my passion for ironwork – we are the better for it. Robin Murdoch, an engineer come historian–archaeologist (he would like that description) has been suitably pedantic about the historical elements of this work and his archive skills and knowledge have been a great help.

The staff at William Patrick Library and the Auld Kirk Museum listened and humoured me in the early years and due to their hard work have one of the best iron founding archives in the country. I would like to thank fellow members of the Scottish Industrial Heritage Society and the late Eric Watt in particular, for habitually sending me snippets of information and opening new doors for me. Members of the Scottish Branch of the Institute of Cast Metal Engineers, formerly the Institute of British Foundrymen, were helpful with their reminiscences and introduced me to John Cameron of Cameron and Roberton. To my delight they have made me a Professional Member of the Institute of Cast Metal Engineers.

The internet is indeed a remarkable thing and has sprung to life over the course of this research. People around the world have shared information freely with me, answered questions and taken photographs. Professor Miles Lewis has done some remarkable work on pre-fabricated structures in Australia, and both he and Carole Gayle have freely shared their knowledge. The United States understands the importance of this material in architecture and has claimed it as its own – The US Association for Preservation Technology in Atlanta was very kind when I suggested to them at a conference, that perhaps Bogardus did not invent cast iron façade construction…

Descendants of the families of the Saracen partners have provided information – John Winstanley and Lt Col Sir Malcolm Ross KCVO OBE helped with information on the Macfarlane's. Andrew Thomas Russell produced a marvellous collection of family history papers documenting the first decade of the establishment of Saracen and personal recollections of Thomas Russell himself. These

fundamentally changed my thinking on the early years of the firm and a copy now rests with the National Archives of Scotland thanks to his generosity.

My former boss, Ingval Maxwell OBE, saw the potential and importance of the subject matter and gave me the support I needed to get started with this research. A broad range of my colleagues at Historic Scotland have also supported me over the years, finding new examples, putting up with me amending 'list descriptions' and getting over involved in their projects – I hope I have given them some assistance too. My friend and colleague, Chris McGregor, has collaborated with me on two of the largest iron conservation projects ever seen in Scotland – the Kibble in Glasgow and the Perth Waterworks. He has been supportive and encouraging throughout. Ruth Parsons in particular has allowed me the time to bring this work to a conclusion.

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David Scott Mitchell
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Chapter One

Introduction

In 1991 I was working for Heritage Engineering during summer leave from university. I was located in Glasgow's West End repairing cast iron railings in Westbourne Terrace and as I walked around I became curious about the makers' names and reference numbers displayed on the castings. I thought it remarkable that there were so many makers which seemed to be based in Glasgow. An early project took me to Stranraer to look at a fountain canopy and incredibly dilapidated bandstand. I found the mark of Walter Macfarlane & Co. consistently appearing.

A visit to the Mitchell Library led me to see a 7th Edition catalogue of the Saracen Foundry and I was immediately struck by the scale and volume of products produced by the firm. The books of Moss and Hume and Graeme Robertson provided broader context and introduced me to a seemingly never ending range of Scottish architectural iron founders. Discussions with a range of individuals led me to quickly understand that like much of our engineering and industrial heritage, architectural iron founding had been internationally significant but nationally had become largely forgotten.

As a child I lived near Carron Ironworks and was vaguely aware of the extensive Falkirk foundries that were in their final throes. As I became older I was also aware that the men who worked for our family firm, Heritage Engineering, were the last of their kind who had worked as 'proper' engineers. As Heritage Engineering grew

we undertook a broad range of industrial heritage projects, but around 50% of our turnover came from restoring and re-creating architectural ironwork. We collected catalogues and archive information, undertaking research for specific projects, whether bandstands, fountains or glasshouses. I learned much from the few remaining architectural iron foundries and developing our own patternmaking and engineering team.

Conservation and restoration work on several hundred architectural ironwork projects has given me a particular insight into how such structures were manufactured and assembled. Re-making structures such as the Lions Den in Oldham and especially the Dun Laoghaire Fountain Canopy, both Saracen structures, gave me a genuine respect for these companies, and Saracen in particular.

I started to collect information about structures which had been made in Scotland, and in 2002 received a Millennium Fellowship Award with Andrew Laing of Beaverbank Foundry, Edinburgh which allowed us to put my growing list onto the internet. This list has attracted a small group of people interested in Scottish architectural ironwork which has evolved into a loose collaboration called The Scottish Ironwork Foundation which seeks to promote architectural ironwork made or found in Scotland. The present database stands at just under 4,000 entries, collected and contributed from around the world.

As the heart of the Industrial revolution and home of heavy engineering it is perhaps not surprising that Britain prompted such an industry, yet it was predominantly firms in the Central Belt of Scotland, and in Glasgow in particular, who became leaders in the architectural iron founding field. Whilst previously unknown

pioneering work is identified in this study, others have grasped the global contribution made by Scottish firms;

'one of the finest of all iron buildings, worthy of comparison of New York, happily still stands in Jamaica Street, the Gardner Warehouse built in 1855–56 by the architect John Baird Sr and the ironfounder R McConnell.'[1]

Coalbrookdale were the innovators and a benchmark for technical competence in foundry technique, but they were never architectural specialists or even high volume manufacturers. English firms like the Butterley Iron Company created large iron masterpieces like St Pancras Station, but the excellence here was structural and the decorative applications are secondary and not of particularly high quality.

Yet Scotland had Carron, the Milton Foundry of McDowall Steven, the Sun Foundry of George Smith and Co, The Lion Foundry Co, James Allan and Co's Elmbank Foundry and perhaps most widely known, the Saracen Foundry of Walter Macfarlane and Co, possibly the world's leading architectural iron founders?

What was it about Scotland and these individual firms that prompted such success? The European tradition of wrought iron was long lived and was to influence Britain through Tijou primarily. Cast iron as a decorative medium never achieved the same status in France or Italy as it did in Britain, although the quality of work from Durenne or Val de' Osne in Paris was of the highest quality.

Only the Americans came close to matching the scale of manufacture, yet the ironworks of Daniel Badger and James

Bogardus of New York did not match the product range or delicacy of execution of the Scottish firms.

This thesis does not consider the structural uses of iron except where it contributes to a more decorative architectural purpose. It focuses on the decorative applications of architectural ironwork, from small decorative castings to entire buildings, but largely excluding what might be termed 'domestic' castings – ranges and the like. The variety of products considered largely follows the product ranges of the major firms.

Cast iron was a new and exciting material and enabled pre-fabricated structures and buildings to be created. This was a revolution in architectural design;

'This transfer from ad-hoc building to planned, multiple production is one of the fascinating break points in the curve of architectural evolution.'[2]

Whilst the international impact of these Scottish firms has proven to be significant, my research has focused on the first and most fundamental research task in this field – that of charting the development of the industry and the key firms within Scotland. That a book on the Saracen Foundry could be published in Brazil reflects the weight of influence and international presence the Scottish industry attained, yet in Scotland these firms have not to date been researched in any great detail. These were often firms with more than 1,000 employees yet they seemed to have vanished with little trace or recognition. The work of Moss and Hume in the 1970s provided the most fruitful initial foundation for this project of further investigation and it was from this point I started.

This thesis then, seeks to provide for the first time, a full and authoritative account of the development of this globally-significant industry within Scotland. It will trace the use of architectural ironwork in Scotland leading to the founding of Carron in 1759, and from that point to trace the rapid progress of the sector, spurred on by two key technological developments. It will record the history and output of some of the key firms which have not been previously documented in depth, and, as a postscript, will note the slow demise of the industry in the later 20th century.

It will seek to answer why Scotland developed the architectural ironworking industry, what the key triggers were, what form and range the industry took, and why some Scottish firms seemed to surpass all others. These main research questions will be fully answered in the main text of the thesis and the conclusion will then briefly return to the question of the international context of this unique Scottish achievement.

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1.1 Literature Review

The Evolution of the Architectural Iron Founding Industry in Scotland – Key Players and Contributions

The early production of iron has been covered in some detail[1] specifically in relation to charcoal based production, but the early use of iron as an architectural medium in Scotland has been largely incorporated in works on British ironwork. The most important accounts by Lister[2] and J Starkie[3] Gardner in particular, touch lightly on Scottish examples, focusing more on the impacts of Tijou and those influenced by him. Jane Geddes's work is a distinct and more contemporary improvement on this.[4]

Wrought iron as a decorative medium is well studied across Europe and into North America, which perhaps reflect the comparative youth of cast iron as a material.

Christison[5] provides us with an accurate and complete review of the early use of iron for architectural use in doors and windows, and yetts in particular. He notes that the Scottish iron tradition owes more to European influences via trade (the yett tracing back through Austria to Italy) than the English tradition.

The origins of the industrial revolution in Scotland, and even the contribution of iron and steel have been well documented and continue to receive attention.[6]

As a pioneer of iron production in Scotland using coke and reflecting the importance of the enterprise as an industrial endeavour, Carron both recorded its own history and evolution,

and prompted others to do so.[7] These have focused on the founding of the firm and its development as a major industry, but most accounts and authors touch only lightly on the subject of architectural iron work, often being inaccurately defined as the 'light castings' industry. This has perhaps been a problem of the architectural iron founding industry in Scotland. A major industry perhaps, but part of a much larger engineering sector of such scale that it has had a tendency to pass un-noticed.

Historical accounts of Carron, Shotts and the Mushet family firms are key sources of information of course, but act as starting points for further research only.[8]

This thesis considers that the foundation of the architectural iron founding industry in Scotland had three underlying elements. These are: the establishment of Carron in 1759, the discovery of blackband ironstone by David Mushet in 1802,[9] and the development of the hot blast by James Beaumont Neilson and his successors in 1828.[10]

The work of Mushet and Neilson was understood to have been technologically important, documented by Smiles[11] and others as feats of engineering and drivers of economic progress. Carron is considered to be a giant due to its sheer scale and early aspirations, and largely because of its role in ordnance and the longevity of the firm being remarkable.

Mushet identified the material (usefully ideally suited to architectural work) and Neilson the means to use it (and confer a cost advantage to the Scottish iron masters) but Carron brought the skills from Coalbrookdale.[12] Interestingly, despite being well

documented, Coalbrookdale and Ironbridge's architectural work and broader influence are not well understood and have not been the subject of study.

The 'Iron Mills at Cramond' is an important work in its own right, documenting an early wrought iron slit mill, but it first identifies the connection between Thomas Edington and Carron, providing a detailed account of his contribution and subsequent departure to the West of Scotland.[13]

At this point there is a gap in the historical account where the documentation of the industry in Scotland largely stops. There is a gap from the Carron and Cramond connection to the establishment of Phoenix Foundry, the first architectural firm of note in Glasgow. This connection is of critical importance but has been made through archival research around the Edington family and the early Glasgow firms rather than by any other secondary source.

The Edington connection provides a key link that is to echo in subsequent research, yet rarely documented, which is that of people. Burgeoning industry, increased demand and opportunities creates exponential growth, and by the 1850s the key individuals involved and those driving the architectural industry are less than 10 in number. People join firms, leave to set up on their own, go bust, start again and migrate across the central belt in doing so. Primary research into individual firms has thrown up key names and has prompted an understanding that the Saracen Foundry of Walter Macfarlane & Co[14] acted as the 'mother ship' for nurturing individuals who would eventually leave and create other major players like the Lion[15] and Sun Foundries.[16]

Yet there has been no perspective on this evolution, and actually very little on the industry at all. Not until the work of Moss and Hume[17] in the mid-1970s was any hint provided regarding the scale and importance of this industry, but it was largely lost amongst the fervour to wipe away all remnants of Scotland's industrial past. The work of Moss and Hume is now regarded as of critical importance, but at the time that importance was less well appreciated.

It is interesting that a degree of curiosity in the architectural work of Scottish firms has been prompted from overseas. The work of Australian Graeme E Robertson,[18] and later with his daughter Joan, is remarkable. As early as 1960, Robertson was observing cast ironwork as a strong Australian tradition worthy of research and documenting work in Sydney, Adelaide and Melbourne.[19] As his work progressed, the contribution of the Scottish firms in particular became increasingly apparent, as was the importance of cast iron as a decorative architectural medium internationally. This led to his 1977 publication; *Cast Iron Decoration - A World Survey*, the first published documentation to consider the importance of cast iron in this context, and which remains the most important work on the subject. Much of the information on Scottish work is now out of date and does not focus attention on the correct firms, although both Sun and Saracen Foundry are correctly recognised as key firms, as is the contribution of Charles D Young,[20] largely unrecognised by anyone since.

He noted the contribution of Robert and James Adam publishing *Works in Architecture* in 1773 driving the use of cast iron in a decorative context,[21] with examples in the book. He also made the

connection with brother John as a partner in Carron and considered the influence this must have had.

Cast iron, as a structural medium in an engineering context, is prolifically covered on the technical front in terms of performance in use and characteristics. It also features heavily from a historic engineering perspective as part of the evolution of iron and steel in structural use. Works in this field have usefully touched on architectural works, notably Gloag and Bridgewater's *A History of Cast Iron in Architecture*, an important 1948 volume which makes the connection between the early cast iron fire backs, structural, decorative, and at the time, modern uses of the material in building façades and street utilities.[22] This volume is especially important since it has obviously been written following discussion with firms still active in the field and has an acute sense of history and the future direction of the industry. Similarly Sheppard's 1945 *Cast Iron in Building* attempts to be forward looking but is perhaps more realistic regarding the future prospects of the sector.[23]

Specific uses of iron in certain areas, notably buildings, are better represented in the literature than accounts of decorative use. The work of Bogardus and his American contemporaries is well documented,[24] and widely proclaimed as the inventor of cast iron architecture (a claim countered in this thesis). Gayle, in particular, makes a good effort in providing both a historical account and attempting to understand the significance of Bogardus and his work.[25] Unfortunately this tends to be very US focused and relates little to Europe or Britain, although Coalbrookdale is always treated with great reverence in such publications. The use of iron in the construction of glasshouses is considered retrospectively in major works by Hix[26] and Gloag[27] but lacks depth and perpetuates

previous assertions on the origins of the use of iron. The work of J C Loudon[28] is highly important of course, but this thesis proposes that a small iron glasshouse in Dalkeith might now be considered the earliest iron glasshouse.

The Crystal Palace correctly accords much attention but few works have considered the constructional methodology in great detail and the background of Fox Henderson, the manufacturers. Use of iron as a pre-fabrication medium has been explored in the context of iron framed buildings using corrugated wrought iron, with the Scottish contribution well accounted for in the work of Herbert.[29] More recently Professor Miles Lewis of the University of Melbourne has published extensively on the use of iron as a constructional medium. Scottish firms such as Robertson and Lister and A & J Main are covered leading to some important siting of their works in Australia.[30] The source of the cast iron house at Geelong, covered by Lewis and most other others writing about iron as a constructional medium, has been a subject of debate for some 25 years and is hopefully now resolved in this thesis.

Accounts of industry are extremely helpful in relation to Glasgow, notably Stratten and Stratten's 1891 account[31] and most especially Maclean's study of the industries of the West Coast of Scotland (1901)[32] and Bremner's *Industries of Scotland*[33] which provided accurate and helpful details on firms and contracts.

Biographical accounts are the baselines for key players in industry, with several of note published in Glasgow.[34]

It is not until 1991 that the first substantive account of Walter Macfarlane & Co is published by Iain Cox,[35] followed by the first

book on the firm in 1994, remarkably published in Brazil *as 'The Dream and Technique – Cast Iron Architecture in Brazil'*. Costa's work[36] is remarkable given that most of it was written remotely with primary research by third parties in the UK, but it is valuable in two ways. It reproduces important archive information held by Ironbridge Museum Archives and subsequently lost,[37] and it gives a detailed account of the work of the firm in Brazil, providing for the first time perhaps a sense of the high regard in which the key firms were held overseas. The fact that a book was published about a Scottish firm in Brazil says much about how Scotland has valued its industrial heritage.

Through its research and technical manuals, The Glasgow West Conservation Trust recognised the importance of the ironwork tradition and what remained in Glasgow, capturing some of the history and work of Glasgow firms in 2000. An important archive was created by the Trust in surveying the ironwork of Glasgow's West End.[38]

The establishment of The Scottish Ironwork Foundation in 2002 has led to an increased awareness of the industry in Scotland through its website and in its publication of the *Photographic Examples Book* by Walter Macfarlane & Co in 2005.[39] A historical account of the firm by Historic Scotland, with a reprint of the 6th Edition of the catalogue in 2009, gives a more detailed account.[40] The 2008 publication on architectural iron work in Stornoway by Davey and Mitchell[41] is the first volume to give brief biographies of the key firms.

In consideration of the industry in Scotland, it has become apparent that whilst the broader iron industry in Scotland has been

considered and there is an understanding of the technological basis of development in Scotland, there is no account of the thread and path of the evolution of the architectural industry as a distinct entity.

Whilst specific individuals and firms have achieved a degree of notoriety, how do they sit in relation to each other and do they deserve the reputation they seem to have acquired – particularly that of the Saracen Foundry?

Whilst previous work has made no reference to the evolutionary inter–relationships between firms and individuals, it would seem likely that such a small country, of which the industry is primarily located in the Central belt, must have been a degree of interaction. Competition must surely have been a significant factor – iron founders to this day remain notoriously secretive about processes and contracts – does this have early origins?

Scottish firms have not received due credit where especially innovative in approach, except perhaps the marketing prowess of Saracen. Therefore is it not feasible that such an extensive industry bursting into life when iron was the first building material used for hundreds of years, could have prompted some firsts?

Since the manufactures of firms in Scotland has largely not been considered comparatively, the work of The Scottish Ironwork Foundation in documenting iron work made or found in Scotland is a helpful tool in gauging the relative outputs of specific firms. The almost complete absence of any production records (with the exception of the Lion Foundry)[42] suggests that a study of work by individual firms known to have existed or still extant will be useful.

The process of identification of prominent firms requires historical accounts of their origins, development and demise with consideration given to their range of work and relative contribution from a design, technology or commercial perspective. The lack of primary sources for these firms makes this challenging, but the discovery of two key archive sources, the entire business record of the Lion Foundry in a museum store in Kirkintilloch, and the family history of Thomas Russell of Saracen Foundry, generously shared by his descendants,[43] have provided unique perspectives on both.

The key research questions arising are therefore;

- What was the process of evolution of the architectural iron founding industry in Scotland and how did it come about?
- Who were the key players – individuals and firms?
- What was the contribution of the early ironfounding industry in Scotland?

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Chapter Two

Technology and Development of Iron for Architectural Purposes in Scotland

This chapter covers the technical and developmental context for the specialist architectural iron founding firms in and around Glasgow. It is important of course to understand the materials employed in the manufacture of architectural ironwork, and the process of taking iron ore to useful products as cast, wrought iron and steel are first described, with the specific process of making architectural cast iron illustrated. Processes of course varied, and firms were fiercely protective of differing moulding and casting techniques.

The origins of iron production in Scotland and its use as an architectural medium are followed through to the establishment of Carron, a pivotal point in the development of the industry in Scotland.

2.1 Processes and Materials

Iron smelting produces pig iron which can be used to make casting straight from the furnace, or which can be re-melted in an air (reverberatory) furnace or in a cupola furnace (or more recently in an oil-fired or electric furnace).

In making wrought iron from pig the iron is re-melted in a puddling furnace and stirred to expose it to the air. This reduces the carbon

content to the point where more or less pure iron crystallises out of the liquid. In Cort's original process the furnace had a sand bed, and much of the iron was lost by combination with the silica sand. In so-called 'wet puddling' the bed of the furnace was made with puddling slag (mainly iron oxide). The carbon in the pig iron combined with the oxygen in the slag to produce bubbles of carbon monoxide gas, giving the appearance of boiling, hence the term. Masses of spongy crystalline iron, with slag in their spongy interstices, were removed from the furnaces and hammered (shingled) expelling most of the liquid slag. The subsequent rolling of the shingled ball removed more slag, and later reheating and re-rolling created the wrought iron (malleable iron in Scotland) of commerce. The working of the iron and slag content created a fibrous muscle–type arrangement which gave the wrought iron excellent tensile properties.

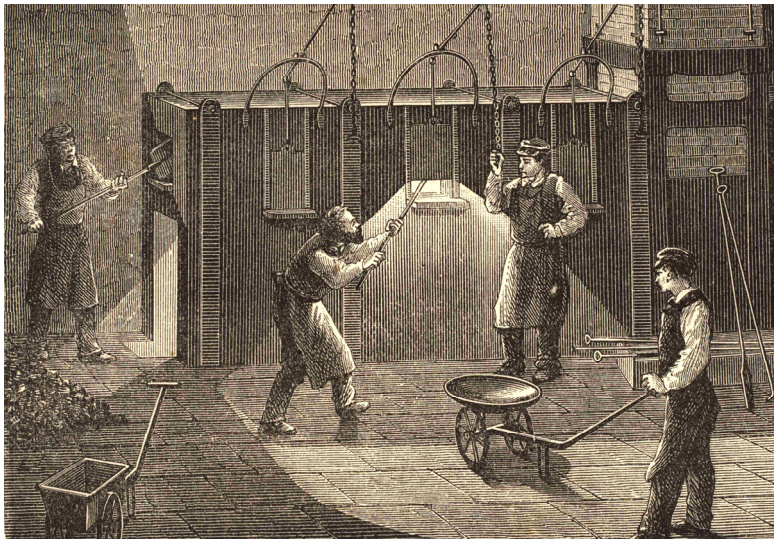


Fig.1: Puddling Furnace with Iron about to be Removed for Shingling[1]
(Image courtesy of Le Fer - La Fonte et L'Acier, by C Delon)

The wrought iron would be rolled to create plate or bar via a rolling mill.

Wrought iron was quality graded from general merchant bar to best, double best and treble best. This reflected the quality of the material and how much it had been worked. Wrought irons can often have good corrosion resistant properties, which appears to be prompted by a number or factors including the phosphor content of the cast iron (this leads to the formation of a protective oxide layer), or the mill scale produced in rolling – again an oxide layer.

Pig iron can also be re-melted in a smaller cupola furnace, with the addition of other chemicals to provide specific casting characteristics. For example – high phosphorus cast irons make very fluid molten irons – good for sharp detail – but too much phosphorus can make them brittle. High graphite content helps provide a good surface finish.[2] The molten cast iron is poured into a ceramic crucible ready for casting.

Patterns

The pattern is the form the casting will make. They were made from plaster or lead but usually timber for the 'master pattern.' A cast iron working pattern would be made from the original master pattern which would be carefully stored.



Fig.2: Half Pattern for a Railing Husk in Moulding Box (Beaverbank Foundry)



Fig.3: Half Pattern for a Replica Saracen Drinking Fountain Canopy No 20 for Dun Laoghaire, Ireland (Courtesy of Heritage Engineering – Beaverbank Foundry)

Anything cast or 'lifted' from a pattern or subsequent casting will lose mass due to shrinkage. In foundry terms this equates to around 1/8" over a foot. A 'master' pattern must allow for double shrinkage and therefore have additional mass built in. The pattern must also taper so that the pattern can be removed from the sand without damaging the mould. The design and manufacture of patterns for architectural work can be highly intricate and allow for differential cooling of castings and subsequent distortions, and also the complexities of removing patterns from the sand to permit 'undercut' areas to be cast.

Moulds

Traditional architectural work was and is often done in green sand. It was called green because of its relatively raw state. Good casting sand would have a mix of kaolin (clay) which when activated with water makes the grains sticky. Coal dust was often added to the mix to aid the ventilation process. When the molten iron ignites the coal dust, it burns through the sand layer to the surface, drawing off combustion gases which might otherwise affect the surface finish of the metal or worse create porosity in the casting itself. Facing sands and plumbago may be used in the pattern–facing area to give best surface finish. Dry sand moulds, pioneered by Abraham Darby at Coalbrookdale in 1707, allowed for thin walled castings to be made, an advance on clay loam used before.

The moulding box which holds the sand in place is a metal box in two halves which join together, as most architectural castings are made in two halves, evident by the joint lines visible on the sides

of castings. Cores are used in moulds to produce internal cavities and re-entrant angles, and are usually disposable.

Casting

A ‘half’ pattern on a back board which fits within a moulding box or sometimes a ‘loose pattern’ would be placed on the floor face up. The sand would be built up against the face of the pattern, facing sands first. Subsequent sand would be added and rammed to compress the sand against the pattern.



Fig.4: Ramming a Moulding Box
(From D Mitchell collection)

Once a suitable depth was achieved the box would be vented using a wire to aid gas escape and a gate or gates would be cut from a

vertical riser from the sand surface to the void left by the pattern into which the molten metal is poured.

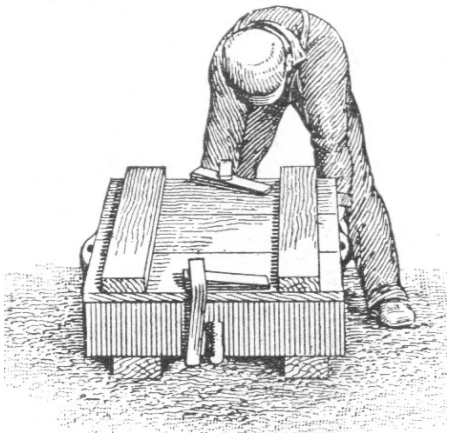


Fig.5: Turning Over Box
(From D Mitchell collection)

Once moulded the top box (the cope) would be lifted over, the pattern carefully removed and the process repeated with the lower box (drag). Any mis–alignment in the cope and drag would result in a casting which had a highly visible joint line or in some instances a scrap casting. The molten metal is carried from the cupola by hand, bogie or crane and poured into the riser(s).



Fig.6: Casting from a Ladle
(From D Mitchell collection)

The sand is re-used, with some loss against the molten metal. The mould may only be used once.

Once cooled sufficiently, the casting is removed and allowed to fully cool before gates and risers are detached and the casting cleaned up. Gates and risers were often removed whilst the casting was still hot to make it easier.

Wrought iron structures and objects are formed and assembled using a variety of techniques. Shaping, twisting and bending are undertaken by the smith at the forge, with fine repousee work being used to form elements like leaves, hammering fine sheet over formers beneath. Wrought iron pieces can be physically joined by forge welding in the fire. Mechanical fixings using pins, screws and bolts are also employed.

Castings cannot be re-worked like wrought iron, and joints and fixing details have to be physical fitments or secured by pinning or screwed or bolted details. Mating faces of castings and sometimes wrought iron elements used red lead paste as a jointing medium. Porosity in castings would often be filled up using beeswax and cast iron dust to affect a cosmetic repair. This was generally fine for non-load bearing ornamental work, but not so good for structural items. Invented by Boulton and Watt's William Murdoch, cast iron cement (sal ammoniac and iron filings) was used to provide a degree of structural strength in flanged joints in particular.

Wrought iron fixings were commonly used for joining castings, and the standard technique for fixing to masonry used hot staved lead – hot lead poured into a socket around a cast element then tamped

in on cooling and contraction of the lead. Columns and balusters usually had a pre–formed lug for this purpose.

The compressive strength of cast iron and the tensile strength of wrought iron made an ideal combination which is most patently evident in structural application with cast columns and wrought iron beams or glazing bars.

Steel starts to be used by the Scottish architectural firms for structural elements in projects but later than the large firms building bridges etc. The Bessemer process patented in 1855, mass produced steel by removing impurities by oxidation with air being blown through the molten iron, with other chemicals added or introduced to the furnace lining to alter the steel characteristics. The open hearth Siemens Martin process (1865) largely replaced the Bessemer process.[3]

Terminology

Iron founders in particular tend to follow an engineering tradition of naming the foundry or works differently from the company name. The Sun or Saracen Foundries were distinct from George Smith or Walter Macfarlane and Co. Commercially these names were interchangeable, with either name appearing on the castings or structures.

2.2 Ornamental Ironwork

Decorative ironwork was largely undertaken in wrought iron until the latter half of the 18th century when cast iron became increasingly used due to technological advances and the demand

for mass production. The evolution of architectural cast ironwork in the 19th century has its stylistic roots firmly embedded in earlier wrought iron forms, and the significant wrought iron work by smiths such as Jean Tijou in the 17th century had a lasting influence into the 20th century. It is therefore appropriate to consider the evolution of such ironwork in Britain, and Scotland in particular.

Early Applications of Architectural Ironwork

Early uses of iron in Britain for an architectural context included door hinges and straps in the 12th century such as those at St Albans Abbey.[4] This work was undertaken in charcoal wrought iron. Grilles around important English tombs were increasingly protected by wrought iron grilles in the 14th and 15th centuries.

Hinges, strap work, bolts, studs and locks were early uses of iron in an architectural context, and through the 14th and 15th centuries iron was increasingly used as an integral part of the timber door construction, where its benefits in security became increasingly in demand. This logically developed into door and window grilles or yetts entirely constructed of iron forming another layer of security behind a timber door, or as external security, such as those found on the 1540 Palace at Stirling Castle (Figure 7).

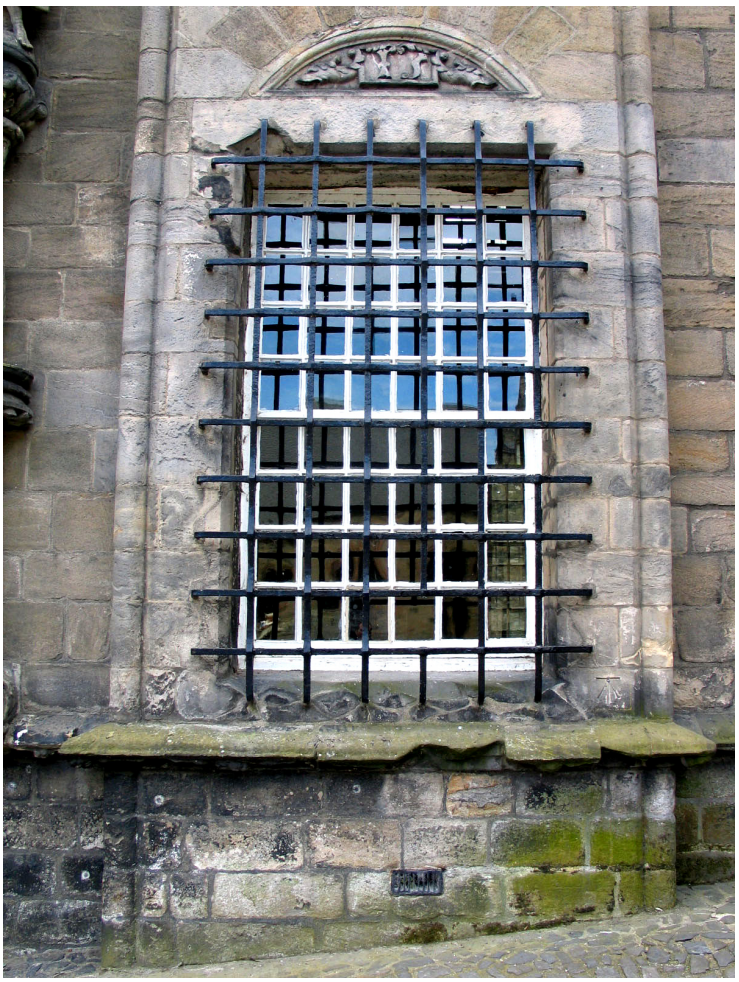


Fig.7: Wrought Iron Grille to Stirling Castle Palace, 1540 (Photograph by D Mitchell 2004)

Maxwell Irving identifies 1377 as the earliest reference to an iron yett in Scotland at Edinburgh Castle, when a reference is made in the Exchequer Rolls[5] to iron purchased for the fabricated iron gate.[6] Research undertaken by Christison[7] and by Maxwell Irving identifies the interlaced form of yett construction largely peculiar to Scotland, with some suggestion of influence from Venice and the Tyrol through trade.

Christison suggests that the survival of this ironwork form is largely due to its ongoing functionality. There are around 40 such examples extant in Scotland.[8]

The design and execution of the yett was of high artisan quality. The aim of achieving a secure structure was achieved by manufacturing two independently intersected 'L' shapes which are brought together in such a manner that they cannot be taken apart once installed to the masonry (Figure 8).



Fig.8: Dunrobin Castle Yett
(From Christison D, Proceedings of the Society of Antiquaries, 23 April 1888)

Door furniture became increasingly decorative in the 16th century (Figure 9).



Fig.9: Decorative Door Hinge in Wrought Iron (Image courtesy of SCRAN)

Lister[9] describes the ironwork of the late 16th and early 17th centuries as a 'transitional period' where the worked and decorative aesthetic was replaced by the application of carpentry principles to ironwork, perhaps as a result of the way in which the mediums were mixed in the construction of doors and gates.

Stylistic developments advanced in the 17th century, leading to the design of features such as the gate overthrow, which was prompted when the decorative cresting to the gate panel itself became too cumbersome due to its increasingly complex design. It was not until the late 17th century that decorative ironwork on a grander scale was to be executed in Scotland. One of the earliest such examples is the entrance stair to Drumlanrig Castle executed by blacksmiths William Baine and William Gairdner in 1684.[10] (Figure 10).



Fig.10: Drumlanrig Castle - Wrought Iron 1684
(Image courtesy of SCRAN)

The main internal staircase of Newhailes (1685-6) by James Smith is stylistically similar to the fine scrolled work found at Drumlanrig, both with a distinctly French influence. The forged scrolls are particularly elongated and fine, in a style that was to be revived by Lorimer and his blacksmith Thomas Hadden into the 20th century during the Arts and Crafts revival in wrought ironwork.

J Starkie Gardner, in a lecture given at Edinburgh College of Art notes;

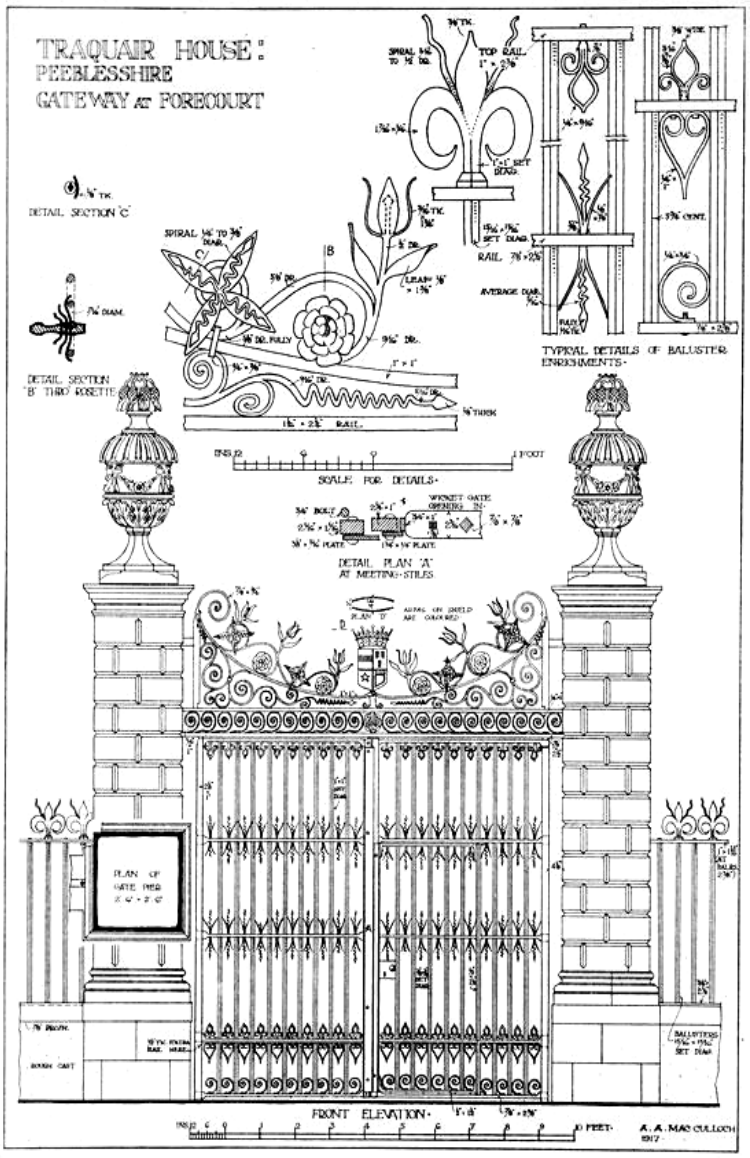
'The gardens of many of the Scottish nobility were at the time expensively laid out in the prevailing Anglo French manner. The change of dynasty (William and Mary), welcomed in England was well represented in England, where the Episcopal Church was established and powerful, was not so in Scotland, and consequently Dutch innovations hardly penetrated.'[11]

Decorative natural forms became increasingly used (as noted above), and also referenced in the staircase balustrade at Caroline Park, Midlothian, from around 1695.



Fig.11: Caroline Park, Granton, 1695
(Image courtesy of SCRAN)

The ironwork installed to the forecourt at Traquair House in 1698 show gates and railings with wrought-iron flowers and the arms of the Stewarts of Traquair. Like Drumlanrig, the design of the ironwork has been attributed to James Smith (Strang A, 1994).[12] The intention is to make a grand statement as visitors to the house pass through the entrance gates by carriage.



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Fig. 12: Traquair Entrance Gates, 1698
(Recorded by BS Murphy)

Both Gardner and Murphy[13] recognised the Flemish influence in the execution, principally the tulips and roses atop the gate panels. The mortice and tenon joints more usually found in carpentry were a peculiarly Flemish influence which was thereafter perpetuated into the Scottish tradition.

Murphy observes in comparison of the English and Scots traditions;

'A comparison with contemporary specimens of work produced in England shows the two countries to have no great similarity of style and treatment; but the Scottish work has a certain vigour of strength, and is usually perfectly harmonious with its architectural setting.'[14]

The close of the 17th century saw the arrival of Jean Tijou in England. Tijou was a blacksmith, who more than any other before or since, set the standard with his work at Hampton Court Palace for ornamental smith work. He continued to use the carpentry techniques used previously to construct structural frames, but overlain on this was highly decorative repousée work in charcoal iron which was to influence ornamental ironwork for generations thereafter.

French influences from the Court of Louis XIV from smiths Brisville and Daniel Marot[15] were significantly important as exemplars of style and craftsmanship. Marot had the patronage of William of Orange and works to Dutch Royal projects, and Tijou followed in his footsteps. As Lister notes, the advent of William and Mary transformed British ironwork with their patronage, a transition from the functional to the highly decorative and artistic.[16] The structural work remained the basic substrate of such work, but the highly skilled repousée work overlaid this to create highly ornamental pieces.

As William and Mary arrived in England, it seems likely that Tijou also arrived in 1689. The first recorded presence of Tijou was his work at Hampton Court which included gates, balustrades and the screens which are considered to be perhaps some of the most important decorative ironwork in Britain. The material is charcoal

wrought iron, and the repousée style employed is still considered to be an exemplar of the craft.



Fig.13: Hampton Court Detail by Jean Tijou, 1690 (Victoria & Albert Museum, D S Mitchell 2008)

The work of Tijou pushes the material to its limits. The workable nature of the wrought iron, and the charcoal wrought iron sheet used for the repousée work provided such ironworkers with the potential to truly work in three dimensions. The work of Tijou was to influence smiths and iron founders for over 200 years. J Starkie Gardner used the Hampton Court screens as his reference and inspiration in his 1918 memorial to King George at Holyrood in cast iron, wrought iron and mild steel.[17]

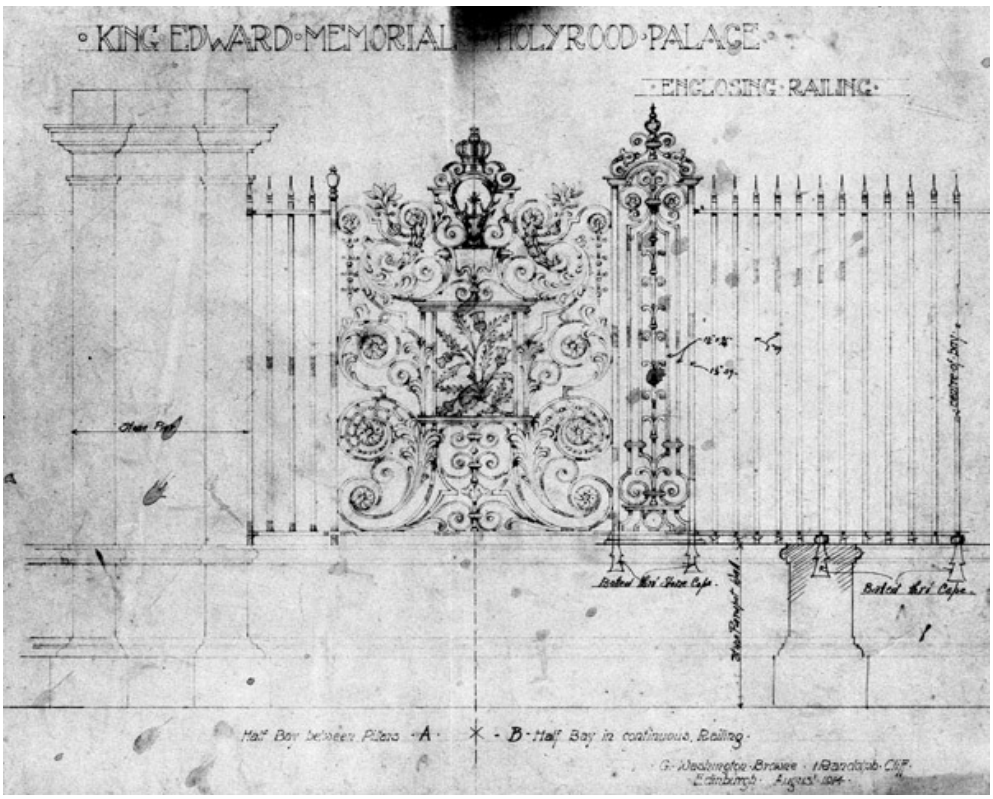
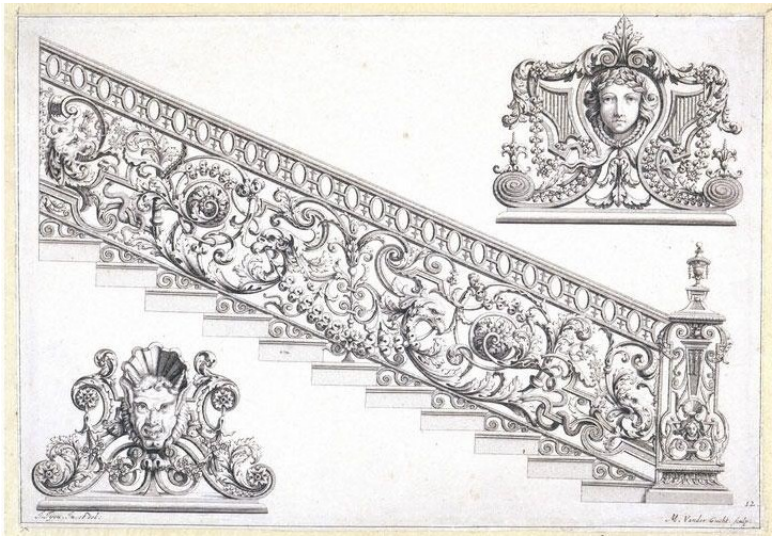


Fig.14: Holyrood Palace Ironwork by J Starkie Gardner Replicating Hampton Court Palace Ironwork by Jean Tijou in 1690 (Image courtesy of National Museum of Scotland)

Tijou's *A New Booke of Drawings*[18] was published in 1693, and is the first known ironwork catalogue in Britain (Figure 15). The eloquence and highly illustrative quality of the book is a marker for the ironwork catalogues to follow, predominantly by the Scottish iron founders.

The work of Tijou at St Paul's Cathedral, under the control of Christopher Wren, exhibits a much less florid approach. Undertaken in 1696, the Sanctuary screen does not display Tijou's repousée trademark, but focuses on scrollwork and harmony with the architecture of the building. Whilst Tijou left England in 1712, his influence in stimulating an ironworking tradition in wrought iron was considerable.





Figs.15&16: Extracts from
***A New Booke of Drawings* by Jean Tijou 1693**

Into the first decades of the 18th century, cast iron started to be increasingly used in component form within wrought iron assemblies, and its use as a stand-alone medium in railings becomes increasingly important.

The entrance gates and piers by the brothers Roberts[19] erected at Chirk Castle near Llangollen in 1719 utilise cast iron in the gate pier bases and pediments (Figure 17).

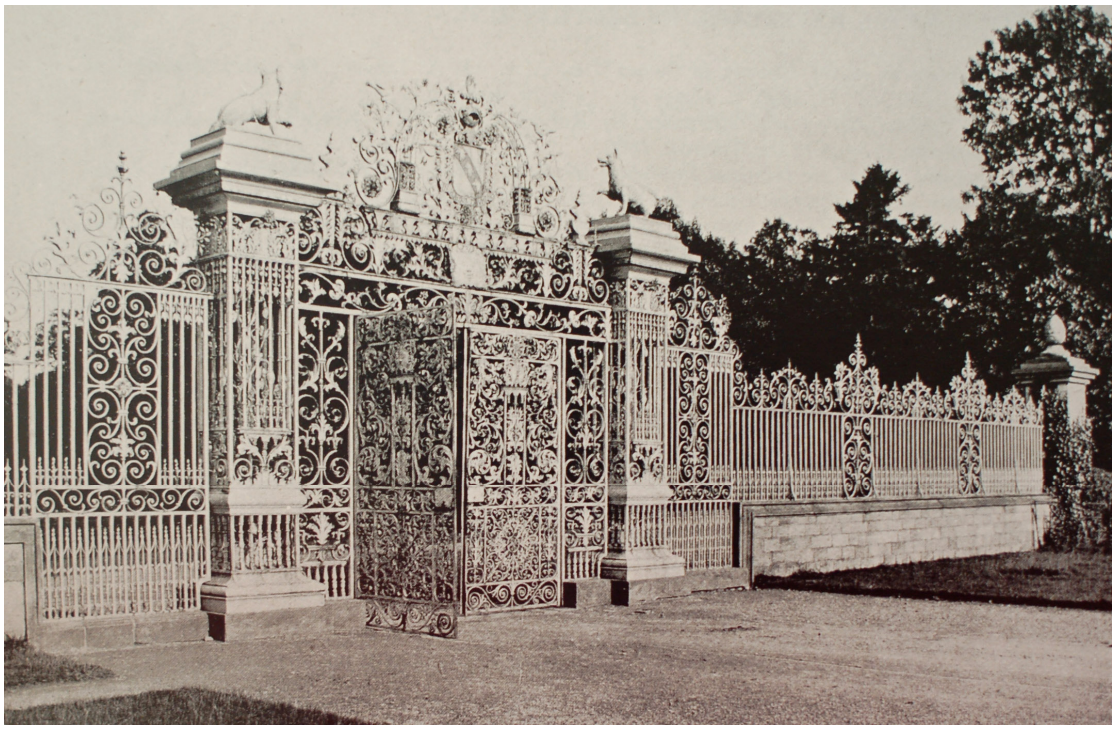


Fig.17: Chirk Castle near Llangollen
Cast Iron used in Pediments and Pier Bases
(Image reproduced from *A History of Cast Iron in Architecture* by Gloag and Bridgewater)

Lister suggests that the arrival of Tijou and the influence on the indigenous smiths thereafter created the 'golden age' of such ornamental wrought ironwork, being 1690 to 1750. A shift away from such highly decorative work was prompted by the influence of the naturalist landscape designers such as Capability Brown and

William Kent, who removed Tijou's work at Wimpole Park in Cambridgeshire. The demand for smith-led large scale ironwork declined as the role of the architect and designer became more prominent.

The Introduction of Cast Iron as a Decorative Medium

The earliest use of cast iron in a significant context is generally considered to be the installation of cast iron railings around St Paul's Cathedral in 1714. Cast at Lamberhurst in Kent, the castings amounted to 200 tons in total.[20] Sir Christopher Wren disapproved of the use of cast iron bound to his building.



Fig.18: Ironwork at St Paul's Cathedral, 1714
(Photograph by D Mitchell 2006)

Unlike Wren, Lethaby approved of the material:

'I do not see how the railings could have been better, they are heavy and rather blunt as befits the situation and the material of which they are made.'[21]

Whilst some of these railings were removed and sold at auction in 1876, it is testament to both the design and the material that the ironwork which is extant from the original installation is still in excellent condition.

As Lethaby suggests, the design and execution of the ironwork at St Paul's reflects an advanced understanding and appreciation of the material. The construction is massive, perhaps too much so, but the ironwork is assembled and jointed like carpentry; the joints are tight and neat throughout.



Fig.19: St Paul's Railing, Jointing Details (Photograph by D Mitchell 2006)

James Gibbs used cast iron railings of a similar design for the Senate House in Cambridge around 1722, but unlike St Paul's he utilised wrought iron bars inserted between the railings.[22]

Isaac Ware's architectural treatise *A Complete Body of Architecture* published in 1756, contains several plates illustrating ironwork in the form of gates and railings. Ware makes comment on the architectural use of cast iron in a decorative context:

'Cast iron is very serviceable to the builder and a vast expense is saved in many cases by using it; in rails and balusters it makes a rich and massy appearance when it has cost very little and when wrought iron, much less substantial, would cost a vast sum.'[23]

The comparatively low production costs of cast iron compared to the labour intensive costs of wrought iron manufacture are pivotal to the rise of the material in a decorative function.

Early castings which were relatively plain and easier to mould and cast, were replaced by increasingly ornamental and stylised designs. This was because the potential of cast iron was realised at Coalbrookdale and then at Carron, through increasingly fine design and pattern work. This would also have required a development in pattern–making and moulding skills. This is exemplified by the work of the Haworth Brothers at Carron, brought to Scotland by the Adam brothers from London (Figure 20).

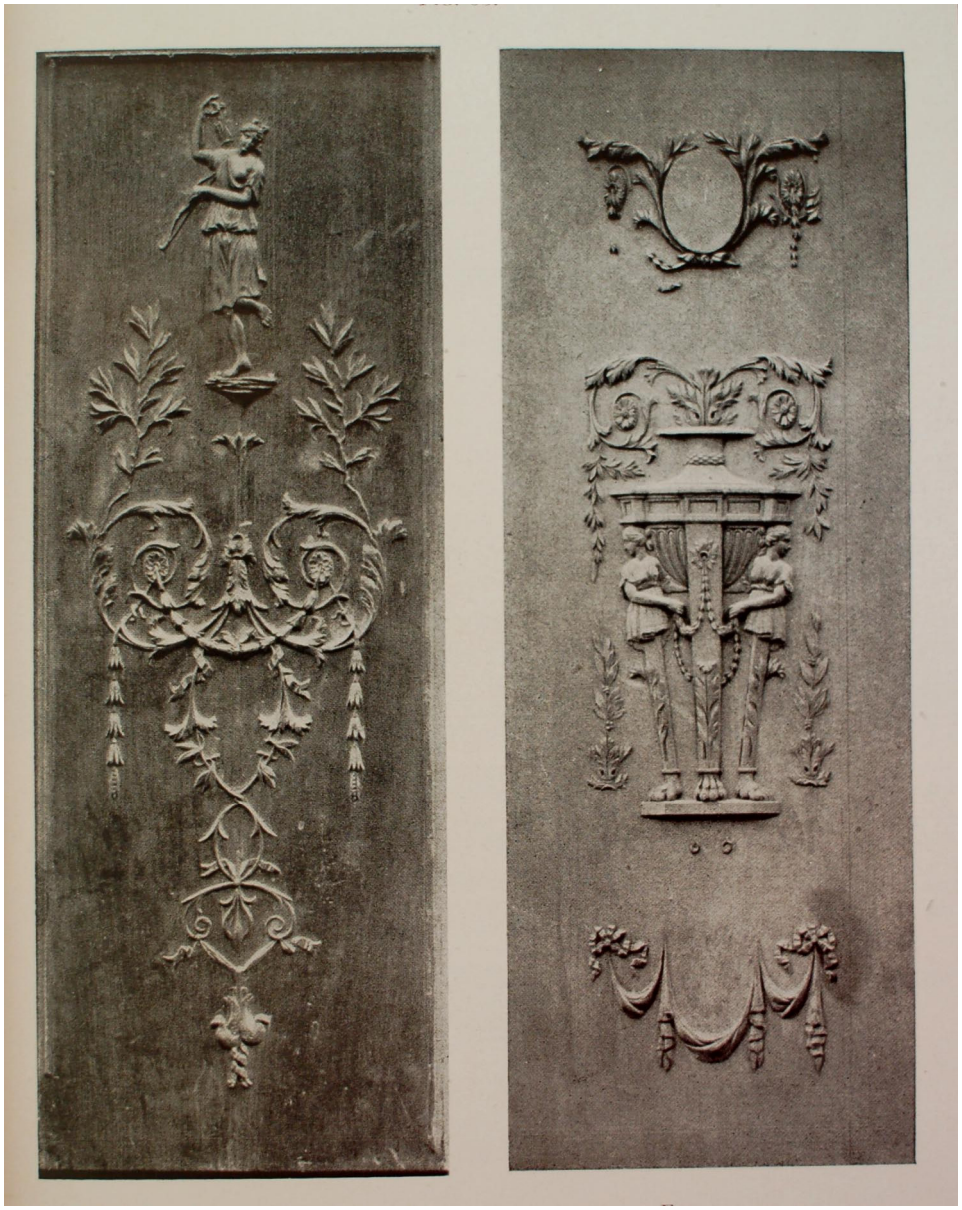


Fig.20: Castings from Patterns by the Haworth Brothers, Late 18th century
(Image from Carron Co Archive, NAS)

The rise of the Adam brothers and those of the Carron company and the Scottish iron founding trade were inextricably linked. Early ironwork by the Adams uses wrought iron, often in conjunction with other metals such as copper and brass, but the influence of cast iron gradually appears in their work towards the end of the 18th century. Details such as decorative cast iron finials, usually to classical motifs were introduced, used in conjunction with wrought

iron railings. Such a Scottish example is illustrated around the tomb of James Bruce in Larbert Old Church, erected in around 1786.

The obelisk itself is an early Scottish example of the potential of cast iron as a decorative medium, used to manufacture a striking feature. The monument has been relocated from its original location adjacent to the graveyard where it sat on a masonry plinth where the family remains lie, and is now found in the Church car park, a less than dignified location for such an important monument. Remnants of the original railing enclosing the burial site survive, delicately forged in wrought iron, now badly corroding and delaminating, intersected by a more substantial wrought iron newel post topped with a decorative cast iron urn.



Figs.21&22: James Bruce Monument, Larbert Old Kirk
Executed by Carron Co around 1780
(Photograph by D Mitchell 2005)

This is an excellent illustration of the transition period between wrought and cast iron, where the Adam brothers started to use the mass production benefits of cast iron in the finial detail, whilst retaining the delicacy and craftsmanship in the forged bars and cope rails.

1764 saw the first supply of architectural goods from Carron, and perhaps the first ornamental cast ironwork of any scale manufactured and supplied in Scotland. Cast iron railings were provided to the College of Glasgow in June of that year. However, the bulk of the output was cast water iron pipes, domestic ironwork and ordnance.[24]

Carron was to become famous for its domestic castings, with stoves and grates a speciality. The company employed the Adam family as designers who put their stamp on the products, and graduated to other works, including ornamental work. The Haworth family of woodcarvers turned the Adam designs into wooden patterns. The quality of detail and design was evident from the earliest times, and one which Carron Company reflected on with pride some 200 years later.[25]

An early manager wrote to Garbett in Birmingham, seeking figurative pieces to use for patterns:

'The figures we want are of plaster of Paris and from those we have already introduced you will judge of what will be suitable. Light and expensive and graceful attitude and drawing, not too much charged with drapery and ornament.'[26]

The Adam family became inextricably linked with Carron in the early 1770s when they became shareholders, John Adam the most prominent in the affairs of the company. This elegance of design was carried over to railings and other architectural work. The company's development into the early 19th century was often economically precarious, with other blast furnaces in Scotland ceasing production. Carron's major advantage over its competitors was that it produced its own pig iron and directly turned this into

goods at source, and its access to other markets by sea. As the first major foundry in Scotland, it is only natural that Carron provided a training ground for many of those who were to develop the industry in Scotland; these connections shall subsequently be considered.

The execution of the iron bridge at Coalbrookdale by Darby and the Coalbrookdale Company in 1779 was a significant datum in the use of cast iron as a construction medium.



Fig.23: Central Panel at Coalbrookdale, Erected by Coalbrookdale Company, 1779 (Photograph by D Mitchell 2006)

However, the decorative work for which Coalbrookdale was later to become famous is not acutely evident on the iron bridge. The

central panel was cast in an open mould (much porosity is evident in the panel, and generally across the bridge components). The iron bridge at Coalbrookdale is not as important as a decorative statement in terms of architectural ironwork, but as a pivotal statement in the versatility and use of the material.



Fig.24: Detail to Central Panel, Coalbrookdale, Ironbridge (Photograph by D Mitchell 2006)

The parapet railings are very crude in form, cast iron imitations of forged wrought iron uprights, with a rough cope rail and more decorative urns.



Fig.25: Parapet Railings at Coalbrookdale, Ironbridge (Photograph by D Mitchell 2006)

The significant advances in the technology of smelting and working iron were intertwined with the rise of the material for decorative purposes, its potential demonstrated by the Adam brothers and Carron in Scotland. The technological advances and natural resources realised in Scotland in the late 17th and early 18th centuries, were to create strong foundations for the significant architectural iron founding industry which was to follow.

2.3 Contextual Technological and Commercial Development

Technological developments in the iron smelting industry allowed the Scottish industry to flourish in the late 18th and early 19th centuries. Significant discoveries by David Mushet and James

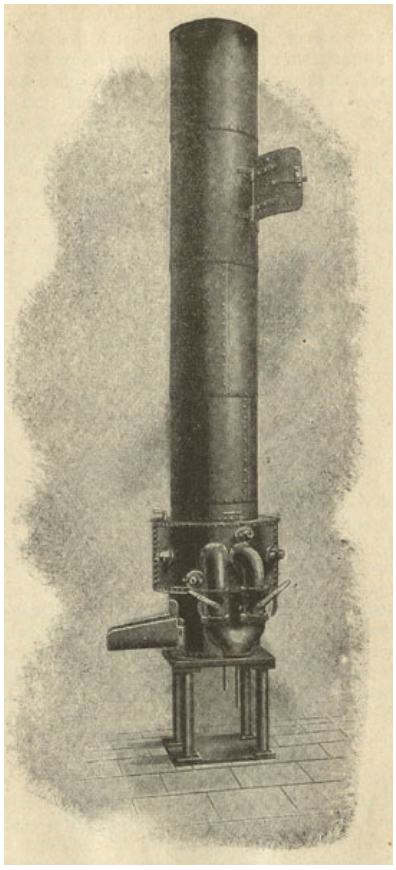
Beaumont Neilson allowed the iron ore deposits of the Central belt to be exploited, and to drive the iron and steel industry in Scotland. In addition, the backdrop of the late industrial revolution and the emergence of a prolific engineering industry in the West Coast of Scotland provided the demand, skills and materials for the light castings industry, and specifically the architectural iron founders.

Technological Innovation and the Exploitation of Natural Resources

The pioneering work of Abraham Darby at Coalbrookdale caused a ripple effect throughout Great Britain in the years following 1709 when he first smelted iron with coke in preference to charcoal.[27] The impact of this discovery was slowly realised over the next 40 years as timber, and therefore charcoal supplies, started to dwindle due to increasing demand for iron production. Smelting with coke became increasingly important. The move to smelting iron ore with coke might also be considered the prime mover for the development of the architectural cast iron industry in Scotland: the establishment of Carron Company in 1760 being the first physical manifestation. Carron was the first to produce iron on a major scale, and the first in Scotland to move from charcoal to pit coal as fuel for smelting, exploiting the carboniferous coal measures of Central Scotland.

Despite the work of Darby and the establishment of Carron in 1760 utilising coke in Scotland for the first time, it was not until Wilkinson developed the cupola furnace in 1794,[28] that the architectural and ornamental industry had the available technology from which it could begin to develop in earnest. The cupola furnace (Figure 26) was a significant technological advancement, since it

meant that the pig iron produced in the blast furnace from iron ore, could be re-melted in any location using coke around the country for the casting of iron goods. This allowed potential separation of the production of iron from the manufacture of castings, and, with the increasing use of coke, moved iron production away from timber supplies, and on an increasingly local scale.



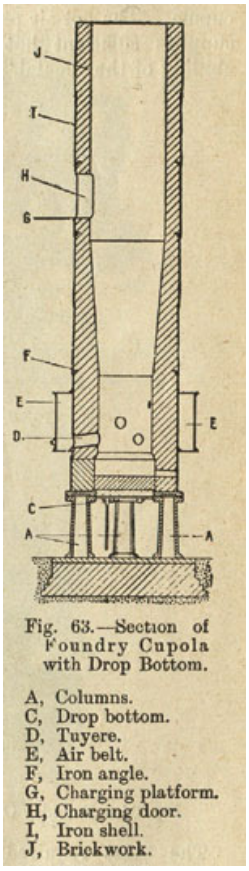


Fig. 63.—Section of Foundry Cupola with Drop Bottom.

A, Columns.
C, Drop bottom.
D, Tuyere.
E, Air belt.
F, Iron angle.
G, Charging platform.
H, Charging door.
I, Iron shell.
J, Brickwork.

Figs.26&27: Foundry Cupola Furnaces
(Earlier Solid Bottom, LHS and Later Drop Bottom, RHS)
'Principles & Practice of Iron and Steel Manufacture'
Walter Macfarlane, 5th Edition, 1917

Early cupolas had solid bottoms, lined in sand which would be cleaned, whereas drop bottom cupolas became more common after 1850 and literally allowed the remnants to be dropped onto the floor. During the production of cast iron from ore, pig iron was formed by layering ore with charcoal (and later coke or coal), with limestone added as a flux to remove impurities, and with the

introduction of air into the furnace. The prolific supplies of limestone to hand at Charlestown some 15 miles away were a factor in the site at Carron being chosen. Blast furnaces could cast objects straight from the first heat of the furnace, or more commonly cast pig iron and scrap cast iron to be re-melted in a cupola furnace for subsequent casting, or to be puddled to make wrought iron as patented by Henry Cort in 1783.[29]

The introduction of the cupola furnace meant that third parties could manufacture castings without the initial expense of ore processing. The pig iron produced from the ore was relatively portable, and was simply re-melted and cast into moulds as required. Carron made significant use of air furnaces (using tuyeres to introduce hot air) for re-melting pig iron.

The subsequent discovery of Blackband Ironstone by Mushet in 1802, the developments of methods to exploit it and the invention of the hot blast by Neilson in 1828 were the next key events to prepare for the Scottish architectural iron founding industry which blossomed from the mid 19th century.

Iron Production in Scotland Prior to Carron Company

Whilst pre-dating the major events discussed above, it is worth noting the earlier experience of iron production in Scotland, since it subsequently influenced the development of the ornamental cast iron industry. The earlier origins of iron production in Scotland lay with the smelting of iron with charcoal from timber as fuel.

In England, the need for fuel had seriously depleted the forests and had led to restrictive measures being imposed.[30] The English

ironmasters had an important impact on the Scottish iron trade on a commercial scale at the start of the 18th century. The relative abundance of timber in Scotland for the manufacture of charcoal, mainly in the Highlands, proved to be a temptation for several English ironmasters.[31]

There were, however, some who had the foresight to develop iron smelting in Scotland. In 1607 Sir George Hay created the first Scottish blast furnace in the area around Loch Maree in Wester Ross. Hay had experience of iron production in Perthshire, and the area had been previously noted for iron production.[32] By 1610 Sir George Hay had secured the gift of the manufacture of iron and glass in Scotland for 31 years. The industry continued to develop in the North of Scotland until the mid 17th century. Analysis of the ore used at Letterewe by Macadam noted its origins as Fife ore.[33]

The threat of deforestation which had impacted in England was vigorously legislated against in 1609 by the Scottish Parliament when it published an 'Act anent the making of Yrne with Wode'. It restrained iron manufacture by threatening the confiscation of any iron produced in the Highlands, since this was the area with suitable forests for producing charcoal.

The importance of the iron production and founding industry in Scotland was apparent to the Scottish Parliament as early as 1686, when they passed an Act to encourage casting in Scotland:

'His Majesty and Estates of Parliament, taking into consideration the great advantage that the nation may have by the trade of Founding, lately brought into the Kingdom by John Meikle, for casting of balls, cannons, and other such useful instruments, do, for encouragement to him, and others in the same trade, statute and

ordain, that the same shall enjoy the benefit and privileges of a manufacture in all points as the other manufactures newly erected are allowed to have by the laws and Acts of Parliament, and that for the space of nineteen years next following the date hereof.'[34]

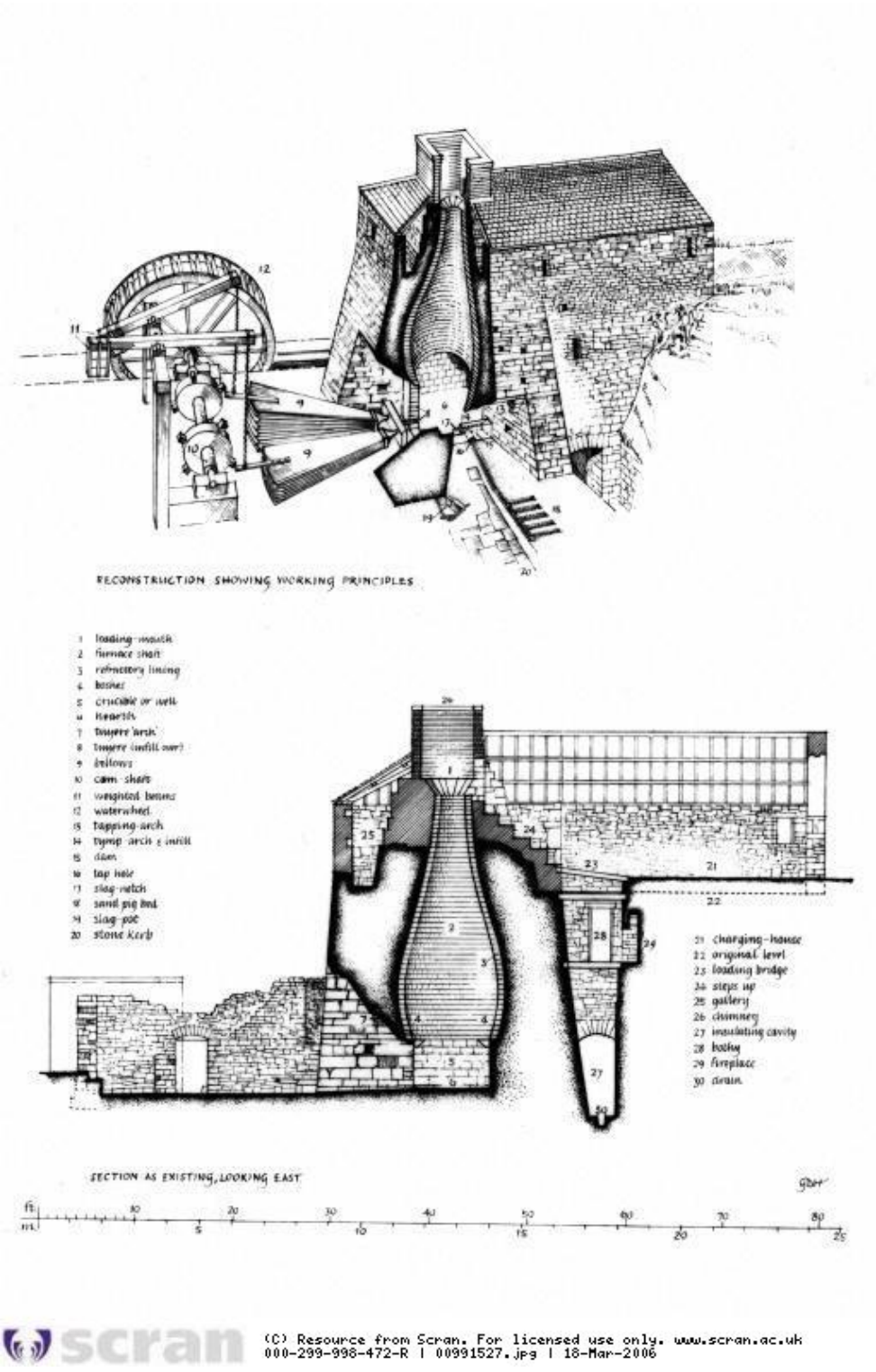
The policy of transporting the ore to a location which could provide a supply of fuel, led to the English Ironmasters looking to the North as fuel supplies became increasingly problematic in the early 18th century. The suppression of the Jacobite uprising in 1715 and the military rule thereafter created a more stable environment with which to pursue such commercial projects. Perhaps the political climate to exploit the natural resources of the Highlands was also ideal. Macadam notes that;

'No scruples were then expressed as to the waste of timber, and the Scottish forests were extensively used for the conversion of English ore.'[35]

The Backbarrow Company founded by William Rawlinson and John Machell in 1711 turned its attention to the North and established a furnace in 1727 at Invergarry - the primary advantage being the prolific supply of timber for smelting.

A 31 year lease was taken on the woodland from Macdonell of Glengarry. It was an ambitious project, and an expensive one, with most of the labour being imported other than general labourers. The furnace was blown for the first time on 25 August 1729, and there then followed 7 hard years for the company trying to maintain supplies and pacifying the locals. Most of the iron and castings were exported, although some beams and lintels were supplied to General Wade by the company. The works were finally abandoned in 1736, producing only 2,450 tons of iron in the first 7 years.

Other ironworks were established at what is now called Furnace on Loch Fyne (1775–1813), and at Abernethy in Strathspey (c.1730-1739). Both were founded by ironmasters from Lancashire, an indication of the potential for available fuel perceived by the English ironmasters.[36] Bonawe Ironworks (1730) operated at Taynuilt under different ownership until as late as 1866, again importing ore and smelting using first peat (unsuccessfully), then locally produced charcoal.[37] Bonawe remained reasonably intact and is illustrated in Figure 28.



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Fig.28: Early Blast Furnace at Bonawe, Argyll (RCAHMS)

2.4 The Founding of Carron Company

Carron Company gained a national and international reputation for its products, principally domestic castings and ordnance. The founding of Carron is considered to be an important economic milestone in the development of Scottish industry.[38] In comparison to the major Glasgow based foundries in the latter half of the 19th century, Carron might not be considered a major producer of architectural ironwork as will later be considered, yet they were the first company in Scotland to produce such work on any scale. In terms of key individuals in the Scottish iron industry, Carron proved to be a training ground for a number of people who were to significantly develop the iron smelting and ornamental industry in Scotland in the early 19th century.

Founded in 1759 by Samuel Garbett, John Roebuck and William Cadell, the foundation of Carron was indicative of the pioneering industrial speculation of the age. Carron was selected for the proximity of iron ore, coal for coking, and water as a motive force and for transport. However, the process of reducing ore using coke was still experimental enough to ensure that a good supply of timber for the production of charcoal was required as a back–up. Charcoal was still required for the puddling furnaces to produce wrought iron from the pig produced at the blast furnace. Garbett and Roebuck pushed for works on a large scale, whilst the more cautious Cadell family sought to build on a smaller scale.[39] Garbett and Roebuck saw the benefits of building and working on a large scale, and perhaps perceived the increased demand which loomed.

Carron was the first step in creating the modern iron industry in Scotland. Unlike the charcoal furnaces in Argyll, Carron was

designed for production on a large scale, and located to take advantage of growing markets. The partners had to create and provide infrastructure, materials and skills to develop their enterprise. Brick, clay, stone and even waterwheel shafts had to be provided from Bristol.[40] There was a complete absence of skills associated with iron smelting, and Carron turned to the Shropshire ironworks, particularly Coalbrookdale to lure the expertise North. Robert Hawkins was the first full time employee of Carron. He was an iron founder from Coalbrookdale employed by Roebuck in 1759 and a relative of the Coalbrookdale Darby's. He was followed by a:

'burner of coal, a turner of patterns and builder of air furnaces, and a foreman at an air furnace.'[41]

The plan from an early stage was to exploit such English expertise to educate and train the future Scottish workforce, yet they appreciated the delicacy of the situation.

In 1759 Garbett wrote to his Scottish partner, Cadell:

'If clever fellows are picked in your country I hope another time we can do without help from England, but at present it will behove us not to make the Englishmen jealous or suspicious that we intend to do without them as soon as we can, for then there will be a cry against us and we shall not be able to get furnace men and forge men.'[42]

While the plans and scale of the Carron works were ambitious from the outset, Roebuck and Garbett clearly realised that by using Coalbrookdale expertise, they could minimise the technical risks to some degree.[43] Cannon balls were the first product of Carron, Garbett believing they were a straightforward item to mould and cast, and one which would be easily sold in the London market-place.[44]

The founding of Carron in 1759 was challenging due to a lack of communications infrastructure and skills. The opening of the Forth and Clyde Canal was completed in 1777, and with the completion of the Monkland Canal in 1794 an effective communications route was realised for the transport of materials and consequently goods. The lead taken by Carron was followed between 1800 to 1803 in the founding of three major ironworks; Calder, Shotts and Markinch. An increase in demand for castings came from both the domestic and industrial markets.

At Carron, Cadell realised the potential of manufacturing goods in addition to pig iron as early as 1767;

'A furnace employed in gun casting, will, if the metal is run with economy into merchantable goods, produce double the profit that can be made by a furnace employed in only pig iron.'[45]

Carron sought to develop a specialism in ordnance, although early experiments were not particularly successful. By the end of the 1760s however, the skills and technology had been developed in time for the boom created by the American war in 1775. The adoption of the carronade by the Royal Navy in 1778 prompted a remarkable period of prosperity in supplying castings for campaigns in Europe and America. At the same time, domestic and agricultural castings (stoves, grates, tools) were manufactured in significant numbers and exported to London, across Europe and to growing markets in the United States.[46]

2.5 David Mushet and the Discovery of Blackband Ironstone

From Dalkeith, David Mushet (Figure 29) and his brothers were involved in the iron trade due to the interest of his father in the craft of iron founding. The Fairfield Foundry supplied goods to Edinburgh, including some ornamental railings for Edinburgh New Town as it developed in the 1770s.[47] Other members of the Mushet family started foundries in Bonnington, Leith and Granton. Granton was the last Mushet foundry to close in 1930.[48]

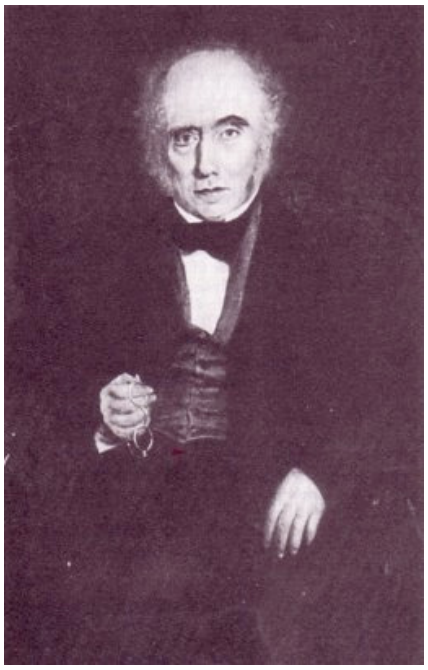


Fig.29: David Mushet (1772–1847)
(Image courtesy of The Scottish Ironwork Foundation)

Interestingly, David Mushet is recorded as visiting Cramond Ironworks where Cadell and Thomas Edington ran a slitting mill and wrought iron manufactory.[49] The Cadell family had bought out the Carron Company interest in Cramond, Edington's Carron connection previously noted. Edington, Cadell and Mushet were further connected since the Dalkeith Foundry purchased pig iron from Clyde Ironworks, and where Mushet secured a job as accountant aged 19, in 1792.

Mushet's *Papers on Iron and Steel* were published collectively in 1840, being the collated correspondence published in the *Philosophical Magazine*. Mushet found himself at Clyde Ironworks as an accountant, yet he was clearly stimulated by this environment, noting;

'Iron and its habitudes were frequently the topics of conservation amongst the young men at that time in the office.'[50]

In his own time, Mushet experimented with a reverberatory furnace, attempting to imitate the workings of the blast furnace. At some point he met one of Wilkinson's principal engineers at Clyde, who exchanged information with him in assaying, yet he was frustrated with a perceived lack of understanding and skill. He eventually gained permission to use the owner's assaying furnace where he experimented further (discovering what was later identified as titanium), until for some reason his reverberatory furnaces…

'at the order of the manager, were pulled in pieces, and an edict passed they should never again be erected.'[51]

Mushet provides no explanation for this, but his tenacity was remarkable. He continued to work at Clyde and built furnaces nearby to continue his work at night. His reputation continued to grow, and his correspondence with the *Philosophical Magazine* commenced. Mushet left Clyde and set up on his own in 1800. He went into partnership with William Dixon (later of Dixon Ironworks in Glasgow) and Walter Neilson, father of James Neilson who was to fulfil the potential of Mushet's discovery, purchasing the Calder Ironworks.[52]

Mushet made his discovery in 1801, finding a seam of ironstone while crossing the River Calder in South Lanarkshire, which he described as carboniferous or coaly schist - essentially coal matter mixed amongst ironstone. The bitumen content of the matter helped in roasting the ore in heaps (calcining) before smelting and gave rise to the title of 'blackband'. Mushet used the ironstone at Calder Ironworks mixed with other ores, and it was later used at Clyde, but it was not widely adopted until the advent of Neilson's hot blast, when the full potential of the native ore could be realised.

Ironically Mushet gave up his interest in Calder Ironworks and his leases on the blackband reserves in 1805, moving to Derbyshire.[53] In later life, his resentment at making the discovery without financial benefit, and the disdain of the ironmasters in considering the native ore thereafter, is a common theme in his and his family's writings;

'Great prejudice was excited against me by the ironmasters and others of that day in presuming to class the wild coals of the country with ironstone fit and proper for the blast furnace. Yet that discovery has elevated Scotland to a considerable rank among the iron–making nations of Europe, with resources still in store that may be considered inexhaustible.'[54]

2.6 James Beaumont Neilson; The Hot Blast Revolution

Samuel Smiles records that blackband ironstone (with limestone as a flux) was not used in isolation until 1825, when it was reduced by the Monkland Company. Both Smiles and Mushet acknowledge the importance of the hot blast, Mushet describing it as:

'one of the greatest discoveries in metallurgy of the present age, and above every other process, admirably adapted for smelting the blackband ironstone.'[55]

Smiles notes that;

'from the introduction of this process, the extraordinary development of the iron manufacture of Scotland may be said to date.'[56]

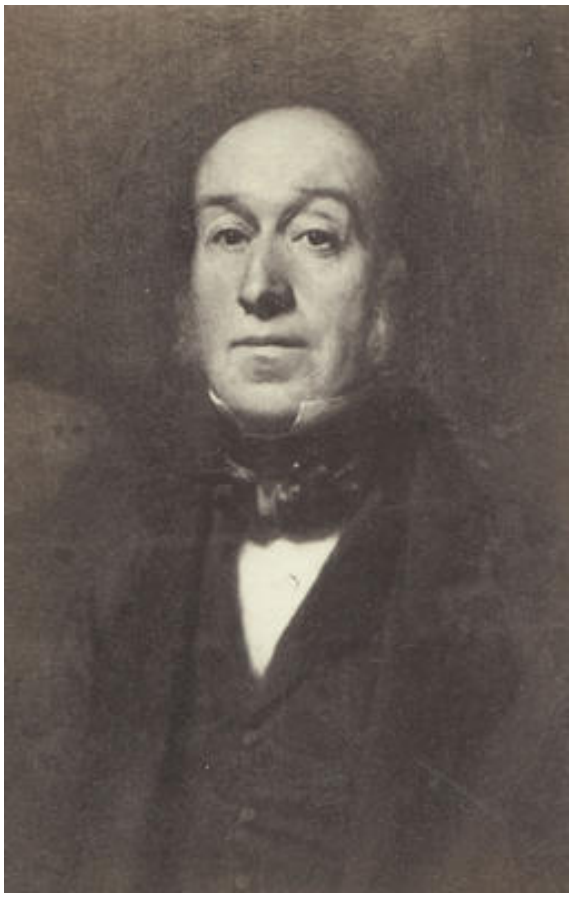


Fig.30: James Beaumont Neilson
(Image courtesy of The Scottish Ironwork Foundation)

James Neilson (Figure 30) was apprenticed to his brother at Oakbank Colliery as engineman, and progressed to Manager at Glasgow Gasworks in 1817. Like Mushet, he found time to experiment in his work, developing processes to assist the production of gas. In 1824 he was asked by an ironmaster if he

could purify the air in the blast furnace.[57] It was generally considered that iron smelted in summer was problematic due to the raised temperatures, and that cold air was best suited for smelting. Neilson suspected, correctly, that the air was more 'rarefied' and moisture laden in summer, and therefore de-oxygenated. This was the key point. He realised that oxygenation was key to the blast process.

His first experiments proved the theory in a smith's furnace, heating the air entering the furnace, and noting the improvement in combustion. Again, like Mushet he struggled to gain acceptance of his theories, since they were at odds with the standard practice of the time, and he sought to alter the pipework and deflector plates of the blast furnace, which was not warmly received by the ironmasters. Eventually he was able to construct his experiment in full at Clyde Ironworks (Figure 31) with considerable success, and secured a 14 year patent in 1828.[58]

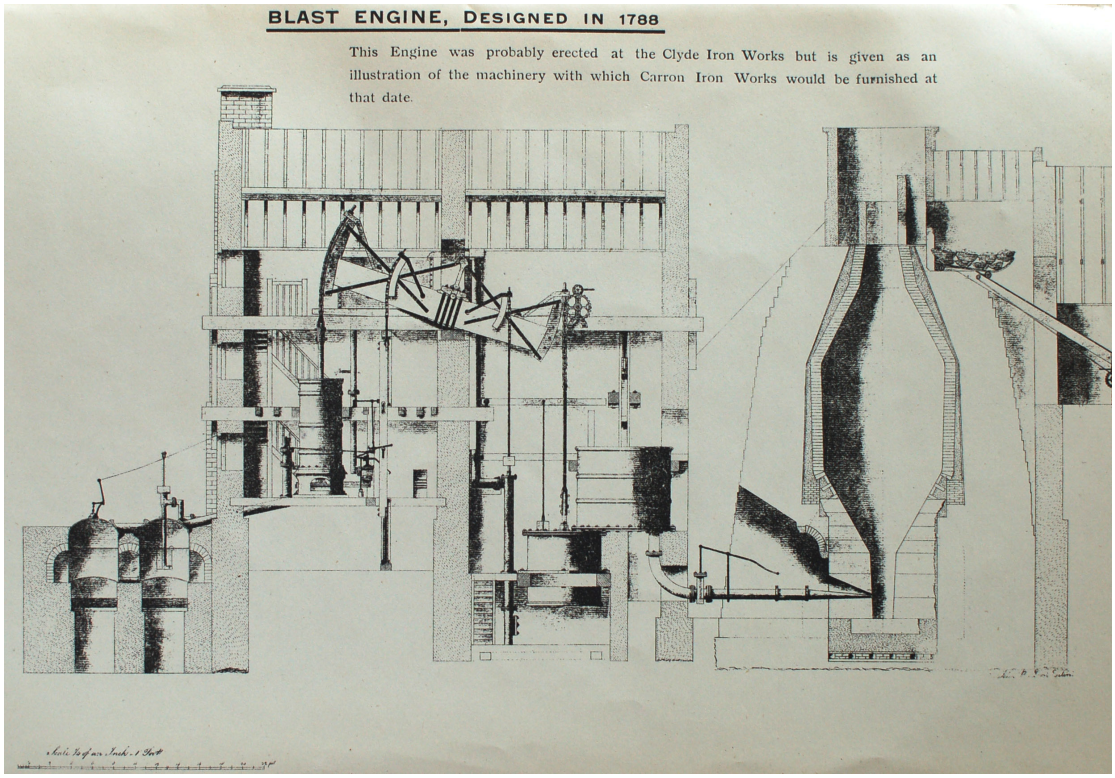


Fig.31: Hot Blast Erected at Clyde Ironworks
(Image courtesy of The Scottish Ironwork Foundation)

The impact of Mushet and Neilson's discoveries had a considerable impact on the production of pig iron in Scotland purely on the basis of cost. The abundant 'low grade' iron ore of the Central Belt could be mined, and since it required less coal and coal of a lower grade (splint coal – more common in lowland Scotland) to smelt and the hot blast further increased its efficiency, the iron trade could prosper with a competitive economic edge. A further advantage was secured in terms of geography, with ore and fuel in abundance in a relatively localised area. Limestone which was required as a flux in the reduction process was also freely available, and relatively low grade "pit coal" could be used as a result of the hot blast technology. Mushet notes that;

'the greatest produce in iron per furnace with the black band and cold blast never exceeded 60 tons a week. The produce per furnace now averages 90 tons a week.'[59]

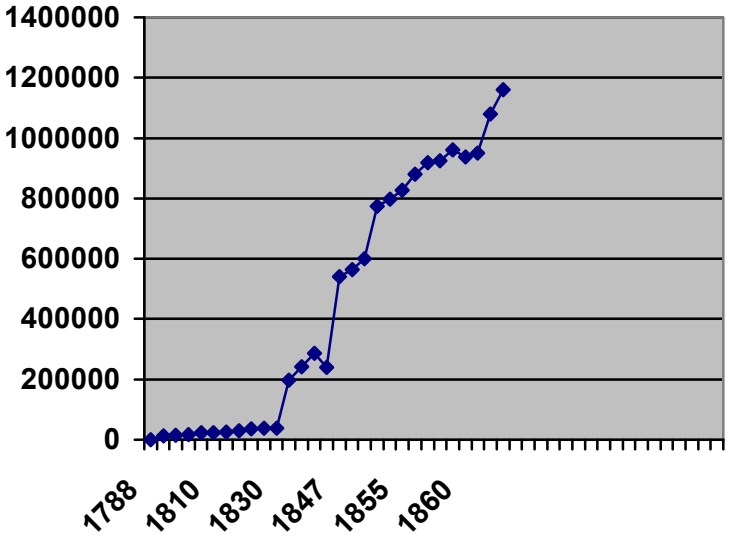


Fig.32: Scottish Total Annual Output of Pig Iron in Tons (British Blast Furnace Statistics, Riden & Owen 1995)

Figure 32 illustrates the dramatic rise in the production of Scottish pig iron following the advent of the hot blast in 1828.

In terms of the developing ornamental ironwork industry, blackband ironstone conferred a particular advantage. When smelted, it largely produced Grey Pig Iron No 1 (the range running from No 1 to No 5 depending on chemical characteristics) which was also naturally rich in phosphorus and high in graphite content. Of No 1 Pig Iron it should be noted that it;

'contains the largest proportion of graphite; it is distinguished in appearance by great smoothness on the surface of the pig, produces the finest and most accurate castings, but is deficient in hardness and strength in which it is inferior to No 2 & 3……..used very hot, as when melted in a crucible and air furnace, it is so fluid that it will run into the finest and most delicate moulds. This property peculiarly adapts No 1 pig for the purpose of small and ornamental castings.'[60]

The high phosphorus content allowed the cast iron to flow more readily during casting, whilst the high graphite content produced a

high quality surface finish. Both characteristics were particularly suited for the production of sharp and highly detailed castings for ornamental purposes.[61]

This increase in material supply in the form of pig iron at competitive rates in Scotland, and principally in the Glasgow area, provided fertile soil for the seeds of the engineering and architectural iron founders to blossom after 1828.

As Hamilton notes;

'The Scottish iron industry, unlike that of England and Wales, made comparatively slow progress during the Napoleonic War, and it was not until 1828 that it entered a period of intense activity. Between 1796 and 1828 output increased by slightly more than 100 per cent, between 1828 and 1838 the increase was over 500 per cent.'[62]

There were four primary reasons for the architectural iron founding industry of the 19th century developing in Scotland;

Raw Materials: Coal, blackband ironstone and suitable sand for moulding.

Technology: The hot blast provided the means of exploiting the natural mineral resource.

Expertise: Carron brought the expertise developed in Shropshire to Scotland to be replicated and developed. Carron was a breeding ground for key figures such as Thomas Edington.

Demand: Initially to support war efforts, burgeoning wealth prompted mass demand for architectural ornamentation previously undertaken in wrought iron. The influence of the Adam brothers and their role in Carron was key here.

2.7 Early Architectural Iron Founding Development

At the end of the 18th century, the Scottish iron industry was developing an infrastructure which was to form the basis of the architectural iron founding industry to rise in the late 19th century. Whilst the distinction should be drawn between the developments of production of pig iron and malleable/wrought iron and iron founding, it is important to note that many of the early iron foundries were secondary business streams to iron smelters. The partners at Carron had taken this philosophy to its conclusion by smelting ore and using the resulting pig iron to cast into goods or puddle to manufacture wrought iron for a similar purpose, as well as supplying cast and wrought iron to the marketplace. This was driven by a commercial realisation that manufactured goods could realise higher profits. Whilst other smelting operations such as Shotts Ironworks (founded 1802) followed a similar route in operating a foundry, Carron was the leading major company to continue this approach into the 19th and 20th centuries.

As the industry developed with the demand for goods in the early decades of the 19th century, the operational separation of iron smelters and iron founders seemed logical. The smelters had an increasing market at home and abroad to supply, and foundries developed specialisms in making domestic goods such as stoves and agricultural items. The cupola furnace meant that pig iron could be re-melted at any location in theory, and did not need to be tied to smelting works. Foundries could now operate on a town scale, but could also be sited close to transportation networks such as canals.

The founding fathers of the architectural industry in Scotland were therefore often initially iron producers rather than iron founders. A relatively small number of key figures prompted and facilitated this development, but hitherto the significant degree of interaction between the key players has not perhaps been fully appreciated. The iron and foundry companies were inextricably linked to individual families (the early industrial entrepreneurs) and an overview of these personal and business relationships are significant in comprehending the early development of the industry in Scotland. The key families in this respect were the Mushets, Cadells and Edingtons. Individually, the Mushet family and Cadells have been researched in a biographical context. The Edington family, despite their pivotal role have not been previously researched. In recording the sequential relationships and events which link the three families, it has been possible to track the development of the industry and the gradual move from the East Coast towards the West.

This complex relationship is illustrated in Figure 33.

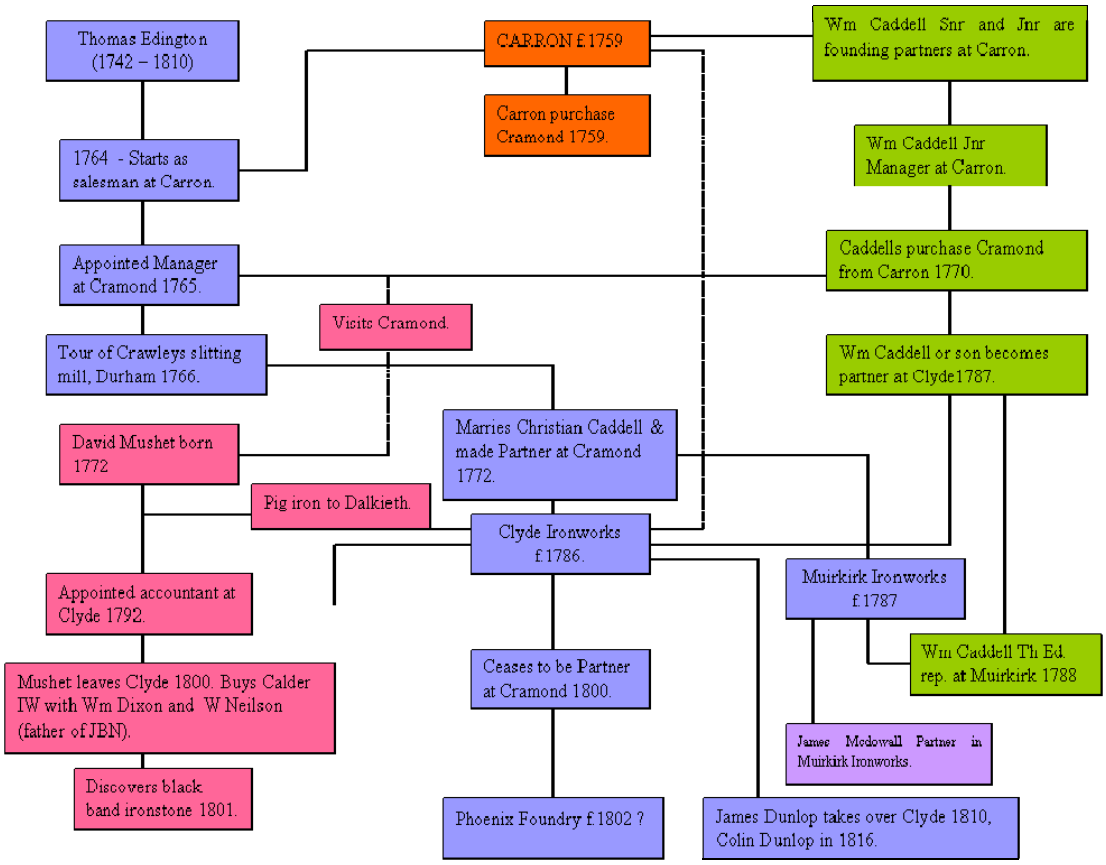


Fig.33: Relationship Among Thomas Edington, Carron & Glasgow Iron Founding

2.8 The Edington Family

The founding of Carron Company in 1759 brought together the Cadell family and Thomas Edington. David Mushet was also to have later involvement with both. William Cadell and son (also William) were founding partners in Carron.[63] William Cadell Jnr was the manager at Carron from 1759 to 1769. Thomas Edington joined Carron as a 'traveller' or salesman in 1764, being subsequently appointed as manager to Cramond Ironworks which had been proving problematic.[64]

Roebuck had secured the purchase of the Cramond iron slitting mills for Carron in 1759 to ensure a raw material supply of wrought iron to Carron until its own resources could be more fully developed.[65]

In 1766 Thomas Edington left to tour the primary competition for the production of malleable or wrought iron at Crawleys slitting mills in Durham. In 1770 the Cadells purchased the Cramond Mills from Carron Company, as they left the partnership at Carron. In 1772 Thomas Edington was appointed as partner at Cramond and married Christian Cadell.[66]

The business at Cramond was clearly too small for Edington's larger ambitions. Whilst he remained a partner until 1800, his involvement was limited after 1786 when he became a founding partner of Clyde Ironworks, and subsequently Muirkirk Ironworks in 1787.[67] The Cadell relationship continued, as founding partners at Clyde, and when Thomas Edington appointed William Cadell Jnr as his representative at Muirkirk in 1788. Interestingly, it is at Muirkirk that Edington met James MacDowall.[68] Together both sons were prominent individuals in the architectural iron founding industry.

Whilst Clyde Ironworks was principally founded to smelt ore for the production of pig iron, Smiles intimates that a foundry was also producing castings, including ornamental gates and railings.[69] He also suggests that Clyde was founded to accommodate the demand created by the Napoleonic wars driven by Carron. This suggests an influence from Carron which seems unlikely given the departure of both the Cadells and Edington from the fold, the Cadells after a five year battle for control of the company with Charles Gascoigne. In

many respects the enterprises of Edington at Muirkirk and Clyde Ironworks, and later in various foundries were in direct competition with Carron. On the death of Thomas Edington in 1810, James Dunlop took over Clyde, then his son Colin in 1816 who developed the company to be a significant pig iron producer.[70]

2.9 The Mushet Family

The Mushet family of Dalkeith became involved in iron founding as early as the 1770s.[71] Whilst David Mushet made his significant contribution in discovering blackband ironstone, his later work as a metallurgist and iron technologist, with his son Robert, made him the most prominent member of the family. His brothers became iron founders in Dalkeith and later in Edinburgh, a family tradition which continued for several subsequent generations, and into the early 20th century at Granton. Mushet records that he visited Edington and Cadell's works at Cramond at a young age, and the Dalkeith Foundry were purchasing pig iron from Clyde.[72] This relationship was perpetuated when David Mushet was appointed as accountant at Clyde in 1792, where he stayed for eight years before taking over the Calder Ironworks with William Dixon and Walter Neilson (father of James Beaumont Neilson).

The Mushet family home was Fairfield House in Dalkeith. The glasshouse constructed in the grounds of Fairfield House was manufactured by the family as an experiment in cast iron manufacture, the entire structure being of cast iron as opposed to a mixture of cast and wrought iron which is more common for this type of structure.

The Fairfield House cast iron glasshouse is one of the earliest cast iron buildings in Scotland. Built against a high brick wall, it comprises cast iron dado panels from which cast iron glazing bars spring to be secured against the wall. Cast iron columns support the glazing bars at their mid point. The structure was dismantled and restored by Heritage Engineering of New Lanark and Glasgow in 1996 which allowed a detailed examination of the castings and constructional detailing. It makes an interesting comparison to such structures manufactured by the major Glasgow iron founders later in the 19th century. The lack of constructional design is evident with poorly aligned castings and sub-standard jointing details in the dado panels and pillars. A lack of adequate foundation details meant that the columns sinking into the ground caused stress fractures to the glazing bars.[73]

The establishment of the Phoenix Foundry by Thomas Edington around 1803-1804[74] was one of the first significant iron foundries in Glasgow with an architectural output.



Fig.34: Phoenix Foundry & Works of Thomas Edington & Sons on Garscube Road
1807 Map by Peter Fleming



Fig.35: Trade Token from Phoenix Ironworks
Illustrating Front Elevation in 1813
(Courtesy of SCRAN)

Fleming's map of 1807 shows the site to be a substantial operation. A large courtyard is evident, and the 1813 elevation shown in Figure 35 displays a large furnace.

The ornamental gates to the Jew's Burying Ground at Glasgow Necropolis (1832, lost) are attributed to Phoenix, as are the gates to the Necropolis itself.[75]



Fig.36: Gates to Glasgow Necropolis (1833)
(by Phoenix Foundry to a Design by James Hamilton)

The design and execution of the gate panels, and the connection with James Hamilton is interesting. The castings are well executed technically, if a little heavy in section, and cast double-sided. Much architectural ironwork was cast in open moulds at this time, giving castings a distinct ornamental front and a flat back as illustrated in the railings adjacent to Glasgow Necropolis surrounding Glasgow Evangelical Church.[76] Whilst these are later castings they are unusual in their fairly basic form of manufacture. Double-sided castings, moulded in a box with two halves and brought together before casting or pouring the metal, were commonplace later in the 19th century, particularly for ornamental panels. The double-sided gate panels for the Necropolis therefore reflect the skills of the Phoenix Foundry in their manufacture.



Fig.37: Early 19th Century Single-sided Panels to Glasgow Evangelical Church Adjacent to Glasgow Necropolis (Maker unknown) (Photograph by D Mitchell)

James Hamilton was partner to his father David, who had a number of connections to the application of early architectural cast

ironwork. David Hamilton utilised cast iron extensively in his design for Eglinton Bridge in Ayrshire in 1807.

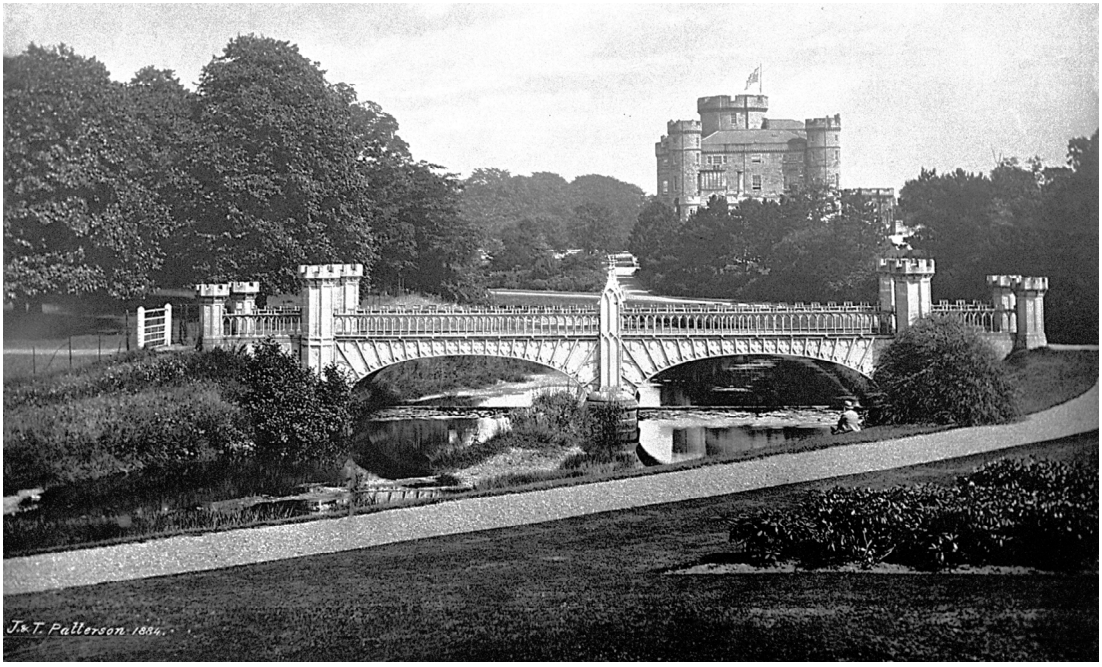


Fig.38: Eglinton Bridge
by David Hamilton, 1807 (SCRAN)

Another possible attribution to Phoenix Foundry manufactures are the massive cast iron railings surrounding the 1807 monument to Nelson on Glasgow Green by David Hamilton (1768-1843) and A Brockett.[77] No makers mark is evident on these castings, but the Hamilton association and the period would suggest Phoenix Foundry may have been involved.

After his death in 1810, it was his two sons George and James who continued the family tradition, but by moving into iron founding rather than smelting. George Edington was a partner of Thomas Edington and Sons, but left to establish his own foundry at the Hamilton Hill Basin and terminus of the Forth and Clyde Canal around 1845.

It was James Edington who was to become a key figure in originating the architectural industry. Around 1820 he went into partnership with John Mcdowall, whose father had been a partner of Thomas Edington at Muirkirk, and established the Eagle Foundry at Port Dundas. Through various permutations this company was to evolve into McDowall Steven and Co Ltd who were one of the major Scottish architectural iron founders.

Like Clyde, the Shotts Ironworks (founded in 1801) opened a foundry adjacent to the Ironworks, but on a larger scale. The main drive of the business was in the production of pig iron, but the Bairds saw the potential for supplying domestic and architectural goods. In the first 20 years it also leased Calton Hill Foundry which also acted as a shop front for their goods. In his company history, Augustus Muir records that 'finer goods' were showing a good profit and production had been increased. He also notes that the quality of the ornamental work was high;

'because of the fairly high percentage of phosphorus in the ore got from Muldron Moor – the iron had the necessary fluidity to cast fine and intricate sections.' [78]

In 1831 Shotts purchased the former Caledonian Foundry at Springfield in Leith Walk which they retained to 1867. It provided a prominent and convenient location for the company, well suited for the growing export market via Leith. By 1834 Shotts was exporting to Singapore, South America and Canada. The company developed a reputation for ornamental lamp standards, supplying to Holyrood Palace and the Royal Bank of Scotland in Scotland, and to Japan and China. This reputation was enhanced in the next 20 years, and by the early 1850s gates, railings and ornamental seats

were prominent. These were cast at the Springfield Foundry in Edinburgh. Muir records that;

'gates and railings (or both) were made for Lord Blantyre…for the estate of Blair Drummond near Doune, Brechin Castle, and for Lanrick Castle. Railings and lamp pillars were cast for the British Linen Bank in Edinburgh….The Springfield Foundry also got the contract for supplying all the structural ironwork, as well as shelves and tables, for the large Palm House built at the Royal Botanic Gardens in Edinburgh.'

A price list from 1877 notes the wide range of primarily domestic castings produced. In architectural terms, railings and gates were produced, along with columns and structural ironwork.

'Special mention must be made of iron pillars for street lighting. It has been truly said that the Shotts street lamp standards were to carry the Company's name into the four corners of the world. A young man from Shotts who had emigrated to Australia wrote home that he had stepped off the steamship at Sydney, and was feeling very lonely in a new world when he happened to glance at a street lamp pillar, and he realised that something from his native village had arrived there before him. Almost like a welcome, he read on the base of the pillar the name Shotts.'[79]

2.10 The Influence of Carron

Whilst the core of the architectural industry was developing in and around Glasgow, the influence of Carron around Falkirk and Edinburgh was significant at the start of the 19th century. In 1810 workers from Carron established Falkirk Foundry Company, becoming Falkirk Iron Company in 1819. For the period, this firm had a significant architectural and domestic/ornamental output. For the most part the firm specialised in small and highly ornamental domestic items such as umbrella stands, but did also manufacture railings, gates and larger structural items on occasion.

Yet it is Carron we must look to for the significant use of cast iron as a decorative architectural medium, and to the Adam brothers. John Adam was a partner at Carron until his death in 1792. The Adam architectural practice was used extensively by Carron for the design of ornamental castings from 1759 until the end of the 18th century. The family association lasted until the 1920s.

The design and construction of a house at 7 Adam Street in the Adelphi, London, by Robert Adam utilised what has been subsequently described as the honeysuckle design. It is of particular interest that the aesthetics of the design lie in wrought iron as its reference. It is not surprising that Adam designed ironwork to look like the traditional wrought iron panel which would previously have been designed and executed by a smith. One must wonder, however, if this was Adam executing a traditionally wrought iron aesthetic in the new medium of cast iron as a demonstration piece. In making 100 such panels, the smith would require to cut, bend and forge the malleable wrought iron, a considerably timeous task. It might take a smith eight hours to manufacture such a panel. With cast iron, the pattern would be made in timber most likely, and repeat castings moulded and poured in a process taking little more than an hour. In pure economics the attractions were obvious.

The castings were restricted to the balcony level of the house, and were executed in 1774. The design was subsequently incorporated in Carron catalogues (1823) and also shown in L N Cottingham's *Smith and Founders Director*, which was published in 1824 as a design reference for designers, architects and ironworkers.

Whilst the Adelphi example is the first high quality architectural work produced by the company, it is recorded that railings were being supplied in the 1760s, with a note recording railings supplied to Glasgow College in June 1764. Stoves, grates and mantels in cast iron became a Carron staple and in some respects built their reputation in this field. The influence of the Adam brothers as designers was significant here, with 18th century designs and patterns being used in to the 20th century. In the manufacture of decorative cast iron the execution of the pattern is fundamental to the quality of the casting. At Carron the Haworth brothers were responsible for turning the drawn designs into patterns. The Haworth brothers were extremely important in Carron attaining the reputation for quality that they did. They were third generation woodcarvers who had an extensive business at Denmark Street, London. The firm employed around 30 staff, including Dutch or Flemish carvers, and enjoyed Royal patronage from George II. They both learned their craft at the Royal Academy under Joshua Reynolds. Henry Haworth only worked at Carron itself from 1779 to 1781 when he died; William Haworth came to Carron in 1782 and worked until 1838 where he died in Carron. They employed plaster, tin and wood in the manufacture of their patterns, some of which are retained by Falkirk Museums. This was an interesting approach, the original pattern carved in wood, with copies lifted in plaster. A second generation pattern would be cast in tin which is soft enough to have the sharp details chased in to make high quality mouldings and therefore castings. The quality of the work is outstanding and in some respects was never matched, even by the large architectural iron founders who came later. Multifunction panels which could be used in a variety of applications were commonly made. Mantel registers and stove details were a speciality, but the monument to James Bruce sited in Larbert Old

Parish Church is attributed to the Haworths, and one of the few truly architectural pieces by the Carron–Haworth partnership.

Aside from Coalbrookdale, few iron founders were making the foray into highly decorative forms. The technical demands on producing such highly ornamental pieces against simpler pieces were high, since they were continually pushing the boundaries of the medium. William Lowes, a Clerk at Carron in 1772 returned a design for an Adam vase to London, noting:

'It will not cast, nor can we make any alteration without taking away much of the Beauty and destroying much of the Design. The four ears at the top of the Vaze particularly will not draw out of the sand, as well as the ring that is a little below these ears. You must therefore be so good as to speak to Messrs Adams about it and send a pattern more simple and the figures more strongly impressed.'

This highlights a lack of understanding of the moulding process employed in the foundry by the Adams, but also their intent to produce high quality goods. It was indeed a step into the unknown commercially, since the need to employ wood carvers and pattern makers increased costs, and the intricate nature of the castings dropped the weight of castings through the foundry. Most foundries based production on weight cast, and many sold their goods on the basis of weight. Fine architectural castings with less weight, increased moulding complexity and therefore time, required a different approach.

By 1790 the domestic and architectural output of the Carron works was becoming significant, and Carron had a name and reputation to uphold. Campbell suggests that:

'by the end of the eighteenth century it would not be an exaggeration to say that almost every major house in Scotland, and many beyond, contained some Carron products.'

High profile commissions ensured this reputation was enhanced. The Northern Lighthouse Board and the Stevenson Family used Carron to supply its window frames, and the company supplied all the ironwork for Register House in Edinburgh. The company used this position to commercial effect, selling goods retail (to the protests of merchants), but selling to architects wholesale railings for houses.

Early financial lessons learned in the complex manufacture of 'fine work' prompted Carron to decline such work under manager Joseph Stainton. Where his predecessors were keen to take on challenging ornamental work, Stainton advised a client in 1790:

'such orders are very unpleasant for we employ some of our best artists a considerable time without reaping any advantage from them and our customers think they pay higher.'

This increasing confidence prompted Carron in 1790 to tell Gilbert Hamilton, who wished gates for a client;

'We are not in the habit of making out estimates – if they choose to employ us to execute the work, we shall do it well and as reasonable as such work can be done.'

The output of ornamental goods was curtailed somewhat as the core of Carron Company's manufactures shifted to ordnance and shot to supply the French wars.

2.11 Early Innovations

Two of the earliest architectural ironwork innovations were made by designers and firms who did not have a particularly large role to play in the Victorian heyday in Scotland. These innovations have to date been largely unknown, and one at least is of international importance.

Perth Waterworks



Fig.39: Perth Waterworks
(Photograph by D Mitchell 2008)

Whilst James Bogardus has generally been credited with inventing the cast iron façade form of pre-fabricated construction, Perth Waterworks may well be one of the earliest and most important cast iron structures, hitherto largely unknown.

The use of cast iron for structural columns, beams and spandrels was by the 1820s reasonably common in Britain and the United States. Sir William Fairbairn (1789-1874) has generally laid claim to the first complete iron building via the three storey flour mill he designed and shipped to Turkey in 1839. This was not however a fully cast iron construction, instead using wrought iron plates for walls. A fully cast iron lighthouse was constructed in London by Cottam and Hallen in 1844 before being shipped to Bermuda. It utilised the bolted internal flange principle used extensively in cast iron building construction thereafter.

Bostonian Daniel Bager, the pioneer of cast iron façade construction on a mass market basis, wrote that he was 'the first person who practically used iron as a building material for the exterior' of a structure, referring to an 1842 Boston Shopfront he had erected. Badger's shopfront, Fairbairns Mill and Cottam and Hallems lighthouse were all later than Adam Anderson's Perth Waterworks.

James Bogardus (1800-1846) has generally been credited with inventing cast iron architecture. The author would submit that whilst he certainly popularised the material and the technology on a large scale, he did not invent cast iron façade construction. That title may lie at the door of Adam Anderson, the Perth schoolmaster. Bogardus was an inventor, and his move to cast iron buildings was prompted by the two major New York fires in 1835 and 1845.

Cast iron construction was seen as fireproof construction, and Badger established his foundry beside the Columbia Ironworks and the foundry of Daniel Badger in New York, 1848. The modularity of the cast iron components were such that from a limited number of

patterns, high volumes of identical components could be cast and assembled quickly. The secret was of course in the design, the essence of all prefabricated buildings. His first cast iron building was the Milhau pharmacy of 1848 on the West side of Broadway, a five storey façade erected in three days.

In the years that followed, Bogardus designed and erected a profusion of cast iron buildings, notably the Sun Building in Baltimore.

Whilst the work of Bogardus was 16 years later than Anderson, there are some potentially interesting connections. These may of course be circumstantial, but perhaps there is something more to be learned. Bogardus had married Margaret Maclay in 1831, a Scots immigrant to the United States and daughter of influential Baptist Minister, Archibald Maclay. His fine engineering work sustained them in the early years of their marriage. He met John Wylie Thomson, another Scot from Kilmarnock who arrived in New York in 1832, the year that Perth Waterworks was completed, and who was to become his trusted business partner. We know that Bogardus left America for Britain in 1836,[80] for a planned short period to protect his overseas patents. He secured high quality engraving work, however, and remained in Britain for four years. He was joined by his wife in 1838 who wished to visit her family and that of Thomson, in Scotland. It was on a trip to Italy before they returned to New York in 1840, that Bogardus is identified as forming his plans for cast iron architecture;

'It was whilst in Italy, contemplating there the rich architectural designs of antiquity, That Mr Bogardus first conceived the idea of emulating them in modern times, by the aid of cast iron.'[81]

Given the Scottish connections with Bogardus and his sharp engineering and inventive mind, it might not be too much of an extrapolation to suggest that Bogardus was certainly aware of the erection of Perth Waterworks. Anderson notes that in 1837 the King of Prussia had asked for outline drawings of the building in order that an identical structure be erected in Berlin. Whilst to date no record of such a building has been determined, if the king of Prussia was to learn of it, surely a man in Borgardu's position would also?

Interestingly, in 1852 the American Institute in New York was considering the Crystal Palace of Joseph Paxton and ascertained that the real inventor of the layout of the Crystal Palace was Bogardus;

'the inventor of iron houses, from whom the pattern was undoubtably taken.'[82]

The river Tay bisects the town of Perth, with a steep runoff from the surrounding catchment (Figure 40).

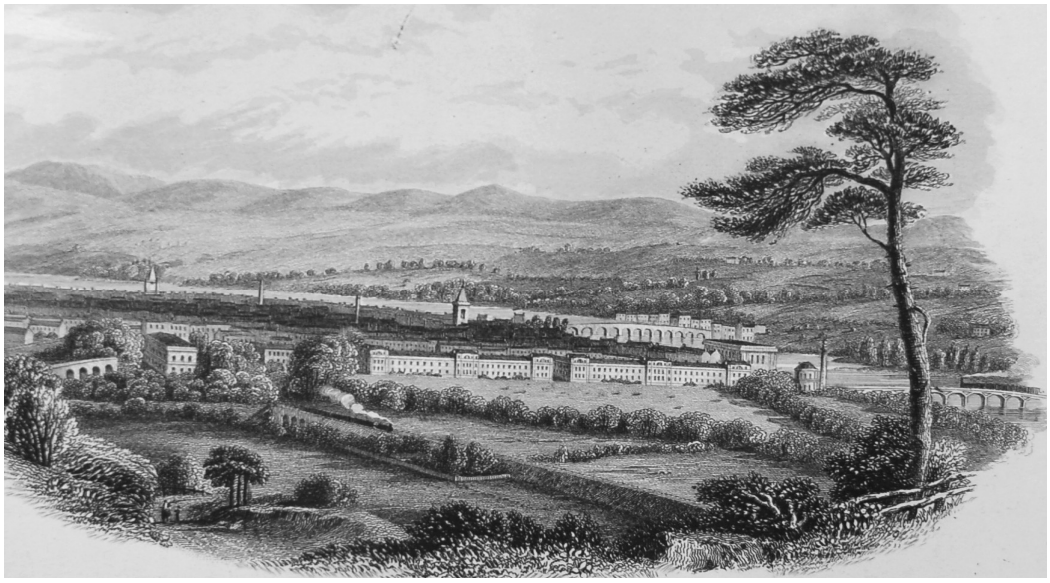


Fig.40: Mid 19th Century View of Perth Showing Waterworks (Image from D Mitchell collection)

As early as 1751 Perth town council proposed pumping a water supply from the Tay, but it was not until 1762 that a timber piped supply was installed, replaced 30 years later in lead. In 1810 The Perth Water Commissioners requested that Adam Anderson evaluate the options of providing a water supply.

Anderson was then local schoolmaster with an interest in science matters. Anderson conducted extensive water sampling, and discovered that general abstraction from the land adjacent to the river brought water that was contaminated from the alluvial deposits borne downstream by the river. However, when sinking a nine foot cast iron pipe into the bed of the Tay itself, he discovered that he could penetrate a clay band beneath the river bed where the static pressure forced the water level in the pipe well above the river level, raising good quality drinking water. Further evaluation identified that the river had eroded through the clay band on Moncreiffe Island on the Tay, and this was selected for the extraction point.

Anderson's logic was simple, yet highly effective. Filter beds would be laid on Moncreiffe Island and the water pumped to a high level storage tank or cistern. A deep well would be constructed beneath the ground. The base level of the reservoir was set at four feet above the the level of the highest outlet point in the town to ensure that the water supply would not fail. He designed an additional mechanism to ensure that supplies were maintained to those properties which might be considered marginal (Figure 41).

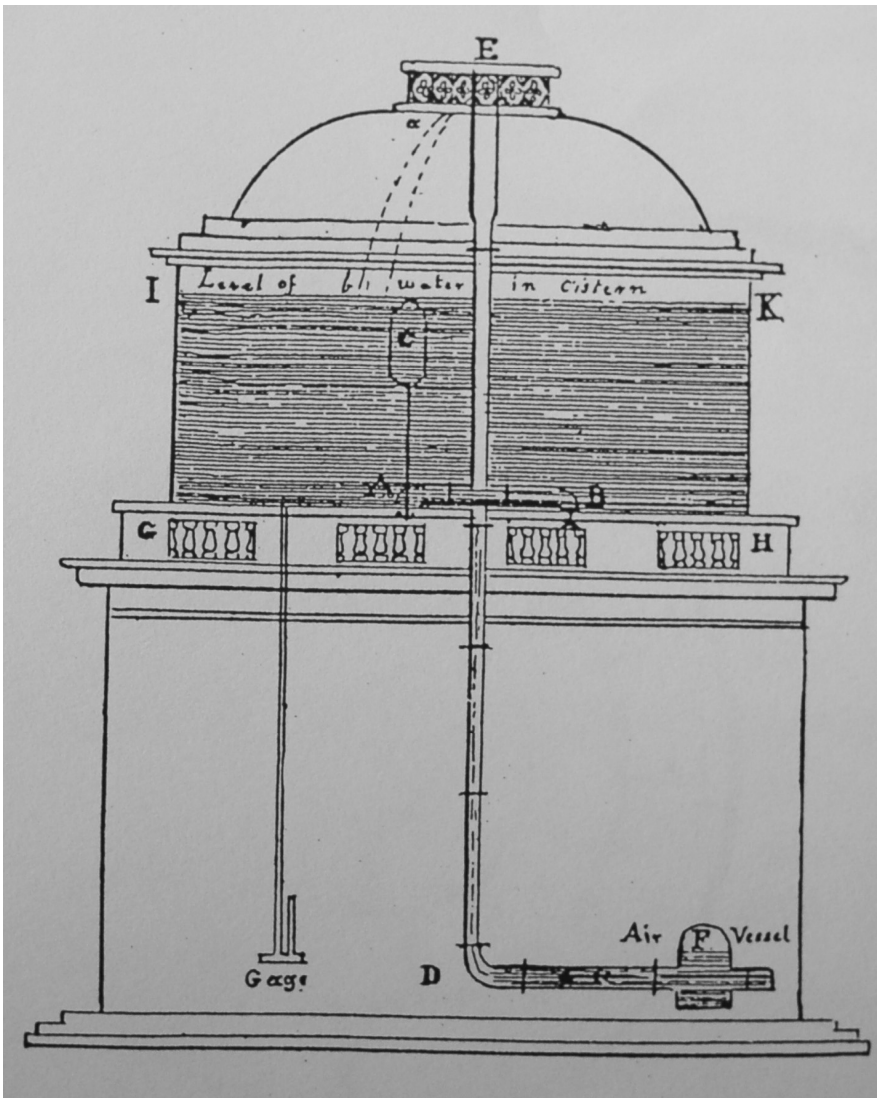


Fig.41: Operational Sketch of Perth Waterworks by Adam Anderson (c.1830) (Image courtesy of Perth and Kinross Council Archives)

Anderson first selected a site adjacent to Grey Friars Graveyard, proposing a relatively plain structure given its location. The local residents were unhappy about the prospect of the water supply for the town being in such close proximity to the graveyard, and a new location on the corner of Marshall Place and Tay Street selected. Given the prominent location, Anderson re-designed the building in the ionic order.

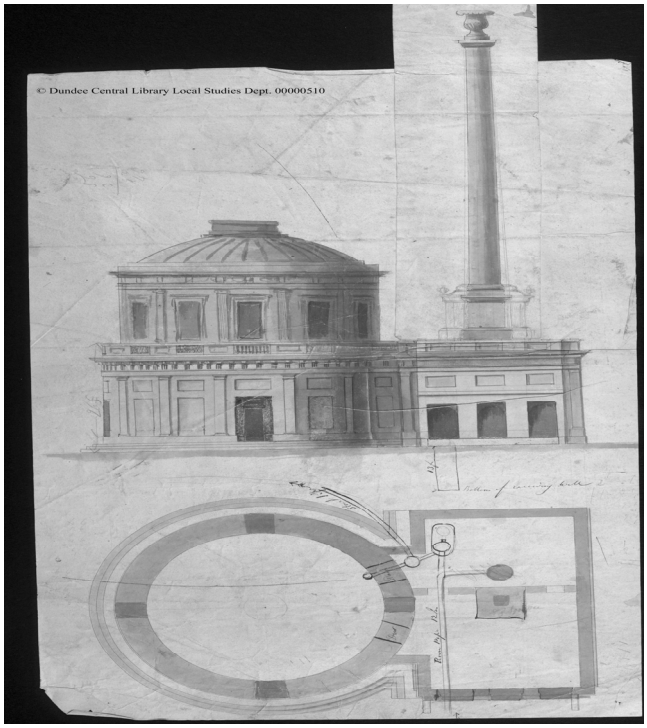


Fig.42: Anderson Designs Drawing for Perth Waterworks, c.1830
(Image copyright of Dundee Library)

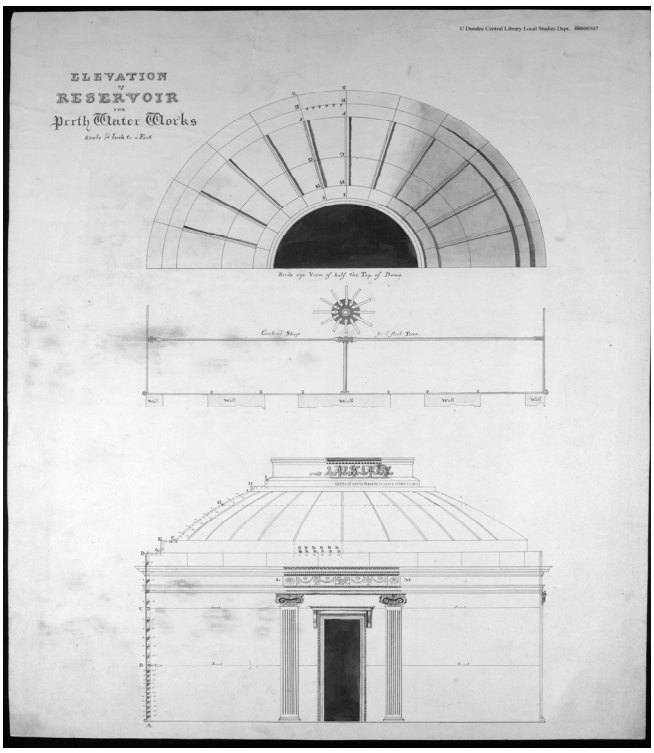


Fig.43: Anderson Designs Drawing for Perth Waterworks, c.1830
(Image copyright of Dundee Library)

Firms submitted tenders for the pipework and the cast iron façade work separately. Eleven ironfounders tendered for the casting and erecting the façade work, some of which recorded a manufacture and installation timescale of six months from order.[83] Whilst Scotland was to become the location of a large and specialised collection of architectural ironfounders in the latter half of the 19th century, there were few specifically architectural ironfounders in Scotland at that time. The notable exception was Carron Company - it is somewhat surprising that Carron does not appear on the tender list, although one of their engine men later applied for the Perth engine man post.

St Johns Foundry in Perth was the lowest bid at £980 which was accepted. A dispute over specification later developed with Anderson and the firm withdrew its bid, citing the death of the

Foundry Manager who had agreed the contract originally. The contract for both the façade and the steam engine was subsequently awarded to the Dundee Foundry.[84]

The filter beds were excavated four feet below the river bed with a gravel base. Eight foot walls were built in open stonework to allow water percolation. The beds were capped in flat fine jointed stone to prevent surface water seepage. The entire construction was then buried beneath clay and gravel to offer protection in spate conditions. A masonry well was constructed in the centre of the bed from which a cast iron pipe ran to the bank, and a cast iron trap was constructed to trap sediment. The river pipe had a bore of one foot with a one inch wall thickness, and was coated inside and out with India rubber dissolved in linseed oil and coal tar. Anderson designed the system so that the pipe could be flushed towards the filter bed using water from the cistern.

The cast iron wells were sunk to a depth of 23 feet below the engine house floor, and 4 feet below the river bed. This allowed the wells to fill largely under their own pressure. Anderson notes that;

'The unremitting exertions of fifty or sixty men with a couple of large pumps in an inclined position were barely sufficient for removing the water, as it flowed in from every side.'[85]

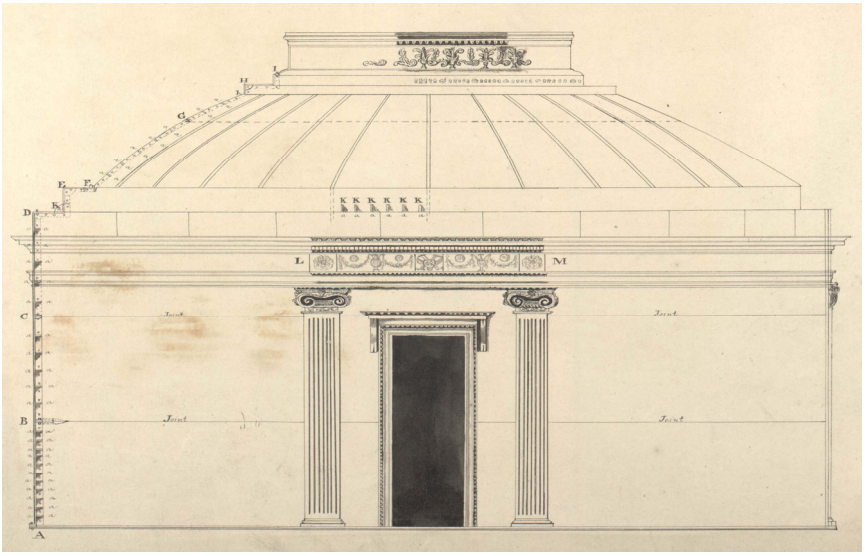


Fig.44: Cast Iron Detailing
(Image copyright of Dundee Library)

The foundations were constructed to take a load of 900 tons in Perthshire sandstone and lime, undertaken by the firm of Cameron and Galletly at a cost of £3,127.[86] The primary cylinder of internally flanged cast iron supported a domed roof atop which was mounted a cupola. A steam pipe was run from the boiler house around the internal face of the cistern to prevent freezing in winter. A steam engine was incorporated to assist water movement. A beam engine was supplied by the Dundee Foundry Company in 1832, with another from Russell of Kirkcaldy the following year. The Dundee Foundry Company are not known for their architectural work, but are recognised for producing engines, notably the Stirling Maxwell engine in later years. As previously indicated, the 1830s was before the architectural ironfounders had become established generally in Scotland.

Perth waterworks opened in 1832 to considerable acclaim. By the 1860s the works were no longer considered adequate to meet the needs of the burgeoning population, and a reservoir was

constructed at Wellsfield. The waterworks became a pumping station to supply the new reservoir. The Commissioners planned to dismantle the ironwork in 1872 to raise funds, but public outcry prevented this. The sole plates of the reservoir and the associated masonry were dismantled and raised £100 in sale. In the same year a new boiler house and office building were erected on the site. In 1878, 80 unemployed men were taken on to dig a new well within the round house and construct foundations for new engines supplied by Boulton and Watt's famous Soho works.

A further supply was run into the building in 1888 from a new filter above Perth bridge, and a new engine room erected in 1898 to house a triple expansion engine from Glenfield and Co to pump water to the new Muirhall reservoir. Another pumping engine was installed in 1904. An attempt to sink an artesian well was commenced in 1916, but abandoned the following year at a depth of 450 feet. The original 2 beam engines were removed in 1928, having not been used for 30 years. The site finally closed in 1965 when a new waterworks came online to serve the city.

A campaign was launched in 1967 to save the building by the newly formed Perth Civic Trust, with extensive correspondence between the Trust, the Town Council, and the Ministry of Public Building and Works (the predecessor of Historic Scotland). Interestingly a 'specialist report' from Robertson and Robertson of Perth Foundry in 1964 considered the ironwork to be 'in a remarkably good state of preservation'[87] but then notes that the frieze section is insecurely fastened and currently held on with wire! The foundryman does note that bolts were falling off the structure. Morris and Steedman Architects were appointed to convert the building into a tourist information centre, which was

completed in 1974. The tradition of technological innovation continued, as the showpiece of the building was a 360 degree scenic projection made possible by 14 slide projectors.

The original engineering expertise required to cast radiused panels in relatively thin section to form a perfect cylinder, as well as the highly decorative work, was considerable. The radiused panels which form the core of the building were cast in grey iron with internally faced flanges on four sides. These flanges are tapered inwards to effect a better seal. The jointing detail varies from location to location but essentially comprises a wrought iron fitting strip with cast iron cement infill. In some locations leather strips had been used where a fitting problem had occurred. Cast iron cement was invented by William Murdoch, a Scot who worked closely with James Watt and Mathew Boulton.[88] It comprises cast iron filings mixed with sal amoniac (ammonium chloride) which sets hard in the joint, and was used extensively in the jointing of pipework in both steam and water pipes.

The original proposal for the dome was relatively utilitarian due to its planned location next to the graveyard, but the current prominent location prompted a more decorative approach. Ionic pilasters and decorative corbels and friezes were cast and bolted through the primary structure to create a more decorative building, including the city crest. References to the paintwork are somewhat conflicting, one specifying that the ornamentation should be a darker colour than the rest of the dome, another that it should be 'shaded as the stone below' which matches another quote noting that it would be painted 'in imitation of ashlar' at a cost of £13.50.[89] The second approach would appear to be the one

employed and ties in with later cast iron façade decoration where the cheaper cast iron could be made to appear like finished ashlar.

The original decorative scheme was unfortunately destroyed in the 1972 restoration, when the structure was coated in a rubber–type paint which caused subsequent problems due to its lack of permeability to moisture.

The importance of the building as a datum in the technological evolution of the use of cast iron has not previously been identified, with credit historically given to James Bogardus as a pioneer of the technique. It may be the earliest known example of cast iron façade construction.

Fairfield House Glasshouse

Fairfield House in Dalkeith was built by the Mushet Family around 1812 who were at that time proprietors of the Dalkeith Iron Foundry. The glasshouse adjacent to the main house was constructed as a vine house and built against a high brick wall to absorb and re-distribute the massed heat and with a system of internal ventilators built within the wall to vent the glasshouse.



Fig.45: Dalkeith Glasshouse c.1996
(Image courtesy of Heritage Engineering)

The importance of this structure is that it is potentially the first example of an entirely cast iron glasshouse, and a very early glasshouse using iron in its construction.

John Claudius Loudon (1783–1843) is considered to be the pioneer in the use of iron for conservatories, glasshouses and palm houses. Born a farmer's son in Cambuslang he studied as a botanist, then travelled through Europe in 1813-14. On his return he focused on the improved design of such structures leading to the design of a wrought iron sash bar in 1816 which could be forged to accept glazing and be used on a radius.[90]

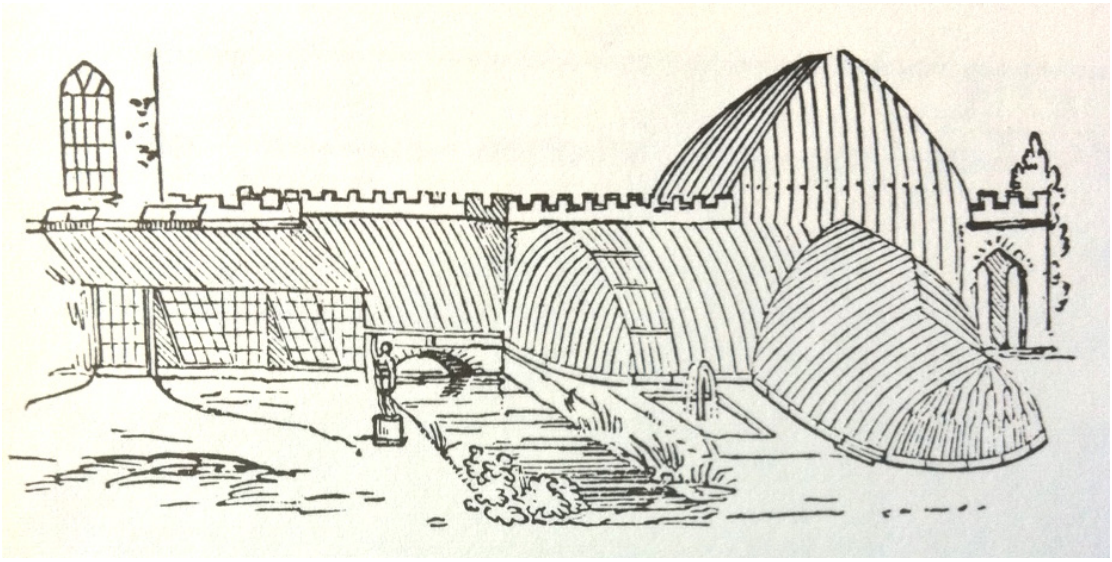


Fig.46: Sketch of JC Loudon's Iron Glasshouse, 1823 (From *The Glasshouse* by John Hix 1974)

The first 'true' iron glasshouse is considered to be Loudon's own at Bayswater House, his home erected in 1823 where he employed the use of the wrought iron sash bar as a modular unit.[91] The design for these glasshouses were generally cast iron columns with wrought iron glazing bars, sometimes with cast or wrought purlins. This took best advantage of the relative properties of the materials.

Joseph Paxton (1803-1865) took Loudon's sash bar designs and proved them on other projects including the great conservatory at Chatsworth in 1836, ahead of using them on the Crystal Palace of the Great Exhibition of 1851.[92] Aside from the Fairfield House example, the earliest apparent cast iron glasshouse was erected for the Duke of Devonshire at Hove near Brighton in 1832, but had collapsed by the following year due to poor design.[93]

A number of glasshouses followed using the same principles, but none using cast iron as the sole construction medium.

The Fairfield House example uses cast iron in all its components. Cast iron dado panels sit between ornamental pillars on brick foundations. Cast iron glazing bars (a significant technical achievement at this time) spring from the panels onto the wall. The glazing bars are supported mid span by slender cast iron columns and spandrels.



Fig.47: Central Column Supports to Glazing Bars (RCAHMS)

The glasshouse was restored by Heritage Engineering in 1998 which involved dismantling the entire structure and removing it off site for conservation and restoration works. Whilst the quality of

the castings was fairly good, the structure itself had a very 'prototype' feel about it and was poorly designed in some places. Regardless, this structure pre-dates the previously considered earliest known cast iron example at Hove by some 20 years, and even Bayswater House by 11.

Why did the Mushets create this structure? Perhaps it was an experiment to see what this new wonder material could do, or perhaps it was simply because they could.

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Chapter Three

Key Architectural Iron Founders

3.1 Overview

The firms which might be considered as the key Scottish architectural iron founders are;

The Milton Foundry of McDowall Steven & Co, Glasgow then Falkirk
The Sun Foundry of George Smith & Co, Glasgow then Paisley
The Lion Foundry, Kirkintilloch
The Elmbank Foundry of James Allan & Co, Glasgow
The Saracen Foundry of Walter Macfarlane and Co, Glasgow

These firms, more than the multitude of other iron founders focused on architectural work as a speciality, created work of artistic or technological achievement or in such proliferation of manufacture that they deserve special attention.

Milton Foundry were the earliest entrants to the field in 1834 and through adaptation and seeking new market specialisms ensured a lengthy run. Like Elmbank however, they were firms which produced important and high quality work, but just failing to meet the highest standards of output demonstrated by Lion, Sun and Saracen.

This core or 'golden' triangle of firms were fierce competitors of course, but beneath the surface were inextricably linked historically

by personal association. Saracen being the key firm, both Lion and Sun were founded by former staff from Walter Macfarlane & Co.

The complex web of architectural iron founding, commercial and personal interplay, was a central feature of the industry in Scotland from the outset. Peeling back the layers of complexity begins to focus our attention on the Saracen Foundry of Walter Macfarlane and Co as the focal point and the powerhouse behind the sector in the latter half of the 19th century.

That is not to say there were not other firms undertaking important work elsewhere in Scotland. Broadly they split geographically across the Central belt as being centred around Glasgow, Falkirk and Edinburgh. A number of important firms grew in Edinburgh, which perhaps been in the engineering shadow of its Western neighbour.

In this section we shall consider the five key firms above, but also those who were prominent in their own particular field and who have not perhaps been previously recognised for their contribution.

3.10 A & J Main



Fig.213: Catalogue 197 of A & J Main, Undated (From D Mitchell collection)

A & J Main are best known for their work in the manufacture of large iron buildings and sheds, particularly for agricultural use. Their lozenge shaped logo is regularly seen on the elevations of agricultural buildings in Scotland. A & J Main supplied a broad range of architectural work and specialized in pre-fabricated structures and park and estate ironwork, principally fencing. Whilst their products were fairly utilitarian for the most part, their range of work included some specifically ornamental work.

Prior to 1958, Mr Hernulewicz and Mr JR Main were managers to Charles D Young of Edinburgh. In 1858 Hernulewicz and Main had left the employ of Charles D Young and were in business selling iron ware and gates, very much the product base they were used to. Based in showrooms at 4 Bothwell Street the partnership did not last long and was dissolved later that year. Main worked as a manager and agent for other firms for several years until another partnership in wire goods around 1863 was established as Main

and Keppoch. This was dissolved in 1866 and A & J Main established in Scott Street, Port Dundas.[1]

In 1874 the works were moved from Port Dundas to Clydesdale Works in Possilpark adjacent to Saracen who had relocated to Possil in 1872. As the landowners, Saracen must have sold or rented the land.

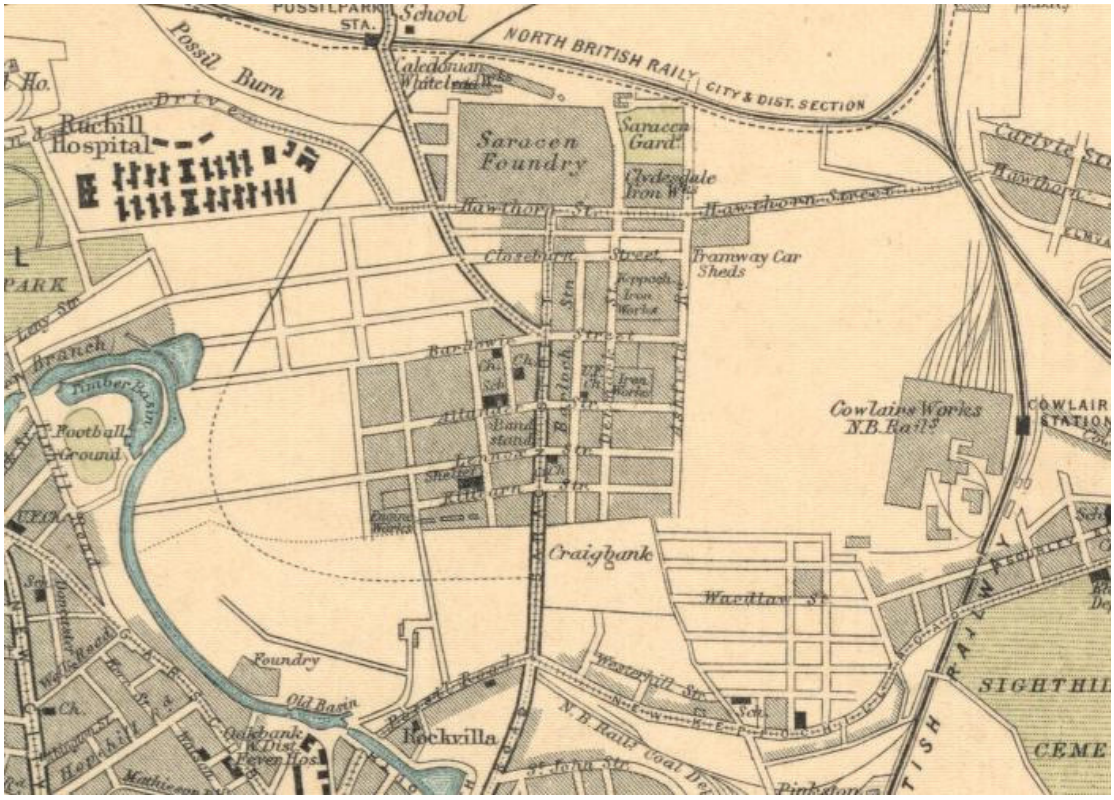


Fig.214: Extract from 1912 Bartholemews Map Showing Location of Clydesdale Works to Saracen Foundry (Courtesy of National Library of Scotland)

Like their neighbours, development of the business prompted a number of expansions to the works.



Fig.215: Clydesdale Ironworks Shortly Before Demolition (Image by John Hume – RCAHMS)

In 1886 a branch of the firm was established in Calcutta, followed by the establishment of works there in 1902. This was a successful enterprise and the works were relocated and enlarged in 1909.[2]

After incorporation in 1895, a branch was established in Johannesburg in 1903. In 1912 the South African operation was floated off as a separate company as A & J Main and Co (South Africa) Ltd with offices in Cape Town.

In 1905 a portion of Arrols Bridge and Roof Works in Germiston was taken over by the firm but it remains unclear on what basis this was undertaken. In 1919 Armstrong Whitworth purchased a controlling interest in A & J Main and consolidated its structural engineering interests in Glasgow.[3]

The firm continued to move away from its roots and moved into large scale structural steelwork. The firm prospered but saw

demand for its work decline until it went into liquidation in 1968 and the works were demolished in 1969.

Products

Early products had a distinctly agricultural flavour and as wire workers they promoted their goods for the purposes of fencing.

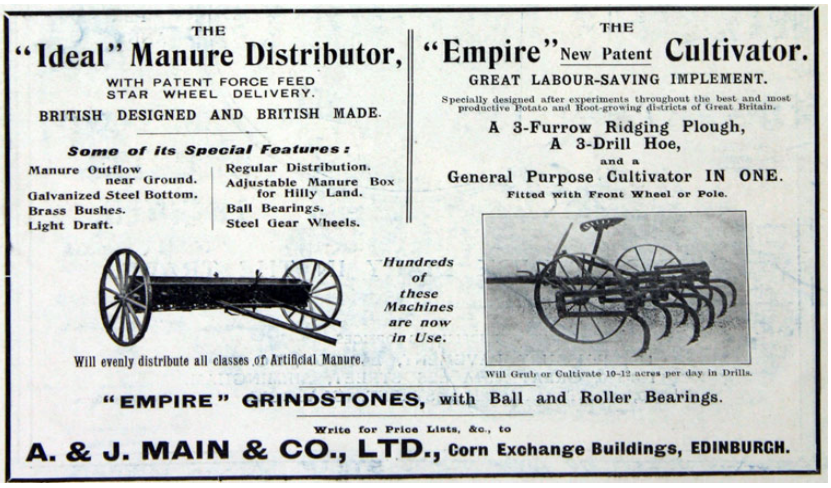


Fig.216: Early Advert for Agricultural Equipment c.1890s (From D Mitchell collection)

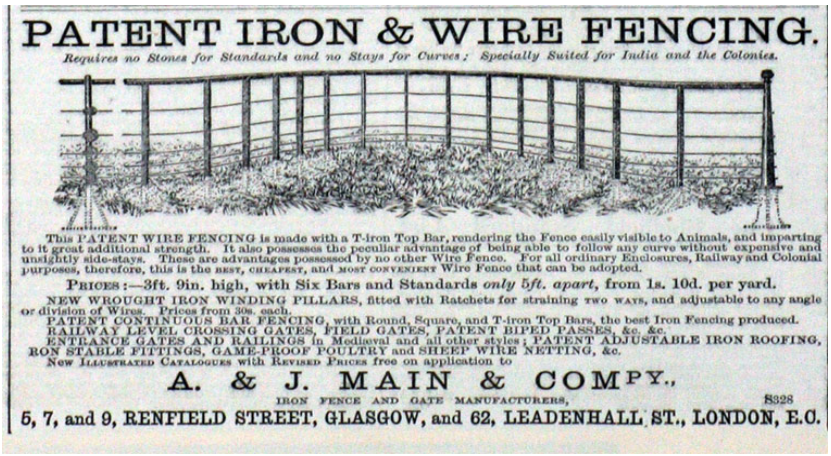


Fig.217: Trade Advert for Patent Fencing (From D Mitchell collection)

The evolution towards buildings can be followed in the trade adverts used by the firm. This advert (overleaf) dates from the

1890s and shows the move into agricultural buildings, but also the decorative work shown at the bottom of the advert and notes their manufacture of gates and railings.

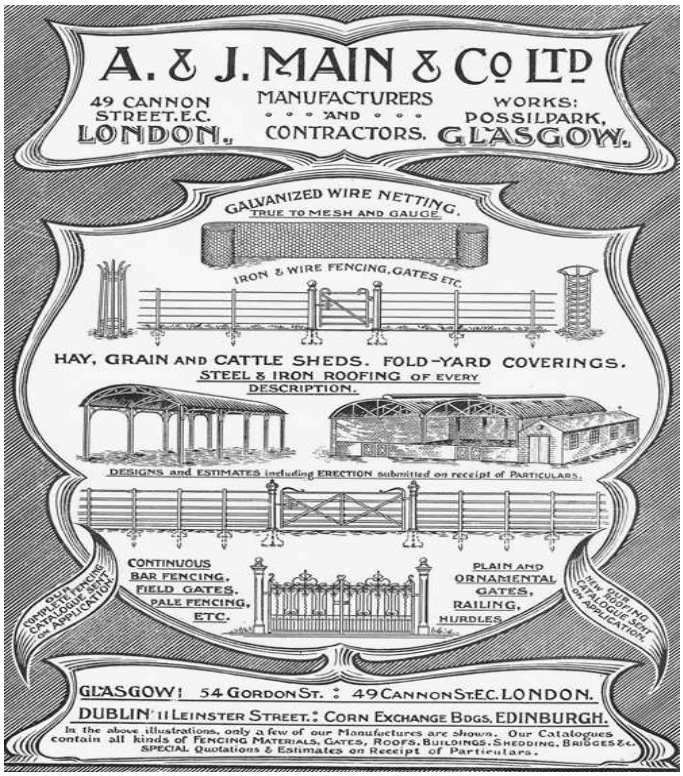


Fig.218: A & J Main Advert, c.1890s (From D Mitchell collection)

An 1890 catalogue[4] continues to show a large variety of cast and wrought iron railings and gates, the railings of the continuous type where the horizontal spar joints are difficult to locate. This type of work was pitched at estates and parks in particular. Palisade fencing is shown with matching gates and gate piers with a range of more ornamental wrought ironwork. As noted in the catalogue this line was supplied to Glasgow parks.

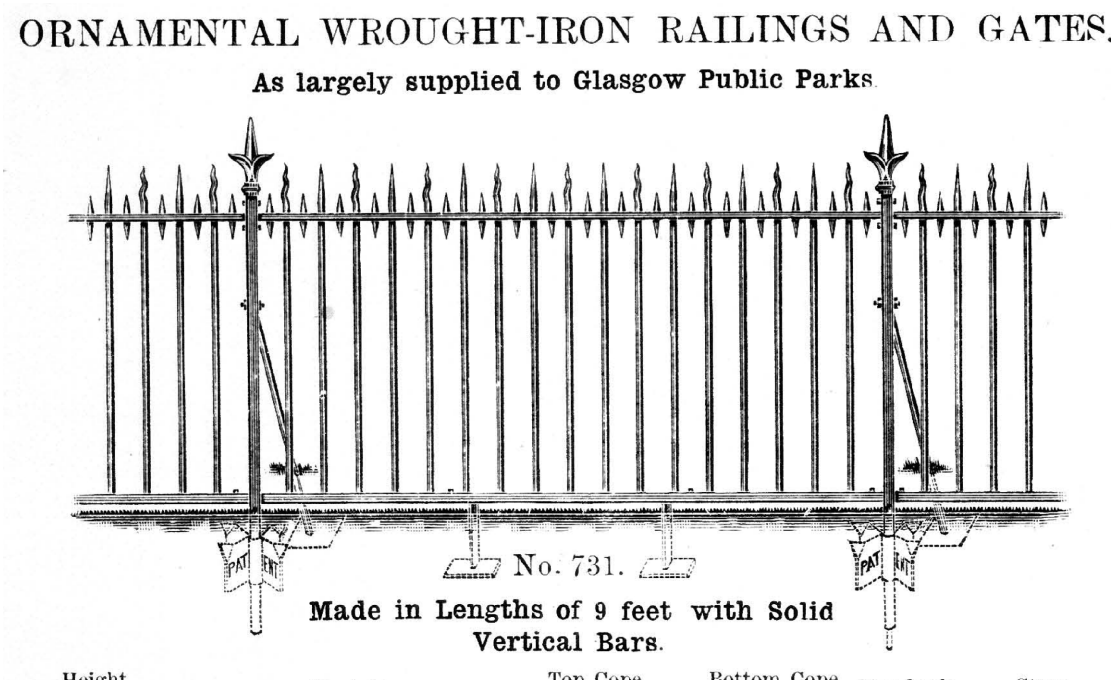


Fig.219: A & J Main 1890 Catalogue (From D Mitchell collection)

This forged work was quite different to what their Scottish counterparts were selling, but interestingly what firms like Saracen moved towards 20 years later. They describe the design of the gate below as 'chaste and of handsome appearance.'

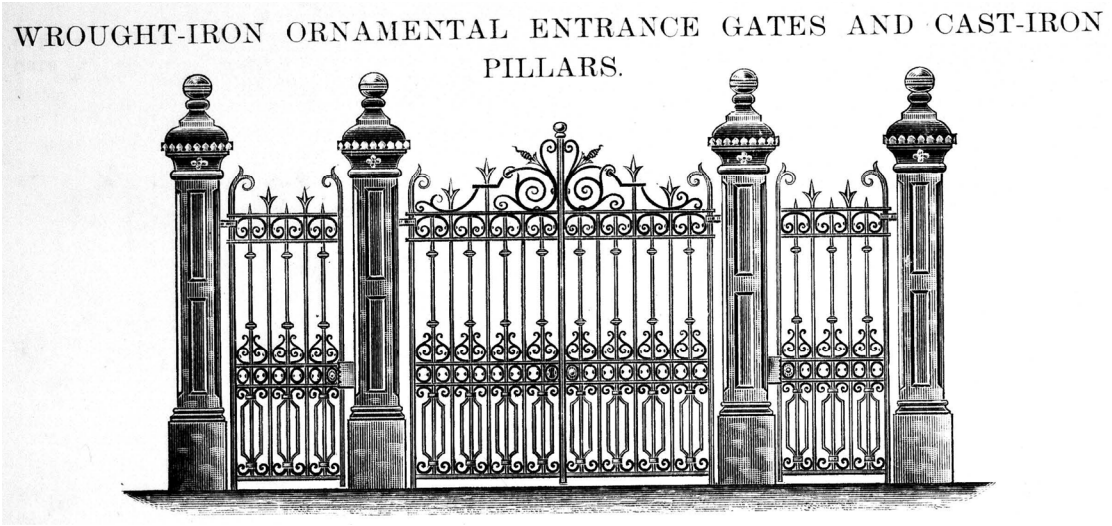


Fig.220: A & J Main 1890 Catalogue (From D Mitchell collection)

The catalogue also illustrates constructional ironwork in component form – cast iron columns, corrugated iron sheeting and iron window frames, but also rain water goods and roof trusses of various designs (below).

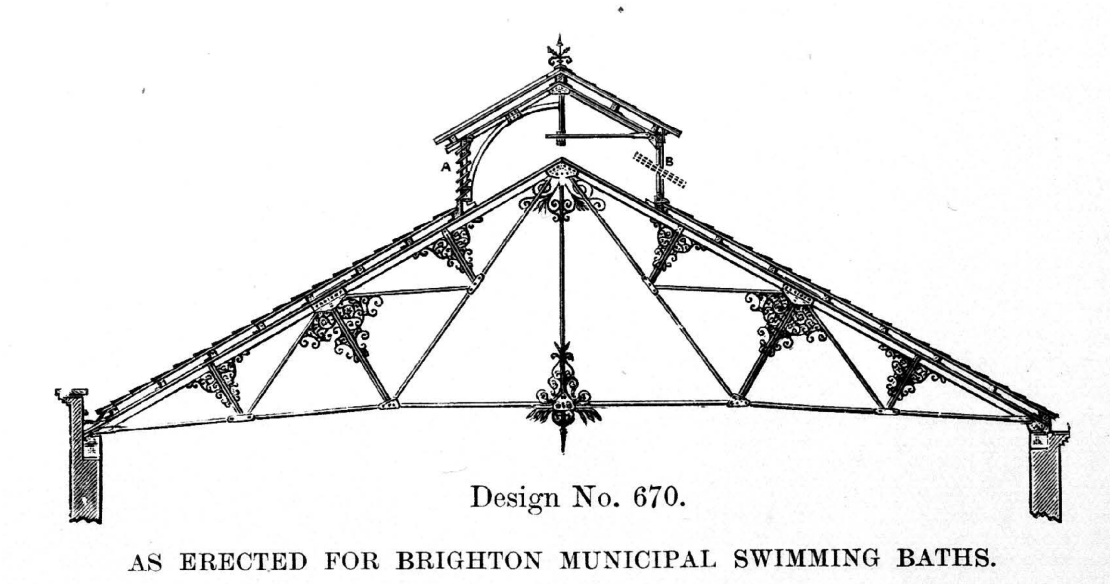


Fig.221: A & J Main 1890 Catalogue
(From D Mitchell collection)

Complete buildings are shown for agricultural purposes – cattle feeding and hay sheds particularly, with costs for extensions based on the modular design of the buildings.

Examples are given of complete buildings for use as Drill Halls, warehouses, and for the colonies Design No 2111; 'The Tea Factory', and Design No 3034; 'Gold Mining facility'.

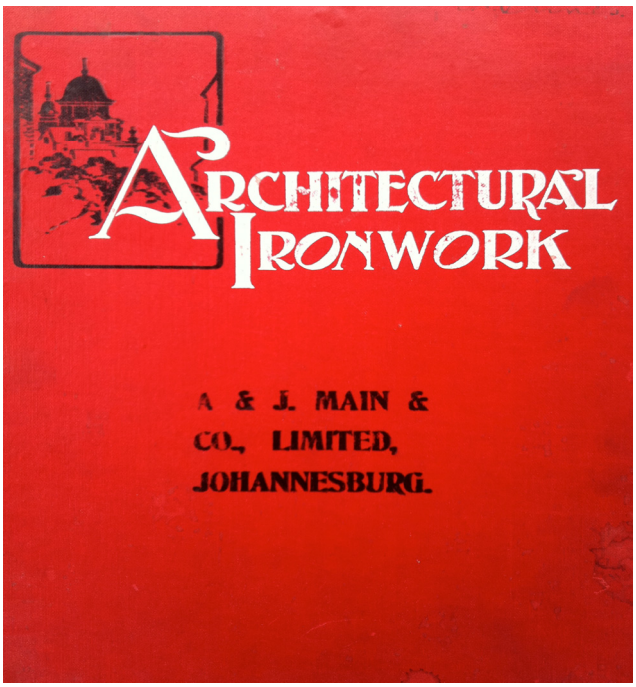
Railway applications are illustrated including iron roofs and canopies for stations at Jarrow on Tyne, and New Bridge Street Station in Newcastle (overleaf).

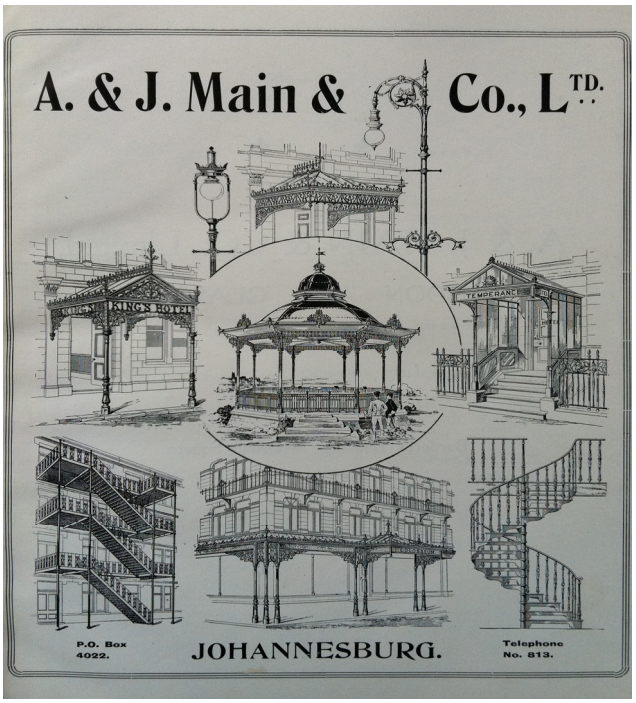


Fig.222: New Bridge Station, Newcastle,
A & J Main Catalogue 1890
(From D Mitchell collection)

A number of stock bridges are also shown in the catalogue.

A catalogue sourced from the South African branch in Johannesburg[5] is designed and presented quite differently from their normal output.





Figs.223&224: Trade Catalogue of A & J Main & Co Ltd (Johannesburg) 1910
(From D Mitchell collection)

The catalogue looks and feels like a catalogue from one of the major architectural iron founders, and has a standard range of

components like railings, gates, lamps, cresting etc. It is very clearly pitched as contemporary and has a very Edwardian look in presentation and ironwork design. This is perhaps the most art nouveau catalogue of any of the Scottish firms.

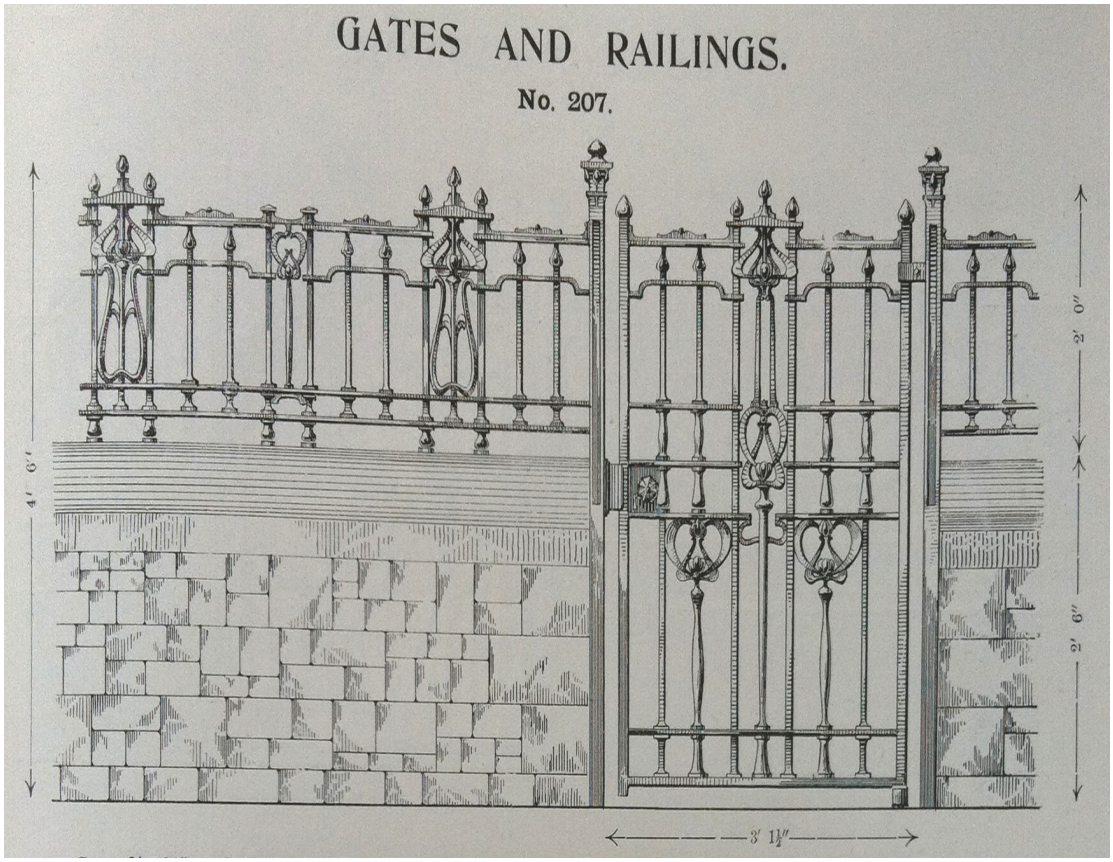


Fig.225: Trade Catalogue of A & J Main & Co Ltd (Johannesburg) 1910 (From D Mitchell collection)

It also illustrates three models of bandstand. It is not know if these are conjectural as none have been located to date. These are very much traditional in design and could compare to the work of any of the other manufacturers in Scotland.



Fig.226: Trade Catalogue of A & J Main & Co Ltd (Johannesburg) 1910 (From D Mitchell collection)

The firm increasingly moved towards more structural and civil engineering projects including bridges and large industrial infrastructure. A notable project in 1915 was the design and build of a 700 foot airship hanger at Cardington in Bedford.[6]



Fig.227: Cardington Airship Hanger on Left, 1915 (Image courtesy of The Airship Heritage Trust)

References

1 Handwritten memoir of A & J Main history in Possilpark Library, undated
2 Archive of miscellaneous business papers TD 143, Glasgow Libraries, Possilpark Library, undated
3 *The Times*, 5/7/1919
4 Airship Heritage Trust (correspondence), 2008
5 A & J Main, *General Catalogue*, Glasgow, 1890
6 A & J Main (Johannesburg) Ltd, *General Catalogue*, 1910

3.2 McDowall Steven & Co, Milton Ironworks



Fig.48: McDowall Steven & Co Logo
(The Scottish Iron Foundation)

McDowall Steven were perhaps the first of the major architectural iron founders to develop in Glasgow. Their longevity was only superseded by Carron.

The origins of McDowall Steven & Co lie with John McDowall who was involved with James Edington in the development of the Eagle Foundry. James Edington was son of Thomas Edington formerly of Carron and then Phoenix Foundry in Glasgow.[1]

According to the Post Office Directories, McDowall was indeed involved at Eagle Foundry but his name does not appear until 1832-33. The Eagle Foundry is first mentioned in the Post Office Directories for 1820-22, but only under Edington. James Edington had gone bankrupt around 1838,[2] and by the time of the 1835-36 edition, McDowall has set up as 'McDowall and Robertson, Milton Foundry, Port Dundas'. The foundation of the firm claimed later in their trade catalogues is 1834 and this would correlate with this information.

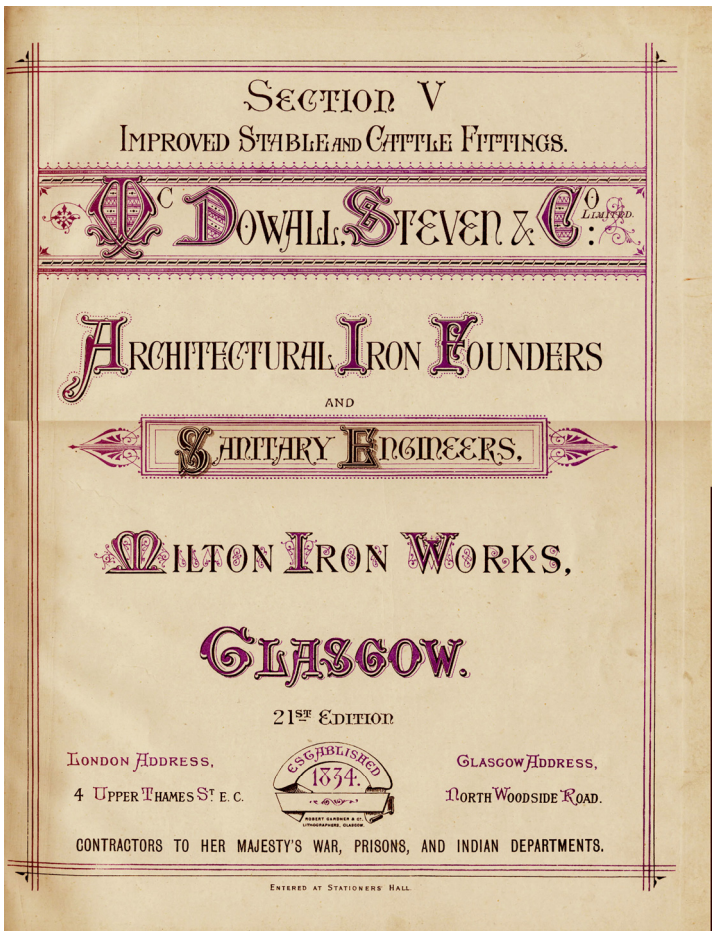


Fig.49: Inside Cover of 21st Edition Catalogue, Undated

Both Edington and McDowall had departed Eagle in this period; the 1839 Post Office Directory has the Eagle Foundry entry under John & Ebenezer Crawford.

In *Glasgow of Today,*[3] an account of the firm is given as a prominent engineering concern, advising that McDowall set up under the name McDowall and Robertson in 1834, and carried on under this designation until 1852 when he assumed Thomas Steven, his nephew as a partner, the name changing to McDowall & Co.

According to the Post Office Directories, the designation of the company changes to McDowall & Co in 1844-45 and the first mention of Thomas Steven in connection with the Milton Foundry, is

in 1845-46. From a court action of 1866-67, Thomas Steven implies that he became a partner between 1850 and 1852.[4]

While it is remotely possible that McDowall did briefly occupy another foundry site, it now seems more likely that what became the Corn Street location was the origin of his own enterprise.

The first cartographic evidence we have of McDowall's foundry comes from a map of 1839 by David Smith and James Collie. The building is located on part of the same site that the firm occupied till the move to North Woodside in 1857-60.[5]

A false impression that the works might have moved in 1845 may be given by the fact that a Corn Street address is given in the Post Office Directory for the first time. A more likely explanation is that the foundry did not have a Corn Street frontage until about then, or that Corn Street had not yet been named. The building on the 1839 map has a mill lade (fed from the Forth and Clyde Canal, Glasgow Branch) running between it and Corn Street. By the time of the OS map of 1857, the lade had probably been culverted (since a section of it appears to the West?) and the works buildings extended to front Corn Street. The larger scale map[6] shows a warehouse fronting Corn Street. Warehouse and office accommodation were often found together and the company address would be for the offices.

1857-58 saw major changes, McDowall & Co include North Woodside Road, as well as Corn Street, in their address for the first time. Thomas Steven moves to Eastwoodside House, near the new foundry site. In 1858-59, the North Woodside address is given first implying that it has become the primary works.[7]

The area covered by the works is detailed in four separate sasines, 13-6-1857 and 20-8-1857 in favour of John McDowall and Hugh Steven; 21-4-1865 and 16-8-1865 in favour of Thomas, James and Hugh Steven.[8] These sasines still have to be seen and may shed a little more light. The site at North Woodside already had an existing iron foundry, The Eastwoodside, according to the 1857-58 map.[9] How long this had been there is unknown.

By 1860-61, only North Woodside is mentioned, indicating that the old Corn Street Foundry had been vacated. Ironically it was taken over by the Phoenix Foundry. In that same edition the name of Hugh Steven, in relationship to the Milton Foundry, appears for the first time. His home address is given as 26 Richmond Street.

Around 1861 Hugh and James Steven were assumed as partners[10] and certainly John McDowall had lent each £7,000, presumably to buy into the company, before his death that year.[11]

However, while Hugh is mentioned in connection with the company from 1860-61 in the Post Office Directories, James does not appear until 1863-64. The addresses given in the latter year are:[12]

Hugh Steven, 181 Shaftesbury Terrace, Pitt Street
James Steven, 99 Hill Street, Garnethill
Thomas Steven, Rowanbrae, Helensburgh

John McDowall died on 9 September 1861, in Stranraer, and the inventory of his personal effects and assets, gave his worth as £63,645/3/11d with his stake in the firm at just over £15,000.[13]

It would appear very likely that the death of John McDowall triggered the change of name to McDowall Steven & Co. The Steven brothers would have acknowledged the value of McDowall's name in the marketplace while being keen to advertise themselves.

Early in 1862 there was a tragic incident at the new works. A moulder, going to retrieve some items he had left in a drying stove overnight, discovered the body of a young lad who worked with the company. Apparently the boy, who had started his shift around 5am had entered the stove, presumably to heat himself up since it was a March morning. Either by accident or absent mindedness the small wicket door had become closed and could only be opened from the outside.[14]

In 1867 the courts revisited an action of the previous year pursued by Thomas Steven against John McDowall's trustees. Steven claimed that McDowall had 'appropriated a large amount of the company funds to his own use' between 1850 and 1861, when the present company was formed, and that McDowall had fraudulently obtained his signature (Steven's) on a balance sheet of the affairs of the old company. No change appears to have been made to the original verdict in favour of the defenders (McDowall's trustees).[15]

James Steven must have died (just possibly retired) around 1871, there is no mention of him in the 1871-72 Post Office Directory or thereafter.



Fig.50: OS 1:2500, 1857-58

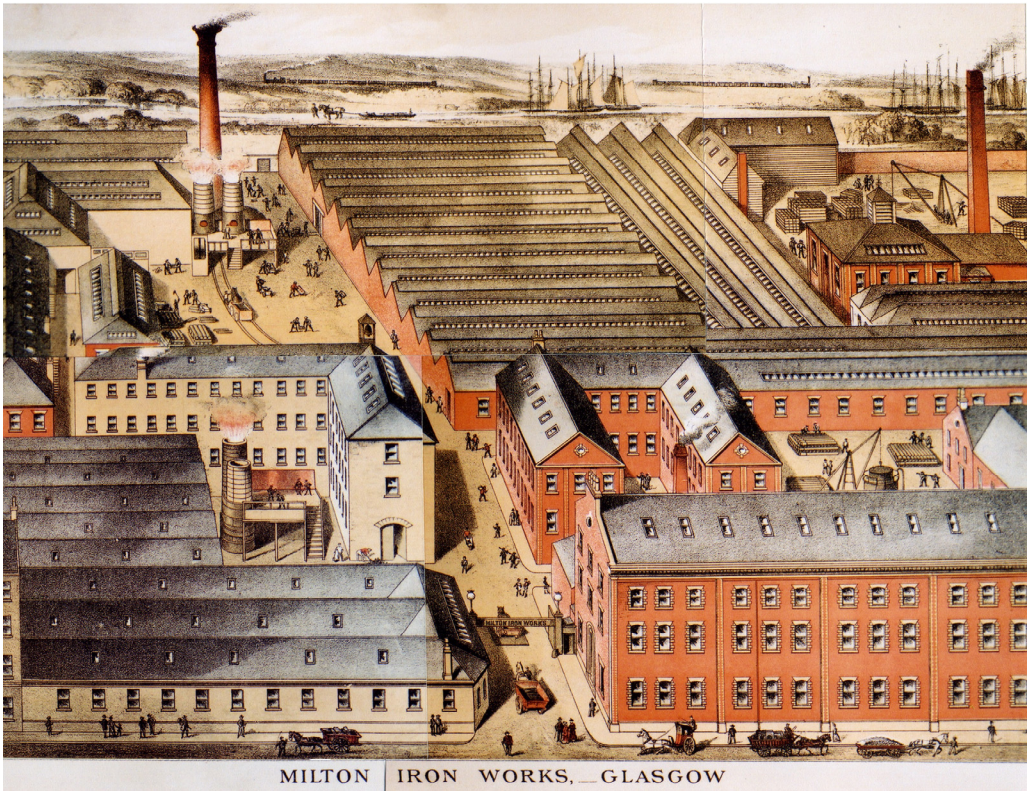


Fig.51: Milton Ironworks c.1880 from Trade Catalogue

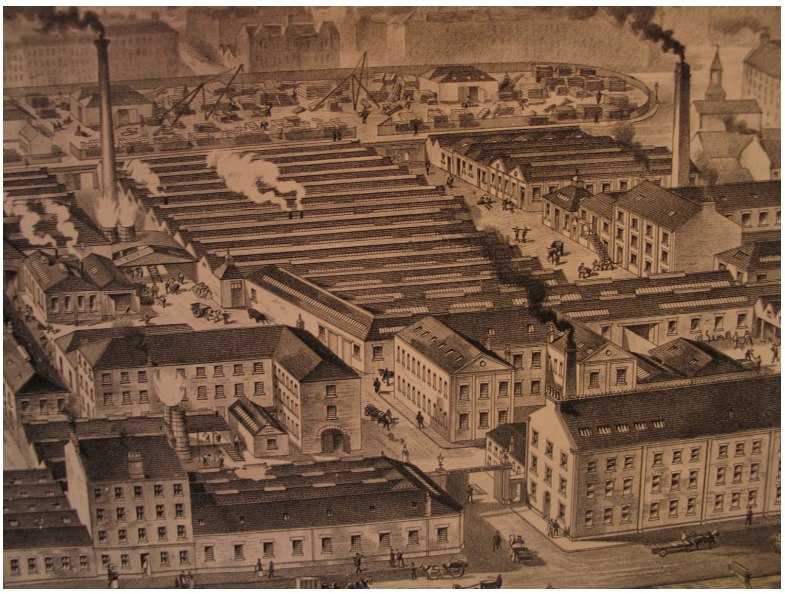


Fig.52: Milton Ironworks
Note Extent of Moulding SShops
(Ridge and Furrow Roofs)
(Trade Catalogue of McDowall Steven c.1878)

The new North Woodside complex was of large scale, between nine and ten acres:[16]

'closely set with block after block and row after row of buildings of various forms and style.'

Glasgow of Today contained the following description of products:

'Kitchen ranges and all kinds of register stoves, Galton grates, and hot air, slow combustion, and Gill stoves; rain water pipes, gutters, ridging, cresting, lip and curb plates, weather vanes, finials; hot water pipes, coils, valves; stable and cow house fittings; balcony and tomb railings, gates, verandahs, band stands, straight and spiral staircases, lamp pillars, and every description of architectural and constructional ironwork, whether in plain or highly ornamental designs, pumps, fountains, kitchen sinks, baths, water and dry closets and sanitary appliances of every kind; furnace pans, dust bins, and all classes of general castings, large and small, for any of the thousand-and-one uses and purposes to which cast-iron in various forms is today applied.'[17]

The floor area of the moulding shops alone was between two and three acres. One hundred tons of iron was melted daily and about one thousand men were employed at the works. During 1887 the works had turned out over 10,000 kitchen ranges and the output of pipes and fittings for hot and rain water work was currently (1888) about 25,000 per week.[18]

At this time, McDowall, Steven & Co:

'were large contractors to the War, India and Prisons departments, to the Admiralty, The School Board of London, the Metropolitan Board of Works and to the Corporation of the City of London, the Metropolitan Fire Brigade, and a number of the leading railways.'[19]

The London outlet at 4 Upper Thames Street, just opposite *The Times* Office, consisted of a large well-stocked warehouse. All the products on offer there were made in Glasgow. Oddly the firm operated as Steven Bros and Co in England – this was purely a trading name and was not a distinct company.

McDowall Steven & Co was incorporated as a limited company on 21 February 1894. The capital was £200,000, 4,000 preference shares and 16,000 ordinary at £10 each. The obligatory minimum of seven shareholders and their holdings by 27 June 1894 were:

Thomas Steven	8999
Hugh Steven	6799
William Smith, Manager, Milton Iron Works	100
Alex Ritchie, Manager, London	100
Thomas Steven Jnr	1000
Alexander William Steven	1000
John Hugh Steven	200

The company address was 142 North Woodside Road, Glasgow, and the solicitors Dixon, Erskine & Grieve, 151 St Vincent Street, Glasgow.[20]

Over the next three years more shares were taken up, particularly by members of the Steven family. By December 1897 the following had been added to the list overleaf; Alexander Kay Steven, Mrs Christina Steven (wife of Thomas), Mrs Helen Primrose McIntosh, Mrs Margaret McDowall Wie, Miss Christina Steven, Miss Jane Agnes Steven, Miss Grace Marion Steven and Miss Annie Steven.[21]

Thomas Steven, principal partner of McDowall Steven & Co, died on 27 November 1895 aged 78. He died in the Glenburn Hydropathic, Rothesay, having been there several months convalescing but was never well enough to return home to Ardlui House. Thomas was an ex-provost of Helensburgh and a Justice of the Peace for the county. He was survived by his wife and a grown-up family of sons and daughters.[22]

A fire in the oil, paint and general store at the Milton Foundry in 1897 partially destroyed a two-storey building along with a quantity of stores. The damage was assessed at fully £500.[23]

As of 8 April 1901, the directors of McDowall Steven & Co Ltd comprised:[24]

Hugh Steven, Westwood, Kelvinside
Thomas Steven (formerly Junior), 2 Beauly Terrace, Glasgow
Alexander William Steven, Bourtree, Helensburgh
John Hugh Steven, Beechcroft, Stirling
Alexander Kay Steven, Westmount, Kelvinside

Alex Ritchie, 4 Upper Thames Street, London (Iron Foundry Manager)

In November 1901, J D Duckett was added to the list of directors but by November 1903 only Thomas Steven, A W Steven (Managing Director), J H Steven and A K Steven (London) are mentioned.[25]

McDowall Steven & Co purchased the Laurieston Iron works in Falkirk for £41,000 on 31 December 1903. Messrs McKillop were allotted 4,100 shares 'for a consideration other than cash.'[26] On 13 May 1904 a special resolution was passed to raise the capital of the company from £200,000 to £250,000, no doubt to fund the acquisition of the Laurieston works.

The directors of the enlarged firm were given on 6 January 1905 as:[27]

Thomas Steven, 4 West Castle Road, Edinburgh
Alexander William Steven, Milton Iron works
John Hugh Steven, Milton Iron Works
Alexander Kay Steven, 4 Upper Thames Street, London
Adam Nimmo McKillop, Polmont Park, Stirlingshire
James McKillop Jnr, Polmont Park, Stirlingshire

The address of A W Steven is given as Milton Ironworks in January 1905 but had moved to Redding House, Polmont Station by November 1905. This suggests that Laurieston was rapidly replacing the Milton Iron Works as the focus of the business. McKillop Jnr resigned in 1906 and by November 1907 the board is back to just the four Stevens. J H Steven is given as Milton Ironworks, indicating

some continuing activity there and A K Steven is given again as London.[28]

In November 1907 a statement is made on the annual return that the company is a private company with no more than 50 shareholders and no invitation to be made to the public to subscribe at any time. This presumably is to make sure the company remains in Steven hands and they can hand pick who they wish to have as shareholders.[29]

By February 1912 the registered office of the company is Laurieston Iron Works, Falkirk.

In 1914 there was an application to reduce the nominal capital of the company from £250,000 to £132,400. The petition remarked that there had been losses of c.£70,000 over several years:

'A few years ago the works were entirely transferred to Falkirk and the Glasgow subjects so far as not sold have to a large extent been let. The value of the Glasgow works has fallen, machinery is not now required and parts of patterns and plant have fallen in value owing to changes of fashion and trade customs.'[30]

In 1921, not long before the shares were transferred to Light Castings Ltd, the list of other companies of which the directors of McDowall Steven & Co were also directors, was as follows:

Alexander William Steven
Light Castings Ltd, 7 Norfolk Street, Manchester
Barclay Sons & Co, 142 St Vincent Street, Glasgow
The United Foundry Co Ltd
The Eastern Light Castings Ltd

The Falkirk District Iron Founders Insurance Co Ltd, Newmarket Street, Falkirk
The Foundry Plant and Machinery Ltd, 28 Royal Exchange Square, Glasgow

Thomas Steven
Light Castings Co Ltd
Barclay Sons & Co

John Hugh Steven
Light Castings Ltd

Alexander Kay Steven
Light Castings Ltd

On 7 March 1922, most of the shares were transferred to Light Castings Ltd, Corporation Road, Audenshaw. The four Stevens retained only 1,000 shares each and Light Castings acquired 4,000 preference and 74,937 ordinary (at £1 each). However, the Stevens remained as directors, and the name carried on, although this was the end of McDowall Steven & Co as an independent company.[31]

In 1929 Allied Iron Founders was formed from Light Castings Ltd, and A W Steven is described as a director of Allied Iron Founders.[32]

As of 14 June 1939, the Board of Directors is given as follows:[33]

Howard John Kennard, The Haining, Polmont (The Falkirk Iron Company)
William Hogg Smith, Polmont House (Callander Abbots Foundry Company)

A K Steven, Bordyke End, Ironbridge
A W Steven, Polmont Bank (Allied Iron Founders)
Guy Saville Steven, Southfield, Digswell, Welwyn, Herts (Works Manager, Welwyn Foundry Co)
J H Steven – resigned

A declaration of solvency (winding-up) was issued on 15 November 1963 and the company was wound up on 2 December 1963.[34]

Projects and Manufactures

Milton had focused on domestic ranges early in their career and this was to be a mainstay of work for 129 years in business. Comprising cookers, heating equipment, mantel registers, baths, stable fittings and rain and soil water goods, like most Scottish architectural iron founders this was bread and butter work.

Following the tradition, their general catalogue illustrates the range of their products (Figure 53).

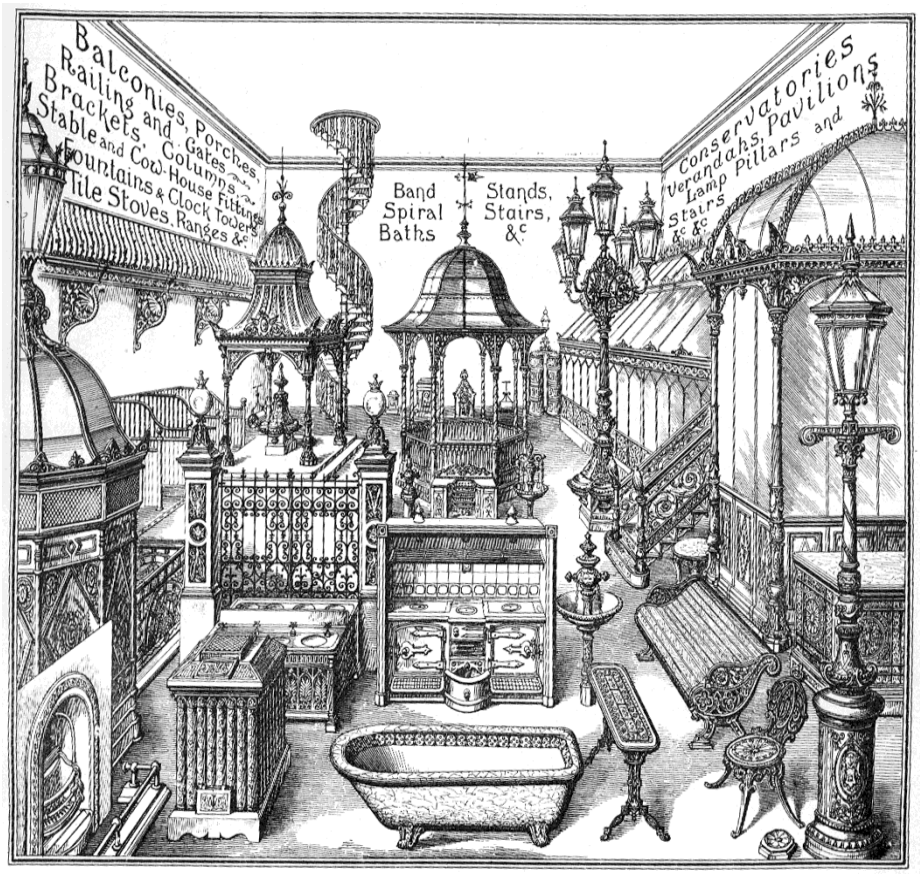


Fig.53: Page from General Catalogue, Milton Ironworks (From D Mitchell collection)

Perhaps because McDowall Steven were already in the market place when firms such as Saracen and Sun set up they do not have the major architectural profile that the others do, but they were reasonably prolific across a number of areas, and some of the structures they created were of the highest quality. They had fewer high profile projects and commissions than the other Scottish firms, but there are a number of note.

Unlike some of the other firms their products can be obscurely marked although this seemed to change as the 19th century progressed. The 'house style' is distinctive - it is much more restrained than Sun Foundry or even Saracen, but is well designed

and almost always beautifully executed. The quality of casting in Milton castings is of high quality.

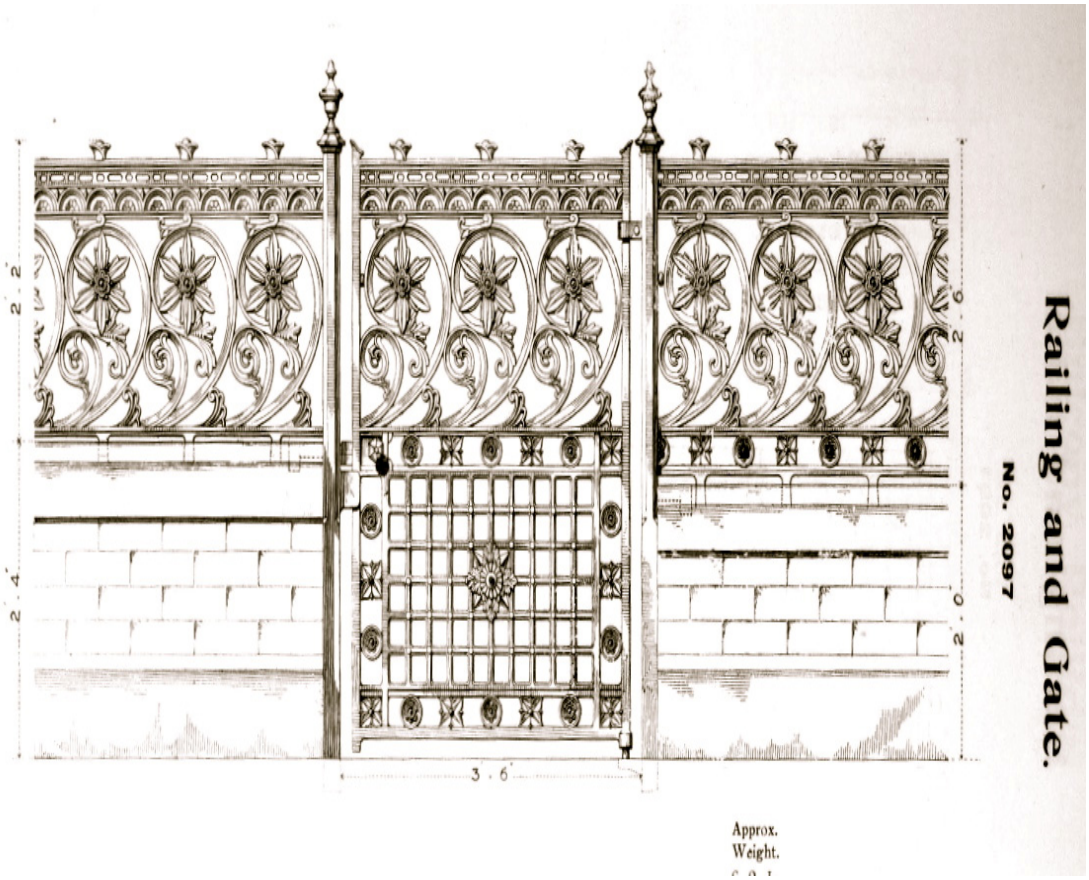


Fig.54: Railing and Gate Design
(McDowall Steven & Co, Undated)

Domestic wares were important products. The Glasgow iron founders tended to do much less of this type of work – particularly stoves, and this was much more a Falkirk tradition arising from Carron. With Carron and the famous Bonnybridge Foundry of Smith and Wellstood and Lane and Girvan, Milton were leaders in this area. Their product range was extensive and they had an eye to the export market, producing catalogues specifically for that purpose.



Fig.55: Ventilation Covers, Kelvingrove, Glasgow (Photograph by D Mitchell 2009)

Fountains

Milton manufactured a number of ornamental spray fountains including some notable examples, their drinking fountains are found less, but nevertheless have a distinctive style.

Their most celebrated work was sadly demolished. In April 1888 an article in *The Scotsman* referred to the presentation of two fountains to the City of Glasgow; a terracotta fountain from Doulton & Co and an iron one from McDowall Steven & Co. They had been exhibited at the Glasgow International Exhibition where Milton also supplied seating.[35]



Fig.56: Fountain from 1888 International Exhibition in Cathedral Square
(Image courtesy of Glasgow City Council)

In August 1890, the two fountains from the 1888 International Exhibition were re-located, The Doulton one to Glasgow Green and the McDowall Steven one to Cathedral Square. Comprehensive descriptions of both were made. The McDowall Steven fountain was described as follows:

'This fountain is of the spray type and is over twenty feet in height. The ground basin is over twenty-eight and a half feet in diameter, and above it at different heights on the shaft are three other basins of smaller dimensions. Springing from the uppermost basin is a ball terminal surmounted with the figure of an otter and a fish in its mouth. The ornamentation over the whole structure is illustrative of marine life, vegetable and animal. In the fountain there are in all about 100 jets.'

Hugh Steven made the presentation on behalf of the firm;[36] the fountain was sadly demolished in the late 1950s.

A similar fountain was ordered and installed in Biggar for Queen Victoria's Jubilee in 1887 and is shown in the general catalogue dated around 1895.

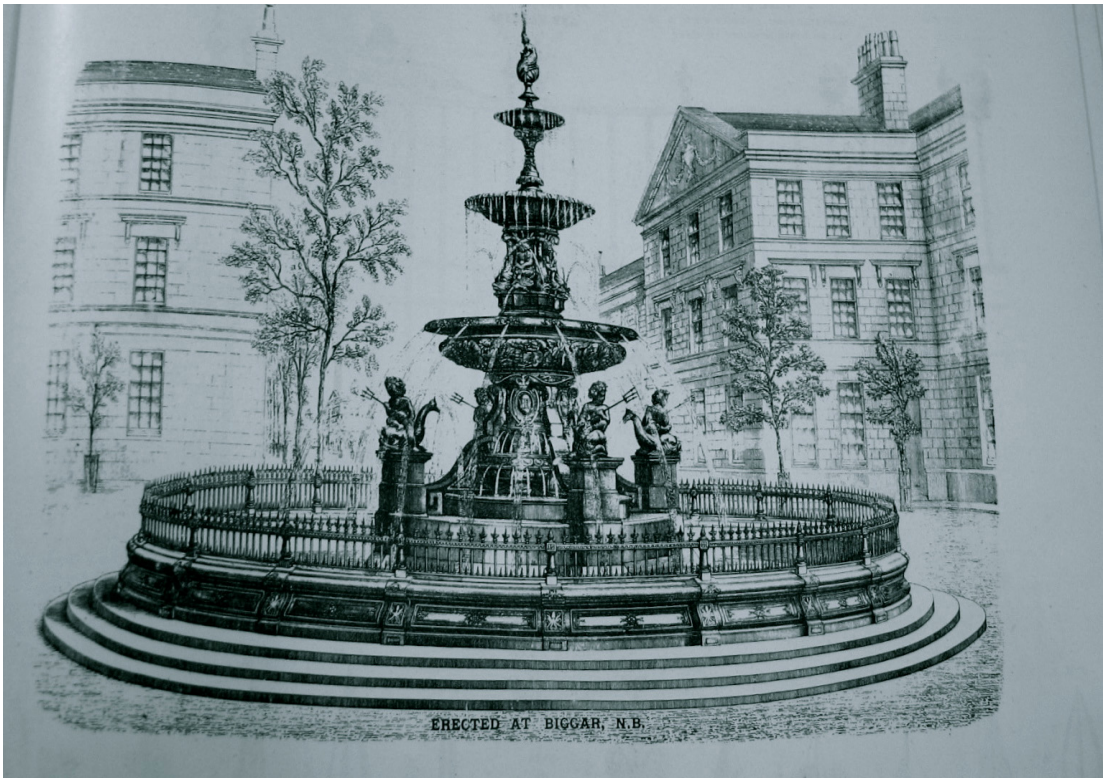


Fig.57: Biggar Fountain in 1887
(From McDowall Steven & Co Catalogue, c.1895)

The otter with fish on top of the globe is there, but the Biggar example has octopi cast into the surrounding basin. It was demolished in 1947. The otter motif is also found on examples in Penzance (Morrab Gardens) and Hawick (Wilton Lodge Park).[37]

As a resident of Ayrshire, Hugh Steven gifted a fountain to the town of Ayr which was turned on in 1892.[38] Like the Glasgow and Biggar examples this has nautical motifs cast into the structure.



Fig.58: Ayr Fountain Turned On, 1892
(RCAHMS)

The four drinking fountain canopies sited around the 1888 fountain follow the ideas of those made by Sun and Saracen but with an altogether different approach.

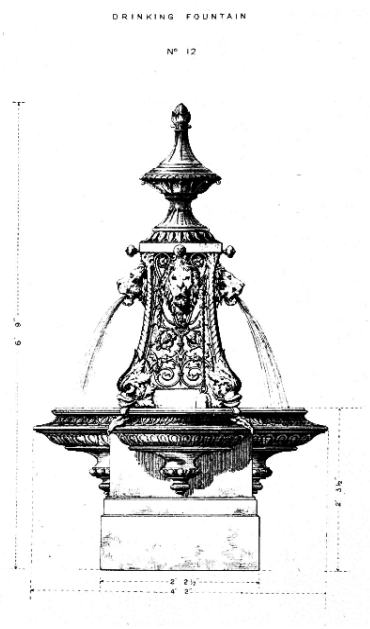




Figs.59&60: Drinking Fountain Canopy No 13 from 1888 Fountain and Subsequent Catalogue Detail
(From D Mitchell collection)

The four fountains formerly in Cathedral Square are the only known examples of this design. Another drinking fountain design does remain in limited quantities, with one in Kay Park, Kilmarnock and another in the Botanical Gardens, Adelaide.[39]







Figs.61,62&63: Kay Park (top), Catalogue Design (left) Adelaide (right)
(The Scottish Ironwork Foundation)

The Kay Park example sat beside a Coalbrookdale Bandstand and Fountain, both of which have been removed.

A spectacular variation of this fountain was situated in Leith Walk, around 1900, with five gas lanterns from a central pillar giving the entire structure a somewhat top heavy appearance. Milton also provided a range of tall lamp pillars throughout Leith, many of which remain in situ.[40]





Figs.64&65: Leith Walk, Edinburgh Example of Pattern No 62 (McDowall Steven Export Catalogue c.1895)

Bandstands

The 1880 example in Roker Park, Sunderland is the earliest known example of a Milton bandstand. Perhaps two of the most interesting are the Quarry Park bandstand in Shrewsbury (1879, enlarged 1887) and the West Park bandstand, Wolverhampton (1882, enlarged thereafter). At the core of both bandstands is Model No 1 (below).[41]





Figs.66&67: No 1 Bandstand from Catalogue Illustration and Original West Park Configuration

As can be seen from the illustration, the bandstand was elegant but of somewhat small proportions, so in both Wolverhampton and Shrewsbury, the Town Councils asked Milton to enlarge the bandstands, giving a rather strange but unique concentric set of outer columns.



Fig.68: Expanded Configuration, West Park
(Photograph by D Mitchell 1998)

Two international examples are known of, both Model No 5 examples - one in Youghal, Ireland, and in Bang Pa, Thailand, in the Royal Palace Gardens (1886). Installed in 1891, the bandstand supplied to Perth was very unusual in its design. Paid for by Pullars of Perth it was demolished in 1959.[42]



Fig.69: North Inch, Perth (1891)
(Courtesy of SCRAN)

Perhaps the grandest, and the only surviving Scottish example is that in Duthie Park, Aberdeen. Installed in 1893, this bandstand is massive in scale and assumingly due to its exposed location had a rolled iron roof. The quality of the castings seen up close is of the highest quality, particularly the gutter pediments.



Fig.70: Duthie Park, Aberdeen
(The Scottish Ironwork Foundation)

One of the particular qualities of Milton's work in this area is the quality of the roof designs. Rolling and shaping such roof structures is difficult to achieve and those executed by Milton are beautifully formed.

Clocktowers and Structures

Milton provided cast iron clocktowers to Mitcham (1898) and Harlesden (1887) both London and of the same design.[43]



Figs.71&72: Clocktowers in Mitcham (left) and Harlesden (right)
(The Scottish Ironwork Foundation)

Whilst the conservatory at Glasgow's People's Palace (1898) is attributed to Boyd of Paisley, a large proportion of the ironwork internally was made by Milton and clearly marked so. Boyd appear to have commissioned Milton to produce the cast iron elements.



Fig.73: People's Palace Conservatory (1898)
(Photograph by D Mitchell 2006)

Perhaps the prominent landmark work of the firm was the cast iron façade work to the Arrol bridge over Argyle Street in Glasgow by main contractors Motherwell Bridge and Engineering Co Ltd (1905).[44]

Known as the Hielanman's umbrella due to its use as a meeting place for the displaced highlanders at the end of the 19th century, this is the only known example of cast iron building construction undertaken by the firm. Vast cast iron pilasters with intricate details and Venetian style windows were restored in 1988.



Fig.74: Hielanman's Umbrella, Glasgow (1898)
(Photograph by D Mitchell 2002)

The quality and range of work from Milton Foundry is sufficient to identify them as one of the key Scottish architectural iron founders. Whilst they may have lacked some of the flamboyancy of the later entrants to the market place, their work was of high quality and restrained design.

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16 OS 1:2500, Lanark Sht VI.6 1857-8
17 *Glasgow of Today, The Metropolis of the North*, 1888, London, Historical Publishing Company
18 *Glasgow of Today, The Metropolis of the North*, 1888, London, Historical Publishing Company
19 *Glasgow of Today, The Metropolis of the North*, 1888, London, Historical Publishing Company
20 *Board of Trade papers*, National Archives of Scotland BT2/2628/3
21 *Board of Trade papers*, National Archives of Scotland BT2/2628/12 & 13
22 *The Scotsman* 28/11/1895
23 *The Scotsman* 21/5/1897
24 *Board of Trade papers*, National Archives of Scotland BT2/2628/17
25 *Board of Trade papers*, National Archives of Scotland BT2/2628/20
26 *Board of Trade papers*, National Archives of Scotland BT2/2628/25 & 26
27 *Board of Trade papers*, National Archives of Scotland BT2/2628/27
28 *Board of Trade papers*, National Archives of Scotland BT2/2628/33
29 *Board of Trade papers*, National Archives of Scotland BT2/2628/34

30 *Board of Trade papers*, National Archives of Scotland BT2/2628/45
31 *Board of Trade papers*, National Archives of Scotland BT2/2628/55
32 *Board of Trade papers*, National Archives of Scotland BT2/2628/64
33 *Board of Trade papers*, National Archives of Scotland BT2/2628/79
34 *Board of Trade papers*, National Archives of Scotland BT2/2628/117 & 118
35 *The Scotsman* 23/4/1888
36 *The Scotsman* 28/8/1890
37 *The Scottish Ironwork Foundation*
38 *The Scottish Ironwork Foundation*
39 *The Scottish Ironwork Foundation*
40 *The Scottish Ironwork Foundation*
41 *The Builder*, 1882
42 *The Scottish Ironwork Foundation*
43 *The Scottish Ironwork Foundation*
44 Williamson E, *Glasgow – Buildings of Scotland*, London, Yale, 1990

3.3 George Smith & Co, The Sun Foundry

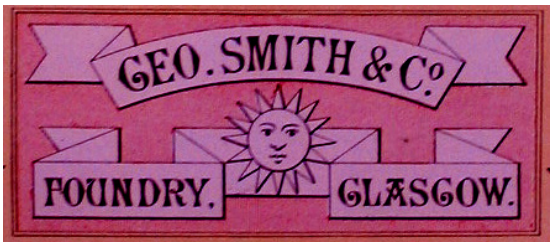


Fig.75: Logo from Catalogue, Undated

Founded in 1857, the Sun Foundry of George Smith & Co described themselves as architectural and artistic iron founders, and certainly focused at the more flamboyant and design-led end of the market. The firm was relatively short lived in its original form but the reputation of the firm was significant and George Smith himself an important figure in the industry.

Born in 1834 and the son of a patternmaker,[1] George Smith originally worked at the Saracen Foundry of Walter Macfarlane and Co, starting as a patternmaker and eventually being appointed as Foreman of the pattern shop – an important and influential position within the firm.[2] In his memoirs, Thomas Russell, one of the founding partners at Saracen notes his love of literature being nurtured by Smith, lending him volumes on a regular basis.[3]

In 1857 George Smith established the firm, Sun Foundry, with his brothers Gibson and Alexander and Alexander MacKenzie. The three Smith brothers were to be hands-on in the business and Mackenzie was to find money 'without interfering in the spending of it.'[4] This situation was to create problems some time later when MacKenzie died and a large part of the capital of the company was effectively owed to his estate. Initially the Smith brothers put in

£250 between them and MacKenzie £500 so, right from the start, there was an imbalance in the financial structure. They appear to have rented premises at 64 Port Dundas Road initially, adopting the name Sun Foundry.

Saracen were perhaps less than enthusiastic about their former colleague starting up in direct competition. In 1859 Walter Macfarlane and Co raised an action of suspension and interdict against George Smith and Co, asserting that Sun had contravened a Saracen Patent of 1857 relating to 'improvements in moulding or manufacturing cast iron pipes'[5] and that Smith had acquired this knowledge during his time with Saracen, used it to commercial gain, and advertised the fact. Smith argued that the techniques were widely known and the Saracen claim fell, not before the Lord President admonished Smith for his behaviour;

'The trial had lasted for six days in consequence of the way the respondent (Smith) had conducted it. It needn't have lasted more than one day. The patentee (Saracen) had therefore been put to great and unnecessary expense.'[6]

Smith had taken the opportunity to raise a number of other grievances against Saracen during the trial suggesting some broader acrimony between the two parties.

He married Ellen Jemima Young at St Georges in the Fields, daughter of a Shettleston Farmer. By 1867 the staff numbers had grown significantly, it being noted that 700 were present at the third annual 'Sun Foundry Soiree' in the Queens Halls for tea and dancing with George Smith in the chair.[8]

The need for expansion was evident in 1867 when the commission to build a large ornamental spray fountain for Paisley was received and there was no room at Port Dundas due to other projects ongoing. Space had to be rented beside the firm's 'show yard' on the corner of Hope Street and Bothwell Street where passers by were able to see the large fountain being constructed.[9]

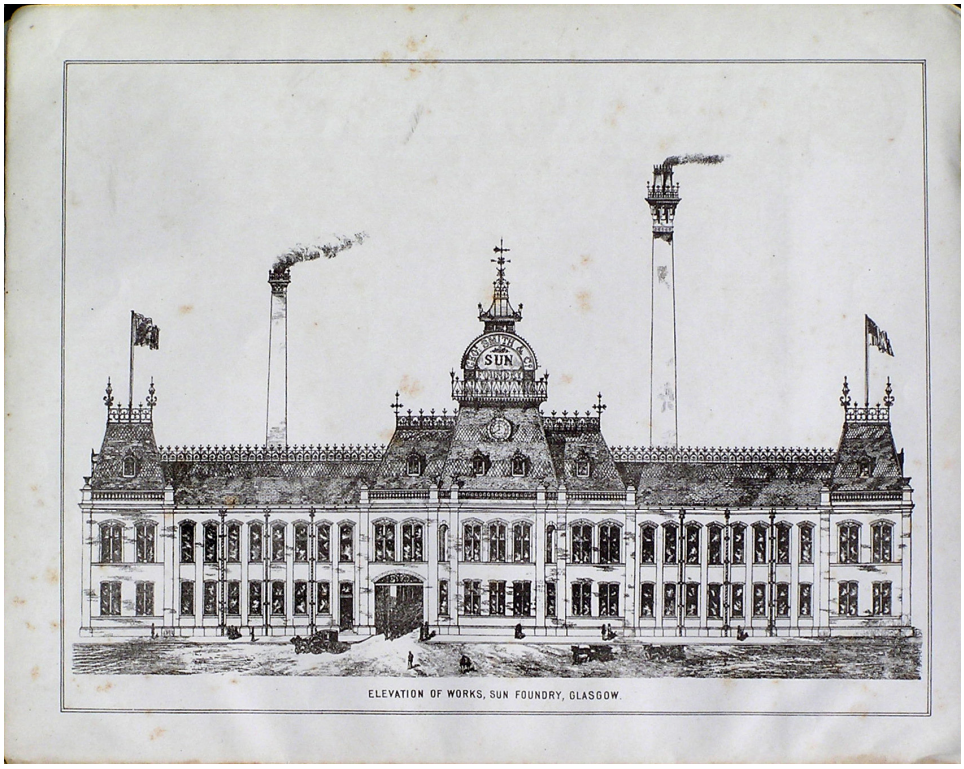


Fig.76: Kennedy Street Sun Foundry, Front Elevation (Taken from Trade Catalogue, c.1890)

A new foundry was built on a green-field site at Kennedy Street/North Wallace Street in 1870-71. The cost was approximately £21,000 and, as had become the norm, MacKenzie had provided most of the funding, increasing the company's indebtedness to him. A serious accident was recorded at the Kennedy Street site in September 1871, when a labourer fell into a furnace he was coaling. This indicates that the new foundry was in production at this time.[11]

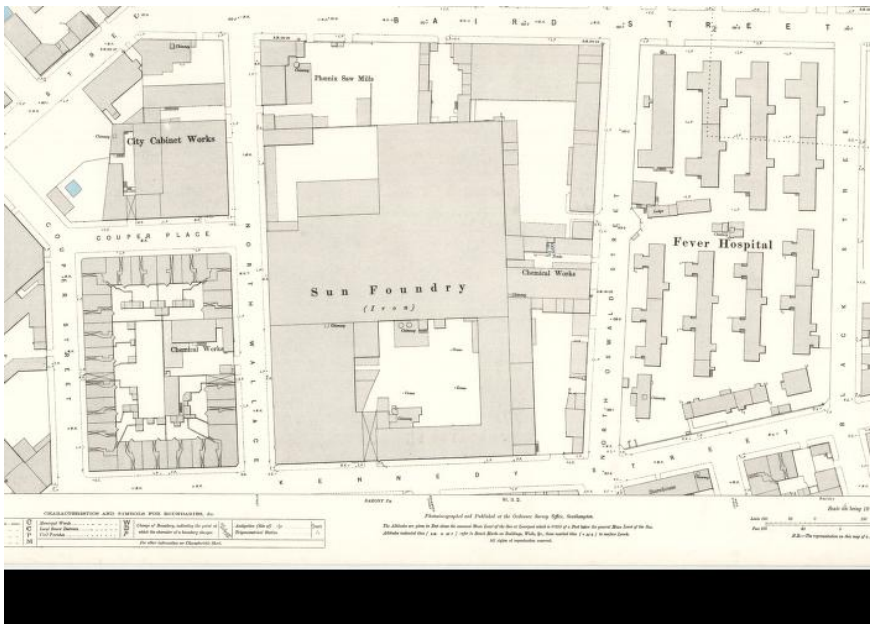


Fig.77: 1892 Ordnance Survey Plan of Sun Foundry, Kennedy Street

The foundry appears to have run with two cupola furnaces as identified in both the plan and the illustration of the foundry itself. The building was adorned with the products of the firm.

When MacKenzie died in 1875, his share in the business was £47,358. George Smith had £15,000 and Gibson £7,800 standing to their credit at this time but most of the business was now owned by MacKenzie's estate.[12] The address for the new site is often given as Parliamentary Road, which runs parallel to Kennedy Street, one block to the south. Perhaps the offices were located there at first or the address was more recognisable.

As a result of the indebtedness to MacKenzie, the two remaining partners, George and Gibson Smith granted a bond over the Sun Foundry to the trustees of Mackenzie's estate. This situation proved satisfactory for both sides till 1878 and substantial payments were made to the trustees.

A fire broke out at the Kennedy Street Foundry in October 1877, but it was quickly extinguished by the Central Fire Brigade. Damage was estimated at £400, covered by insurance.[13]

The relationship with MacKenzie's trustees however changed with the collapse of the City of Glasgow Bank in October 1878 and, since the bank was not a limited company, the shareholders were collectively liable for the losses.[14] The collapse of the bank was disastrous for Scottish business, particularly in the Glasgow area, taking over £5 million out of the economy. Calls on shareholders, depending on their ability to pay, reached at least £2,750 per £100 share.[15] Despite helpful actions by other Scottish banks and an appeal fund, around 1,000 of the 1,272 shareholders were ruined and the fallout from the collapse lasted many years.

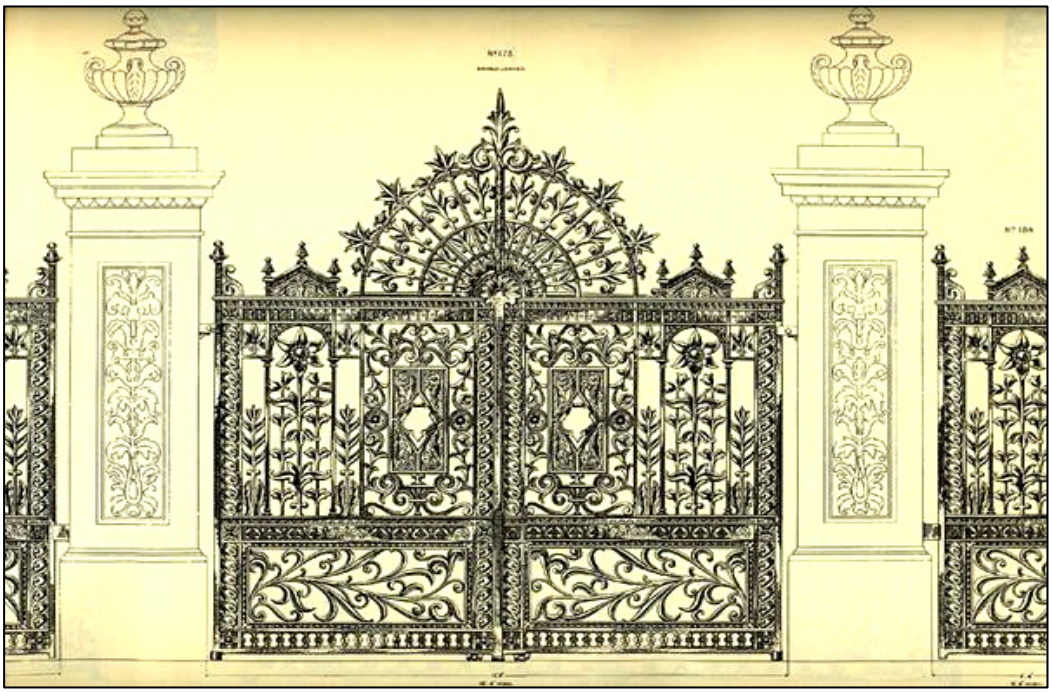


Fig.78: Gate Design from 1880s Sun Foundry Catalogue

In his 1883 sequestration, George Smith had cited the collapse of the bank as causing the company to suffer but neither he or Gibson appear on the list of shareholders. His comment is therefore probably related to the drop-off in trade.[16] In the light of this situation, Mackenzie's trustees agreed to accept smaller payments for the time being. In 1880, Angus Macleod, who had been employed as a Commercial Manager, was assumed as a Director and Partner and he put £2,000 into the business.[17]

Pressure from Mackenzie's trustees increased in the early 1880s and George Smith decided to apply for sequestration in 1883. However, he had dissolved the partnership just before this allowing MacLeod to carry on running the business. Asked by the court why he did this, he replied that he thought MacKenzie's trustees were about to call for sequestration of the actual firm.[18]

During the sequestration examination, George Smith claimed that he had paid Mackenzie's trustees over £30,000 since the latter's death. Notwithstanding this, the court heard that the amount due to the trustees at 31 July 1878, shortly before the collapse of the Glasgow Bank, had been £32,437 and as of January 19 1883 it was £32,681, indicating that it had not been reduced.[19]

The period between the sequestration of 1883 and the end of 1886 is one of confusion and of obvious ongoing financial problems for the Smiths. It seems that Mackenzie's trustees assigned the remaining shortfall from the 1875 bond to The National Bank of Scotland in 1883.[20] The Smiths and Angus MacLeod continued the business, but the latter retired in 1885 leaving the two brothers in charge once more.

In 1887, Gibson Craig Smith appeared yet again in the bankruptcy court, stating that he had been discharged in 1883 and had remained with George Smith & Co till October 1886 when the current sequestration was initiated. Interestingly, he commented that when MacLeod had retired in 1885, two new partners were assumed who contributed between £3,000 and £4,000.[21]

Although they are not named in this account, it would appear that they could have been David Prentice Menzies and George Whitehall. In a sasine of early 1887 (recording an action of December 1886) the Smiths dispone the foundry to Menzies and Whitehall.[22] This would appear to be the last involvement of George and Gibson Craig Smith in the Sun Foundry, Glasgow. When the company was dissolved in October 1886, Gibson and George Smith had both retired with £900.[23]

The name of the firm would be used for another 12 years by other parties, which has hitherto been a source of some confusion in attributing designs and commissions.

Menzies and Whitehall's time at the Sun foundry lasted only until September 1887 when they in turn sold it on to Gavin Bell Millar and his sister Jessie (Irvine then Hargrove).[24]

John Bell Millar, his sister Mrs Hargrove and two others (not named) formed a co-partnery in September 1887 and leased the Sun Foundry.[25] This arrangement does seem a little odd considering that Jessie Bell Millar (Hargrove) was already a part owner and was effectively leasing it to herself.

After this co-partnery was dissolved the subject (the Sun Foundry) was let to successive partnerships, all of which included J B Millar, until 1892. From 1892 until Whitsunday 1894, John Bell Millar was the sole partner. A sasine of late 1891 notes that in an extract of testament dated 26/11/1890, Gavin Bell Millar appoints Jessie, his sister, as executrix over his affairs.[26] Gavin must have died soon after since by February 1892, Jessie had inherited Gavin's half share and therefore now owned all of Sun Foundry.[27]

As has already been mentioned, Sun Foundry continued to be operated under the designation George Smith and Company. Despite the fact that the Smiths no longer had any connection with it, J B Millar and his various partners continued to use the names to benefit from the commercial reputation of the original firm. Business seems to have prospered for a while after Millar took over and in June 1890 it was reported that three large contracts of theirs for cast-iron work had been accepted:

'The contracts, besides keeping their workers employed for some time, will be advantageous to the shipping interests, as one contract is from South Africa, another from the Straits Settlements [Malaya], and the third from India.'[28]

For reasons as yet unknown, Mrs Hargrove (Jessie Bell Millar) put the foundry up for sale in April 1894:

'Presently let to George Smith & Company, with the Fixed Machinery, Plant, Patterns etc therein, which belong to the Proprietrix, the grounds extending to above 18000 Squ Yds.'[29]

James Cowan, contractor, bought the Kennedy Street Site on 16 April 1894 and between then and Whitsunday 1894 (expiry of Millar's lease term), Millar was Cowan's tenant. An acrimonious

situation was to arise between the two which would rumble on for the next three years and lead to the bankruptcy of J B Millar.[30]

Millar leased some ground at Clippens near Linwood and built a new foundry during 1894.[31] However, he continued to use the old company name, George Smith & Co, Sun Foundry, Glasgow, and on 6 December 1894, J B Millar had the firm incorporated as a limited company, still under the George Smith name.[32] The official paperwork concerning the incorporation cited the object as follows:

'to purchase and acquire the business of George Smith & Co, Iron founders, Sun Foundry, Glasgow and London.'

This was to be inclusive of property, plant, stock-in-trade etc. The range of business activities of the firm was listed as follows:

'Merchants
Manufacturers
Traders in Metals and Minerals
Founders of and workers in iron, steel, brass, copper, tin, lead, zinc and other minerals
Engineers
Smiths
Japanners
Electroplaters
Enamellers
Bridge builders
Makers of:
- Architectural and Structural metalwork
- Electric fittings and appliances
- Gas fittings and appliances
- Hydraulic and hydrostatic fittings and appliances
- Pneumatic and hydrostatic fittings and appliances
- Sanitary and hydrostatic fittings and appliances
- Water and hydrostatic fittings and appliances.'

The nominal capital of the company was to be £50,000, 5,000 £10 shares (2,000 preference and 3,000 ordinary). By April 1895 all

2,000 preference shares and 906 ordinary had been taken up, the shareholders were listed as follows:

John Bell Millar, iron founder, of Glasgow	2,000
James Steel Millar, iron founder, of Cove, Dumbarton	201
Robert Millar, iron founder, of Clippens, Linwood	301
William Millar, iron founder, of Clippens, Linwood	201
James Steel of Blairmore, Argyll	1
William Whitton of Linwood	1
W Borland of Glasgow	1

James, Robert and William Millar were all sons of John and James Steel was his father-in-law. The registered office was 26 Robertson Street, Glasgow. Limited companies were obliged to have at least seven shareholders under the terms of the 1862 Companies Act. In September 1896 the preference shares were converted to ordinary.[33] As already mentioned, the relationship between Millar and Cowan deteriorated rapidly very soon after Cowan's purchase of the Kennedy Street site in April 1894.

There were two main areas of dispute. Firstly, Cowan objected to Millar's continued use of the Sun Foundry name and in particular, the reference to Glasgow. Cowan believed that the designation, 'Sun Foundry, Glasgow', rightly belonged to him and that Millar's continued usage might compromise his business.[34]

Secondly, under the terms of the lease of which Millar rented the Kennedy Street site, he was obliged to leave the premises as he had found them, including all the movables, especially the patterns. Millar appears to have taken a substantial percentage of these, indeed the majority, to Clippens. Cowan took Millar to court

on both counts and a series of hearings resulted, reported in detail in *The Scotsman*.

With respect to the use of the Sun Foundry name, Millar's argument was that he had carried on the business under that name for many years and that he had acquired the sole right to its use. Cowan's argument was originally rejected in March 1895 under Lord Kyllachy, but that decision was overturned in June 1895 under appeal. Millar was interdicted against using the precise term 'Sun Foundry, Glasgow' and Cowan was awarded expenses.[35]

Cowan had claimed that he had intended to use the Kennedy Street site as an iron foundry himself and stated that the lack of patterns had stopped him doing so and had cost him c£5,000. In June 1896, Lord Kyllachy gave decree for £3,050 against Millar for a shortfall in patterns when he had vacated the Kennedy Street site at Whitsunday 1894.[36] Millar appealed against the damages in January 1897, but neither side could come up with a coherent list of what should be there.[37] The patterns from the original firm were of course the essence of the business itself. The quality of design and manufacture of Sun Foundry work was of the highest standard, and these patterns would allow the continued manufacture of the full product range. The patterns remained at Clippens and in use.

Success at Clippens was short-lived, Millar was sequestrated in June, and an EGM on 19 February 1897 resolved:

'That it has been proved in the satisfaction of the Company that it cannot, by reasons of its liabilities, continue its business, and that it is advisable to wind up the same, and that the same be wound up accordingly.' [38]

In July 1897, the works at Clippens were advertised for sale at an upset price of £10,000. On 20 September 1897, 'Consent to take the name of an existing company' was granted, freeing Thomas Donaldson to use the Sun Foundry name for his own short-lived incumbency, and the final phase of the Sun Foundry.[39]

This company was incorporated on 5 October 1897 under the name George Smith and Company, Glasgow and Clippens Ltd.[40] Thomas Donaldson of Heathfield, Kilcreggan and Hector Grant, Engineer, of Dean House, Lenzie, were the Managing Directors and the Trustee was Robert Gray Ross, writer in Glasgow.[41]

They had purchased the company from the liquidator of the business for £7,000 and included the works at Clippens and all its contents. They paid James Cowan, the current owner of the old Kennedy Street site, £125 for the right to use the Sun Foundry name. However this sum would be refunded if Cowan obtained an equivalent amount from the sequestrated estate of John Bell Millar.[42]

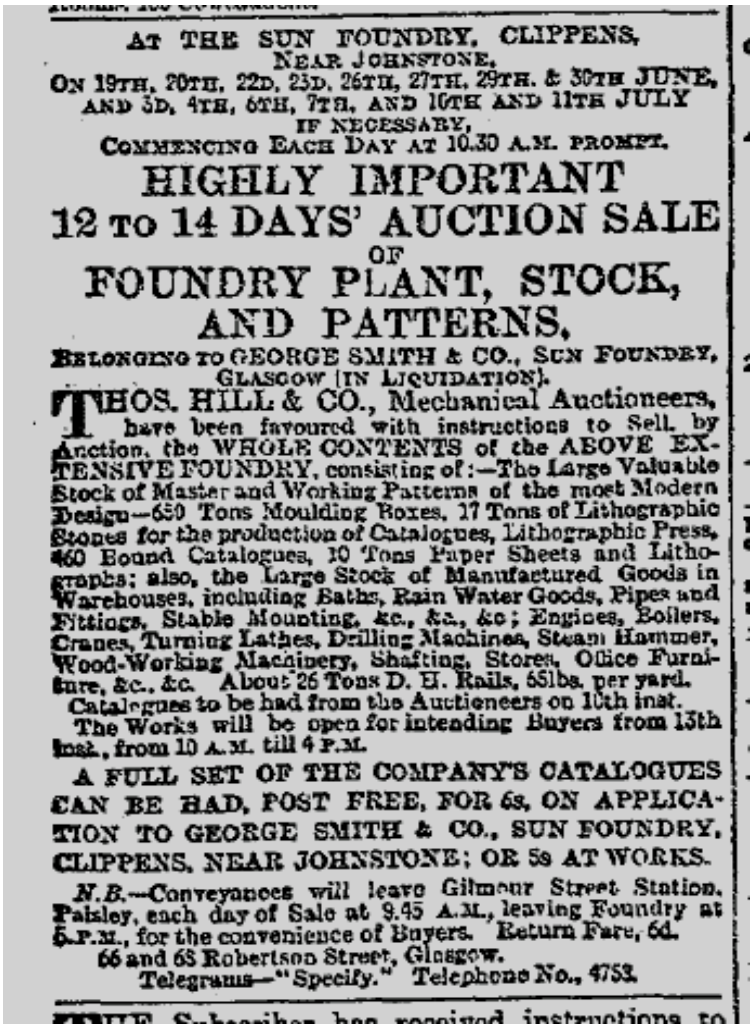
The minute of agreement included the following description of the Clippens contents viz:

'The patterns, catalogues, price lists, litho stones, plant machinery (including engine, boiler, shafting etc) cupolas, benches, hoist, saws and tools, the whole stock at manufacture and generally everything in the works at Clippens as at 16th August 1897.'

Donaldson and Grant were to be Managing Directors for three years from the registration of the company at a salary of £350 per annum each, payable monthly or half yearly as they wished.[43]

By February 1898, the take up of shares was 750 ordinary and 602 preference, i.e. 1,352 out of a possible 2,000. The shareholders included Robert Michael Donaldson of the Clyde Ironworks, Tollcross, by this time a significant player in the iron industry in Scotland.[44] The business did not prosper and on 7 April 1899, a special meeting resolved the winding up of the company.[45]

In June 1899 the contents of the Foundry were being sold off. Particularly interesting is the extensive equipment and tooling for the production of the catalogues.



AT THE SUN FOUNDRY, CLIPPENS,
NEAR JOHNSTONE,
ON 19TH, 20TH, 22D, 23D, 26TH, 27TH, 29TH, & 30TH JUNE,
AND 3D, 4TH, 6TH, 7TH, AND 10TH AND 11TH JULY
IF NECESSARY,
COMMENCING EACH DAY AT 10.30 A.M. PROMPT.

HIGHLY IMPORTANT
12 TO 14 DAYS' AUCTION SALE
OF
FOUNDRY PLANT, STOCK,
AND PATTERNS,

BELONGING TO GEORGE SMITH & CO., SUN FOUNDRY, GLASGOW (IN LIQUIDATION).

THOS. HILL & CO., Mechanical Auctioneers, have been favoured with instructions to Sell, by Auction, the WHOLE CONTENTS of the ABOVE EXTENSIVE FOUNDRY, consisting of:—The Large Valuable Stock of Master and Working Patterns of the most Modern Design—650 Tons Moulding Boxes, 17 Tons of Lithographic Stones for the production of Catalogues, Lithographic Press, 460 Bound Catalogues, 10 Tons Paper Sheets and Lithographs; also, the Large Stock of Manufactured Goods in Warehouses, including Baths, Rain Water Goods, Pipes and Fittings, Stable Mounting, &c., &c., &c; Engines, Boilers, Cranes, Turning Lathes, Drilling Machines, Steam Hammer, Wood-Working Machinery, Shafting, Stores, Office Furniture, &c., &c. About 26 Tons D. H. Rails, 65lbs. per yard.

Catalogues to be had from the Auctioneers on 10th inst.

The Works will be open for intending Buyers from 13th inst., from 10 A.M. till 4 P.M.

A FULL SET OF THE COMPANY'S CATALOGUES CAN BE HAD, POST FREE, FOR 6s, ON APPLICATION TO GEORGE SMITH & CO., SUN FOUNDRY, CLIPPENS, NEAR JOHNSTONE; OR 5s AT WORKS.

N.B.—Conveyances will leave Gilmour Street Station, Paisley, each day of Sale at 9.45 A.M., leaving Foundry at 5 P.M., for the convenience of Buyers. Return Fare, 6d.

66 and 68 Robertson Street, Glasgow.
Telegrams—"Specify." Telephone No., 4753.

Fig.79: Auction Sale – Plant, Stocks & Patterns, Glasgow Herald, 12.6.1899

George Smith & Co, Sun Foundry, Alloa

Following his 'retirement' from the Glasgow venture, George Smith re-located to Alloa and set up there, either in late 1886 or early 1887. He appears to have set up the Alloa concern with at least one other partner. Calling themselves George Smith & Company of the Sun Foundry, Alloa, they occupied the former Albion Foundry at Kelliebank.[46] This foundry had been erected by Andrew McLaren & Co in 1867 and operated until 1878 when it failed.

McLaren appears to have been successful and highly thought of, inviting a full page of comment in *Griffiths' Guide to the Iron Trade of Great Britain* in 1872:

'The Albion Iron Works are noted for their stoves and ranges, high class register-stoves, and grates of all kinds, of the newest patterns and useful construction. Ornamental and plain park railings, altar railings, balconettes, stair balusters, pilasters, columns and verandahs, including a very large variety of chairs, flower stands, tables and fountains, and all kinds of graceful and elegantly constructed garden work, all kinds of rainwater connections, hot water pipes and gas pipes.'

The benefits to George Smith would be that the foundry was largely set up for architectural work and process, and that there would potentially be useful skilled hands available in the area given its proximity to the clutch of Falkirk iron founders.

In April 1889, *The Alloa Journal* devoted most of a column to George Smith's new venture under the heading 'Our Local Industries'. Smith had apparently taken over the old Albion Foundry site in March 1887.[47]

Reporters from *The Alloa Journal* were given a conducted tour of the site which covered between three and four acres. This piece gives a valuable insight as to the works and products of the new firm. Descriptions are given of the various elements of the works, Pattern Room, Moulding Shop, Enamelling Shop, Fitting Shop, Blacksmith's Shop and Warehouse. It was noted that;

'Of the general excellence of the work produced there can be no doubt, and we are satisfied that the work done by the Sun Foundry only requires to be more widely known in order that the firm may become still more prosperous in the future.'[48]

The article advises that two cupolas are in use, melting ten tons of iron per day with casting taking place in the afternoon each day. Sixty moulders were employed in the manufacture of:

'rainwater goods, railings, gates, lamp pillars, pavement light frames, urinals, stable and byre fittings, verandahs etc.'[49]

Despite the optimism portrayed in this piece of 1887, in 1889 *The Scotsman* carried a short reference to the sequestration of George Smith and Company of the Sun Foundry, Alloa:

'The statement of affairs showed liabilities of £4,083 9s 8d and the assets £3,006 17s 6d – deficiency of £1,076 11s 10d.'[50]

It appears that with this event, his personal involvement with the Sun Foundry terminated about the time of this sequestration, aged 65. In December 1889 George Smith was taken to court by a Thomas Pym Mannock of London for a commission payment of £300 due to him when he secured a 'Partner' for George Smith for his firm. Smith denies responsibility saying Mannock failed to find a partner able to put £3,000-4,000 into the firm, and in any case

had been declared bankrupt.[51] What happened to George Smith thereafter is not known.

The company name is amended to the Alloa Iron Company around then and a change of ownership is witnessed by a letter to the editor of *The Alloa Journal* in May 1890:

'Sir – Your issue 17th inst, contained a report of the annual meeting of subscribers to this institution [County Hospital] at which a letter was read from Messrs Hill Bros, of the Sun Foundry, stating that their workmen had declined to subscribe…'[52]

The survival of any records from this period at Alloa is unlikely since:

'On Saturday morning the offices and pattern shop at The Alloa Iron Company's Works at Kelliebank were destroyed by fire, the loss, which includes all the books and many valuable patterns, being estimated at £1,000.'[53]

Fortunately a small catalogue and price list, dated 1898, of the Alloa Iron Company's products survives and interestingly shows a No 2 Bandstand which looks particularly Sun Foundry derived.[54]

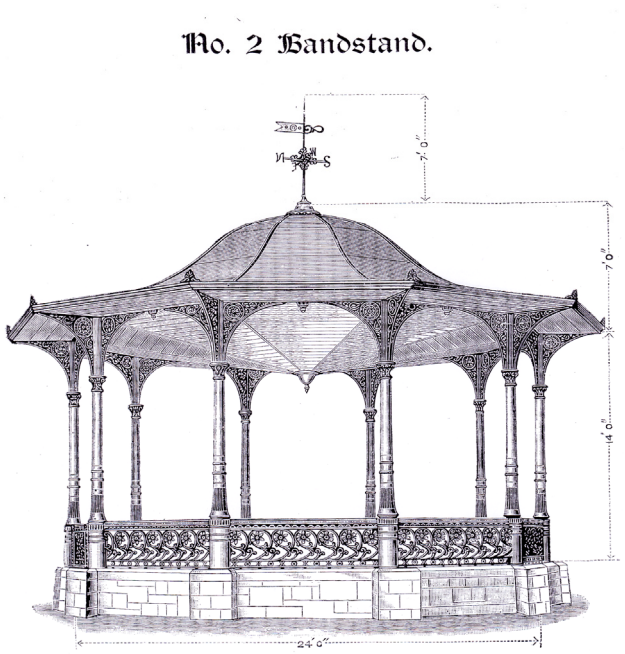


Fig.80: Extract from Alloa Catalogue 1898 (The Scottish Ironwork Foundation)

In January 1906, one of the partners at the Sun Foundry, Alloa, is described as a Mr Forbes.

On 8 February 1908, *The Scotsman* carried an advert for the sale of the Alloa Iron Company's foundry and contents[55] followed by an auction a month later of Architectural and General Iron Founders Plant which is advertised under The Alloa Iron Company (In liquidation).[56]

Contribution of the Sun Foundry

The key influence and best work of the firm was in its initial incarnation under the direction of George Smith himself. It is not clear what his relationship with Walter Macfarlane had been when he was the Foreman Patternmaker at Saracen, but out of all the Scottish architectural iron founders of this phase both led on pushing design and decorative ornament. The physical

manifestation of his eye for design and detail borne from his training is evident in Sun Foundry structures, where the execution and quality of the Paisley Fountain easily matches, and possibly surpasses, that of Saracen at this time.

During the boom period in the latter half of the 19th century, like other firms Sun Foundry propagated a number of individuals who in turn departed and established other ventures.

George Smith's brother Alexander Smith left the Sun Foundry and founded Star Foundry in Kirkintilloch in May 1863.[57] They specialised in rainwater goods and pipes, and were taken over by Cameron & Roberton in 1867 following sequestration[58] to become the prolific Southbank Foundry. Cameron & Roberton existed until 1981 when the Southbank Foundry was closed.

Thomas Hudson, one of the founders of the Lion Foundry in Kirkintilloch worked at the Sun Foundry and then Saracen before setting up in 1880. The influence of his experience with both firms is apparent in the work of the Lion Foundry thereafter.[59]

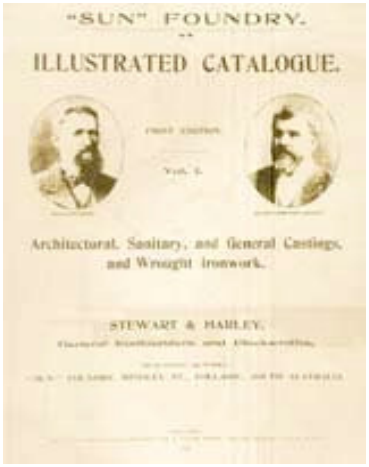


Fig.81: Trade Catalogue of Stewart & Harley, Sun Foundry, Adelaide

Colin Stewart left Glasgow and his position in the Sun Foundry to travel to Australia. It seems likely that Stewart bought out the Fulton Foundry in Adelaide, and with a Mr Harley established the Sun Foundry of Stewart and Harley around 1867. AC Harley bought out Harley and Stewart in 1910, but retained the foundry name, becoming Forwood Down & Co Ltd in 1924. It is not known if this was undertaken with the blessing of George Smith & Co, but the Stewart and Harley catalogue is littered with the Glasgow foundry's designs. It was not uncommon for imported Scottish ironwork to be shipped to Australia and then be copied, often quite blatantly, by local firms.[60]

The establishment of the Rising Sun Foundry in Shettleston, Glasgow by George Smith Jnr around 1886-7 is an interesting event. It is likely that George and Gibson Smith were behind this new venture, but given the proximity to events of the bankruptcy hearing in the same year it was to be fronted by George Smith Jnr. The firm however was titled George Smith Jnr and Co indicating the reputation of the firm was worth playing on in commercial terms. George Smith Jnr had been a clerk at £3 per week in the Sun Foundry and was sole partner in the new firm. Gibson was unable to tell the bankruptcy court where his nephew had got the money to set up and somewhat irked, denied that he had sold a considerable amount of household furniture for that purpose.[61]

The firm itself was not particularly prolific with the only known examples of their work being fairly utilitarian gate piers (Stirling and Glasgow).

Robert Cruikshank, Foreman at Sun Foundry, left in 1870 to establish the iron founders of Cruikshank and Co in Denny and lasted well into the 20th century. This may explain the rather odd

assembly at Govan Cross where a drinking fountain and canopy has some distinctly Sun Foundry elements.[62]

Projects & Manufactures

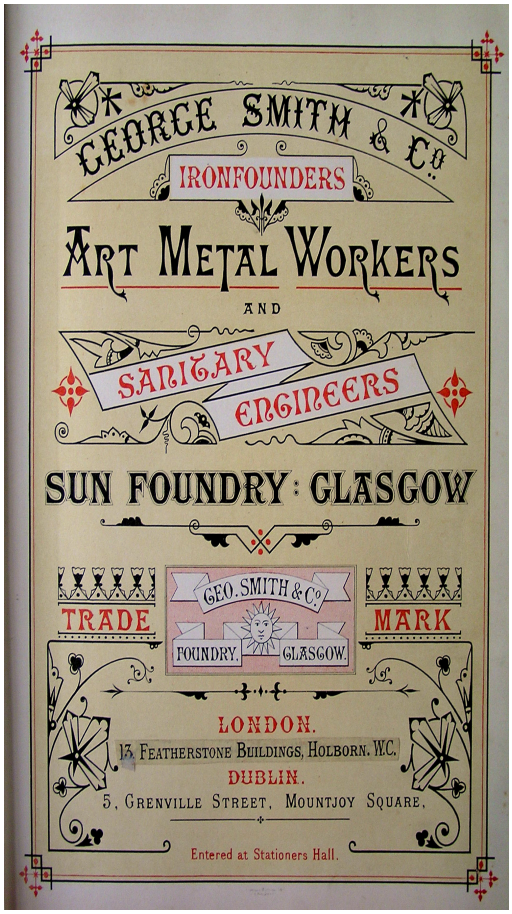


Fig.82: Trade Catalogue of George Smith & Co, Undated (Courtesy of Andrew Laing)

Sun Foundry manufactured broadly the same range as other Scottish architectural iron founders of the period, and the few remaining examples of their catalogues illustrate fairly standard fare of gates, railings, bandstands, lamp pillars, fountains etc. The diversity and range coupled with the quality of design was exemplary and to rival Saracen. Unlike Saracen, what is less clear is that the structures shown in the catalogue were actually manufactured and supplied. Certainly a great many were, but the survival rate of features is much less than that of Saracen. This may of course be down to sheer volume and scale of production, but it does seem that Sun Foundry were fairly presentation heavy.

The use of catalogues to demonstrate the range of the firm's products was clearly seen as important, and as with the other key manufacturers this medium was used to maximum effect. Few catalogues survive from Sun Foundry – around six known examples at best, but these do offer an insight into the quality and aspirations of the firm.





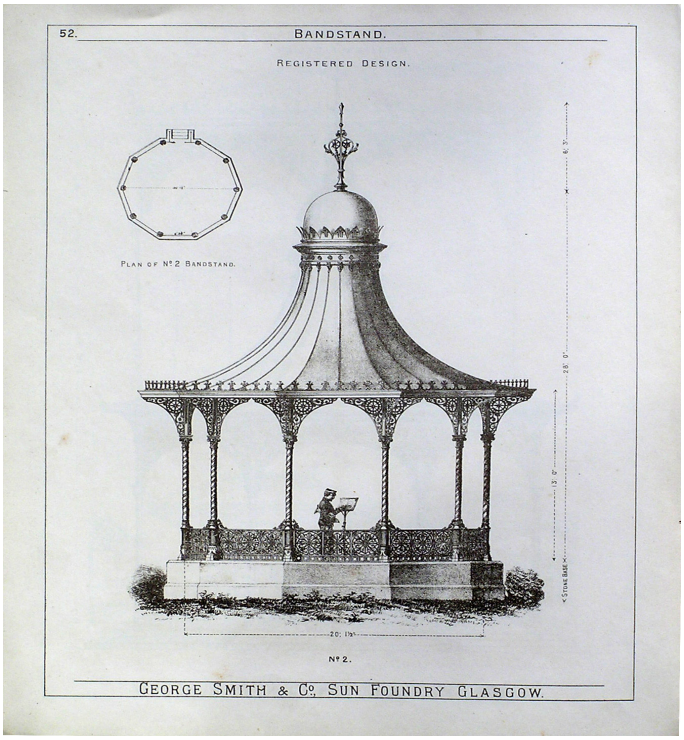
Figs.83&84: External & Internal Catalogue Cover of George Smith & Co, Undated (Courtesy of Ironbridge Archives)

Bandstands

There are around 10 known examples of bandstands manufactured by the Sun Foundry if we include the Bridgeton Cross shelter in Glasgow. Examples in Leazes Park, Newcastle (replicated recently) and Union Terrace in Aberdeen, and Princes Street Gardens have all been lost.[63] Examples in Nairn, Bath, Wigan and Hamilton Park in Bermuda remain extant and have been recently restored. In 1890 *The Glasgow Herald* notes that whilst there is a general scarcity of orders amongst the Glasgow architectural foundries;

'The Sun Foundry has received the bulk of the orders for structural ornamental ironwork in the city. This firm has received the order for the Wigan Corporation bandstand, The Keighly bandstand, the Darwen large iron fountain (over 40ft high), the two Kingston corporation bandstands and the Belfast Corporation fountain.' [64]





Figs.85&86: Bandstand No 1 and No 2 George Smith & Co, Sun Foundry (Courtesy Andrew Laing)





Figs.87&88: Aberdeen Bandstand, Demolished 1921 (top) Newcastle Bandstand, Demolished and Rebuilt 2003 (below) (Courtesy of The Scottish Ironwork Foundation)

The design and execution of these bandstands follows a fairly typical model of largely cast iron - wrought iron – (steel) construction with timber ceilings and joists.

Of particular interest is the Sun Foundry bandstand found in Hamilton Park, Bermuda, the only known exported example from the firm.

The Jubilee of 1887 prompted the Town Council of Hamilton to erect a bandstand as a fitting memorial and in the autumn of 1887 Mr Alex Pratt, Clerk of Works at Trinity Church, made a visit to Glasgow at the request of Mayor Tucker whilst on holiday in Scotland. It is not noted which other firms he visited, but a design from the firm of George Smith and Co, Sun Foundry was unanimously agreed upon and an order placed early in 1888. Unusually for an account of this type, no purchase price is given (the usual price range being between £200-£400 based on design in this period). It is however noted that 'exceptionally favourable terms' were agreed:

'indeed a few years ago the whole cost completed would not have paid the first charge at the Foundry Gates'.[65]

In September of 1887 the firm had been sold from Menzies and Whitehall to Gavin Bell Millar and his sister Jessie.[66] The Corporation of Bermuda realised the benefit of a firm in a precarious position.

The account notes the works were completed in November 1888 and was shipped from London on the Steamer SS Eagle to Bermuda consigned for W T James. The load was landed at Hamilton in December 1888, the consignment being listed as;[67]

- 8 Columns
- 16 Beams
- 1 Rod
- 6 Bundles
- 1 Ring
- 29 Cases

It is interesting that the structure was prefabricated and shipped to Bermuda without the supply of skilled labour to erect it. It was not

unusual for the large firms to ship such a structure complete with specialised staff to complete the project. The bandstand was instead erected, presumably with construction drawings, by a local team led by a blacksmith.[68]

This bandstand exemplifies the quality and detail of the Sun Foundry design. It follows the same constructional principles of many other Scottish bandstands of a tie rod suspension system and timber joists radiating from a central cast iron 'spider'. However, the structural ironwork which supports the massive cast iron fascia is well detailed, and was prefabricated in the foundry, as evident by the construction marks on the ironwork. One of the most unusual features of the structure is that it is entirely hot dip galvanised. Galvanising structural ironwork was not too unusual at this date, but this is the only known example of the technique employed in 19th century decorative ironwork. It is unusual in that respect, but also that whilst it is technically feasible to galvanise cast iron, it is rarely done.



Fig.89: Sun Foundry Bandstand Cupola, Bermuda, 2007 (Photograph by D Mitchell)

The logic for this and the use of galvanised corrugated iron on the roof rather than zinc sheet as commonly used was to offer a degree of hurricane protection and resistance to corrosion from the high relative humidity levels.

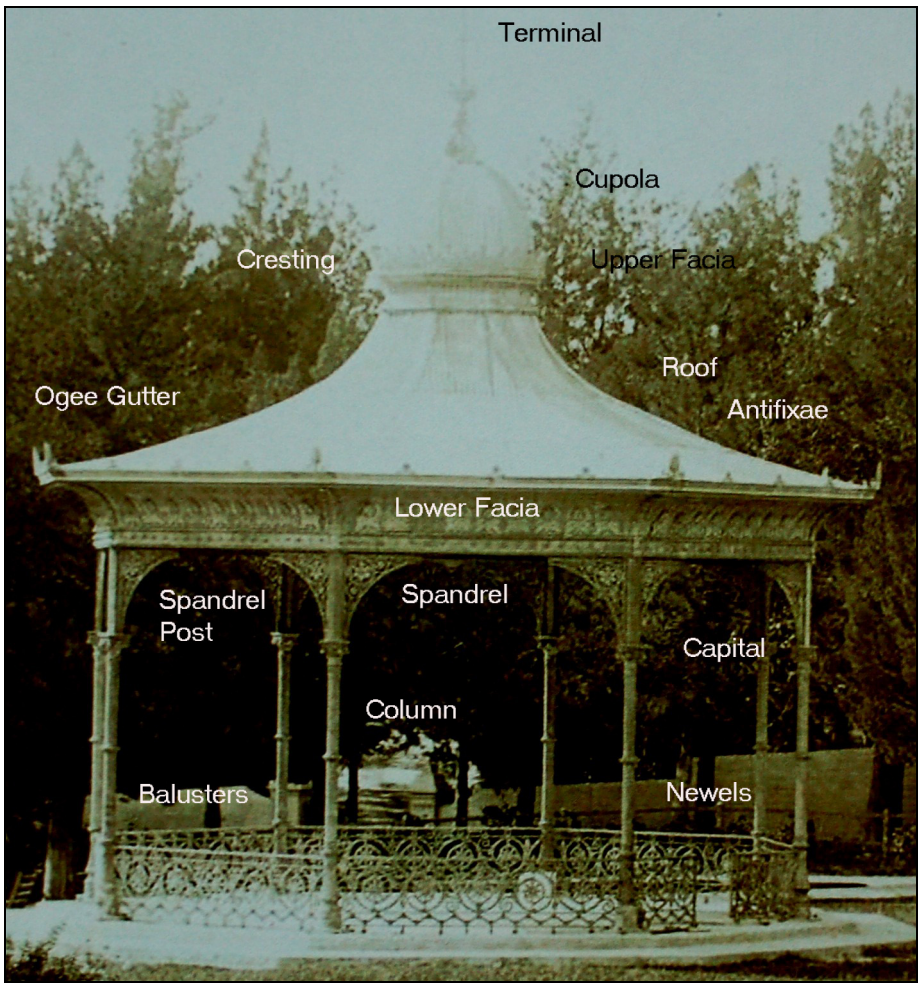


Fig.90: Sun Foundry Bandstand Model No 1, Erected Hamilton Park, Bermuda 1888 Showing Commonly Used Foundry Names for Components (Image Undated but Thought to be Soon After Erection) (Courtesy of City of Hamilton, Bermuda)

Eight columns support the primary structure of the bandstand. These comprise a column cast in one piece with a recessed capital collar to which four loose cast acanthus leaves are fixed by means of set screws. This was a common technique by Sun Foundry to

overcome the limitations of the sand casting process in creating 'undercuts' to create a more ornamental capital. This created a more dramatic effect where most other Scottish firms chose to cast the columns in one piece with a less pronounced detail. The archive description notes that they are bolted on and securely leaded in. A separate spandrel post is cast and fits into the top of the column by means of a spigot. The iron chaplets which were used in the casting of the columns to keep the central sand core in place are visible – the molten iron would run into the void in the sand and 'grip' the cast iron chaplet as it cooled. These are not commonly seen on columns of other manufacturers.





Figs.91&92: Column Detail Showing Chaplets (left)
(Photographs by D Mitchell)

The baluster panels between each column comprise three castings. Viewed externally these are described LHS, centre and RHS panels.

The black marks below the bottom cope rail illustrate the extent of the individual castings.



Fig.93: Baluster Panels
LHS Panel **Centre Panel** **RHS Panel**
(Photograph by D Mitchell)

Eight baluster 'roots' extend from the castings which are secured into the plinth. These are traditionally secured by using hot staved lead – molten poured into a socket around the root, which on cooling is tamped into the socket.

The cope rail is designed with a rebate beneath to slide over the top of the baluster panels. It is secured into the baluster panels by means of a set screw penetrating the cope rail and drilled and tapped into the panel itself.

In most instances the baluster panels in such bandstands comprise three patterns given that the outside panels are 'handed'. Because the castings are tapered outwards from front to rear (a function of the taper built into the pattern to facilitate removal from the sand) the panels have a notional front and back to each casting. This is a small measure but is actually visible to the trained eye if only a single pattern is used to cast both hands, one of which is 'reversed' in installation.

A characteristic of such panels is that they often pull in at each end of the panel in the same direction – to a greater or lesser extent by means of the pattern and foundry itself. Interestingly the panels here have an 'S' shape between columns which further promotes the notion that a single pattern was used.



Fig.94: Baluster Panels –
The Makers Stamp Appear on Different Faces
LHS to RHS
(Photograph by D Mitchell)

The ceiling in a bandstand served a number of functions – it provided structural stability, prevented windage and the roof acted as a giant sail, but most importantly it allowed the roof to act as an acoustic resonating chamber. This meant that the sound created by the band beneath was acoustically bounced off the ceiling then down and out to the audience like the sound box of a stringed instrument.

Few bandstands have this type of cast iron fascia detailing. Whilst it is spectacular, it is difficult to execute and construct. Other notable examples include bandstands by Walter Macfarlane & Co in Brechin and Dundee.[68]

Each fascia comprises four castings, each of which is radiused. Four individual patterns would have been required to make these castings, each of which is handed. All the castings are secured through into the primary roof structure. Lap joints are evident between castings with counter sunk bolts into the external face.



Fig.95: Fascia Casting
(Photograph by D Mitchell)

On top of the base fascia panels there are loose acanthus castings bolted through the panels. In addition there are acanthus castings at each corner to cover the join.



Fig.96: Fascia Casting with Cast-in Embellishment at Top and Bolted on Below (Photograph by D Mitchell)

The fascia plates are in generally reasonable condition although there would appear to be stress fractures between fascia plates at numerous locations. This is not unusual in large structural castings subject to movement (not apparent here in any significant way) but also in terms of thermal movement (much more likely given the climatic regime). As the mass of the casting varies, its capacity to act as a heat sink will alter – differential heating and cooling causing distortion, stress and fractures at weak points.





Figs.97&98: Internal View of Lower Fascia Castings
Note Lap Joints and Cast–in Lugs
(Photographs by D Mitchell)

The bandstand has standard cast iron ogee gutters, pattern number 13, 8 by 6 inches. These are standard items which have a male and female end which forms a lap joint between each casting. They are often jointed with linseed putty or red lead paste. They sit on top of the lower fascia panels as seen below.



Fig.99: Fixing Detail of Fascia Panel (Photograph by D Mitchell)

The gutters drain from two locations down through the spandrel post into the column head as seen above. Many early bandstands from Scottish firms like Saracen and Lion used this technique in

order not to have an external down pipe to spoil the aesthetics, and to restrict the view of the band. As the supply of these bandstands increased, these were often found to be problematic and gutter spouts were used, or the pipe taken from the bottom of the gutter into the top of the spandrel post and formed usually in lead.

Atop the columns and spandrel posts springing from the capitals are a further cast iron upstand and beams spanning the tops of the columns. These are required to support the lower cast iron fascia panels. Another cast iron beam follows parallel to the lower, and it is this which supports the upper roof framework.



Fig.100: Internal Roof Assembly
(Photograph by D Mitchell)

From this point the wrought iron roof framework rises in beautifully executed profiles to provide the curvature for the external sheets. Additional bracing and supports are found throughout which would not normally be seen in Britain.



Fig.101: Cast Iron Upstand Showing Lower and Upper Beams Between Columns
Note Roof Purlins in T Section Wrought Iron Sitting into Cast Iron Upstand and Timber Joist Detailing
(Photograph by D Mitchell)



Fig.102: Cast Iron Upstand
Note Wrought Iron Hooked Rod Braces to Fascia
(Photograph by D Mitchell)

The timber joist assembly radiates from the tie rod. Other manufacturers often used a cast iron 'hub' here but not on this example.



Fig.103: Tie Rod Base Plate
(Photograph by D Mitchell)

The tie rod is a common feature on Scottish bandstands. It takes the load of the terminal on the top of the roof, and the stresses of the roof are perpetually distributed throughout the structure. The tie rod also of course supports the joists and ceiling from above to eliminate the need for a central column. The ceiling rose covers a plate and nut on the end of the roof. Theoretically, removal of this would cause the entire structure to collapse. The condition of this is therefore fairly important in the structural integrity of the bandstand.

The cupola framework appears to have been independently designed and constructed.



Fig.104: Cupola Internal Framework with More Modern Repairs Using Angle Iron (Photograph by D Mitchell)

The lower roof purlins rise to meet a separate cupola construction. Note that the purlins are angled on the end over the top of the ring and provide a footing for the upper framework.

This bandstand had a possibly unique decorative scheme in its original conception, in that it had none, and for the early part of its life it stood with the galvanised iron as its finish. This is most unusual for such a structure in that they tended to be highly decorated, often reflecting the town colours or crest.

The Royal Gazette records that;

'the whole work has been thoroughly galvanised and presents a pleasing tint, a sort of subdued lead colour, to the eye.'[69]

Whilst the purchase and manufacture of this bandstand post dated the George Smith era, it was made using designs and patterns from that period, and it is the initial period of ownership which gave rise to the reputation the firm subsequently enjoyed.

The Bridgeton Cross Shelter was never really intended as a bandstand despite its shape and form. Erected in 1876 it is described in a trade catalogue as a 'Pavilion and Clocktower'.



**Fig.105: Bridgeton Cross Shelter,
George Smith & Co Catalogue, Undated**

The design and construction re-affirms Sun foundry's competency in constructional design and manufacture. The roof support extends from a central column springing cast iron spandrels which do away for the need of joists. The roof and internal soundboard are made from cast iron scaled plates as seen on the Govan Cross fountain canopy on a smaller scale.

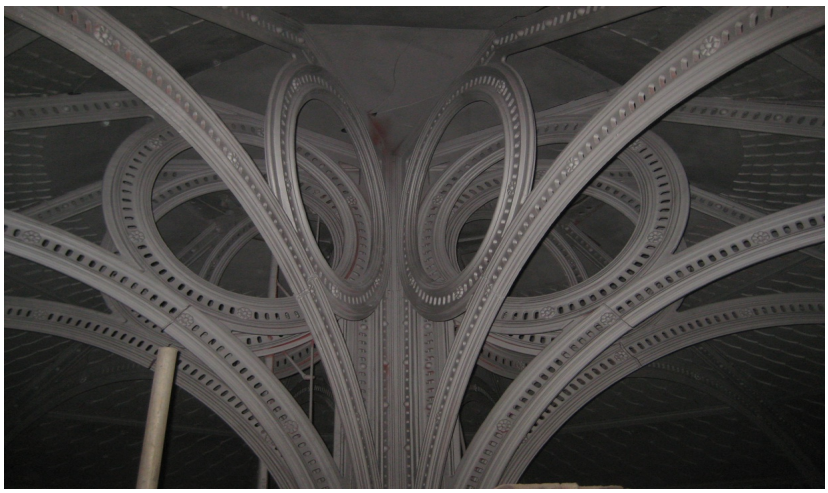


**Fig.106: Internal Roof Support, Bridgeton Cross
(Image courtesy of Gordon Urquhart)**

Fountains

This was a key area of work for the firm in comparison to their contemporaries. Whilst many of the components are inter-changeable and designs are derived from different assemblies of stock patterns, one of the few remaining examples of their trade catalogues held in the Mitchell Library illustrates around 88 registered designs of Sun Foundry drinking or spray fountains.[70] The library copy looks to have been used as a checklist for taking stock of patterns at some point – possibly as part of sequestration or sale.





Figs.107&108: Fountain Supplied to Jersey and Accompanying Catalogue Illustration (Images courtesy of The Scottish Ironwork Foundation)

It goes further than its rivals and shows distinct elements – bowls, figures, standards as separate items to be specified for unique configuration.



Fig.109: Photograph of Fountain No 13 Base, Cork (lost)
(Image from Sun Foundry Catalogue, Undated)

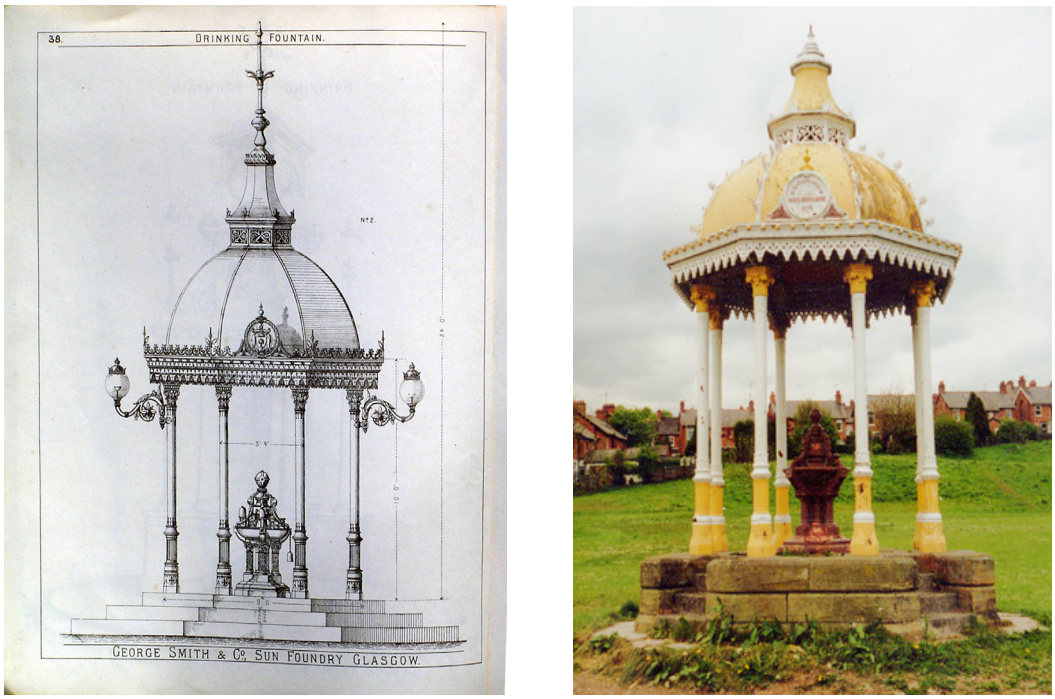
The four sided drinking fountain canopy made by most of the Scottish architectural iron founders was not a prominent item for Sun Foundry. Their variation (Design No 3) is found in Portmahomack, Alexandria Park, Glasgow, Middleton in Teesdale and Burntisland in Fife.[71]





Figs.110&111: Portmahomack (left – RCAHMS)
Burntisland (right)
(Photograph by D Mitchell)

An example of a four sided fountain canopy at Govan Cross in Glasgow is attributed to the firm of Cruikshanks in Denny and does seem to have been manufactured, in least in part by them, but with identifiable Sun Foundry components. As previously indicated the connection of Robert Cruikshank formerly being a Foreman at Sun seems too much of a co-incidence. Seven examples of Design No 3 are known. A larger and more ornamental version (No 2) was made for Limerick, Belfast and Falkirk in 1871, now lost.[72]



Figs.112&113: Drinking Fountain and Canopy (Catalogue Illustration) and (right) the Jaffe Fountain, Belfast (The Scottish Ironwork Foundation)

One of the earliest identified fountain commissions was for Edinburgh Town Council when they purchased an ornamental fountain for East Princes Street Gardens. This was installed below The Scott Monument at a cost of £25 plus £8/15/- (£8.75) for a 'main' water supply.[73] This fountain is shown on the (1876-7, 1:1056 O.S. City of Edinburgh, sheet 29) but has gone by the time

of the 1893-94 edition. This may be the fountain presently located in Nicolson Street Square in Edinburgh.

In 1860 Sun Foundry also supplied fountains for the Royal Highland and Agricultural Society show at Dumfries.[74]

Fountain Gardens Commission, Paisley

In terms of ornamental spray fountains, Design No 1 was the largest and most spectacular. Only one example is known to have been commissioned, by Thomas Coats the industrialist, as a centrepiece for Fountain Gardens in Paisley, his gift to the town and his workers.

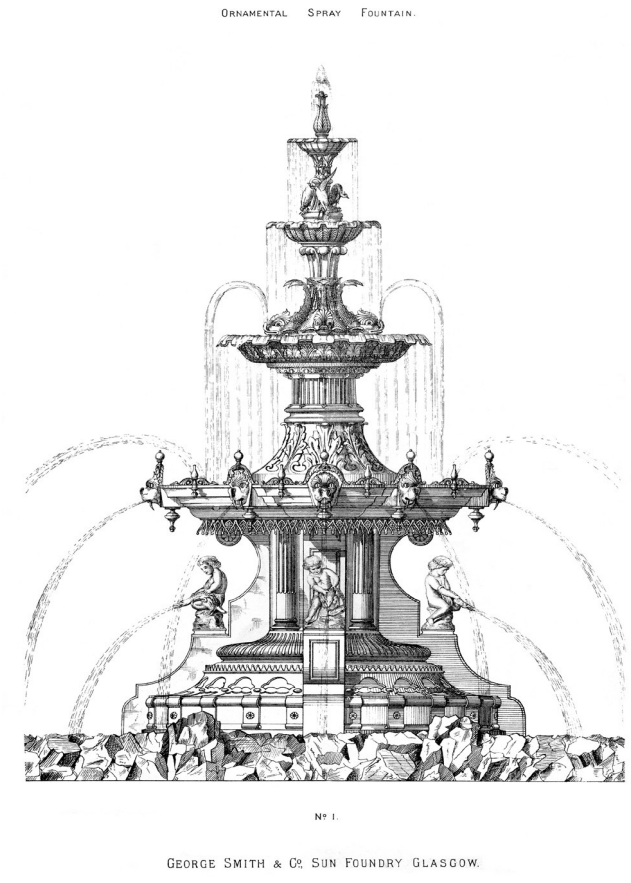


Fig.114: Illustration of the Paisley Fountain in Sun Foundry Catalogue Without Walruses Designated Model No 1

Sun Foundry was commissioned to undertake the following within the Park;[75]

- Main ornamental spray fountain
- Entrance Gates
- Gate Piers
- Railings
- Lamp standards
- Verandahs
- Flower stands
- Chairs
- Seats
- Signage and 'other works'

The work did not appear to have gone to tender and it is fairly unusual for one firm to undertake all such elements of a project. This would infer patronage or a relationship existed between George Smith and Thomas Coats. The project is one of the highlights of work undertaken by the firm. To be able to design and manufacture all elements was unusual, but it seemed that a 'no expense spared' philosophy was applied, and the products were undertaken in both iron and bronze. This is where George Smith departs from his contemporaries. While we know that Walter Macfarlane was interested in the appliance of decorative finishes to his ironwork, there are no examples of him foraying into the more artistic expressions and technicalities of bronze and lost wax casting.

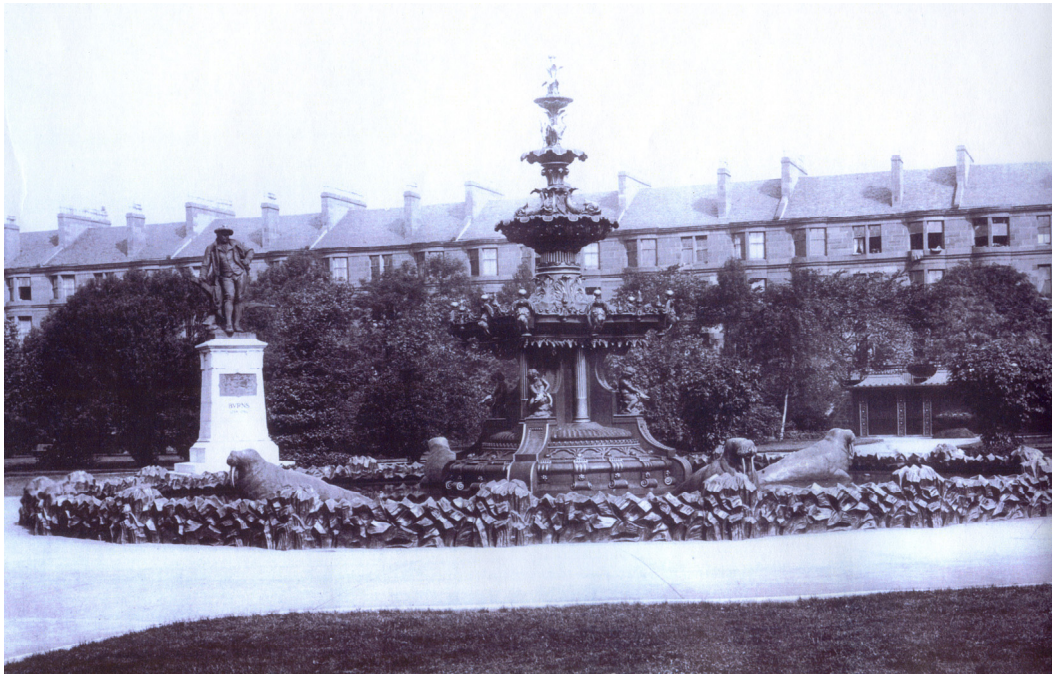


Fig.115: 1880 View
(Image courtesy of SCRAN)

The fountain is one of the most significant 19th century cast iron ornamental spray fountains in the UK. The *Inaugural Ceremonies* publication[76] published to coincide with the park opening gives a detailed account of the fountain and comments;

'The central fountain, along with all of the other ironwork in the grounds as well as the bronze flower-stands, was supplied by' "Messrs George Smith and company of the Sun Foundry, Glasgow, a firm fast rising into celebrity as manufacturers of objets d'art in iron and bronze."

Extracts from Thomas Coats' account books dating to 31 December 1868 also show payments made to George Smith & Co amounting to £8,843.5.8.[77]

'it may well be conceded to be the dominant feature of the grounds to which it gives its name'…and that there were "few fountains in the country at all to be compared to it."

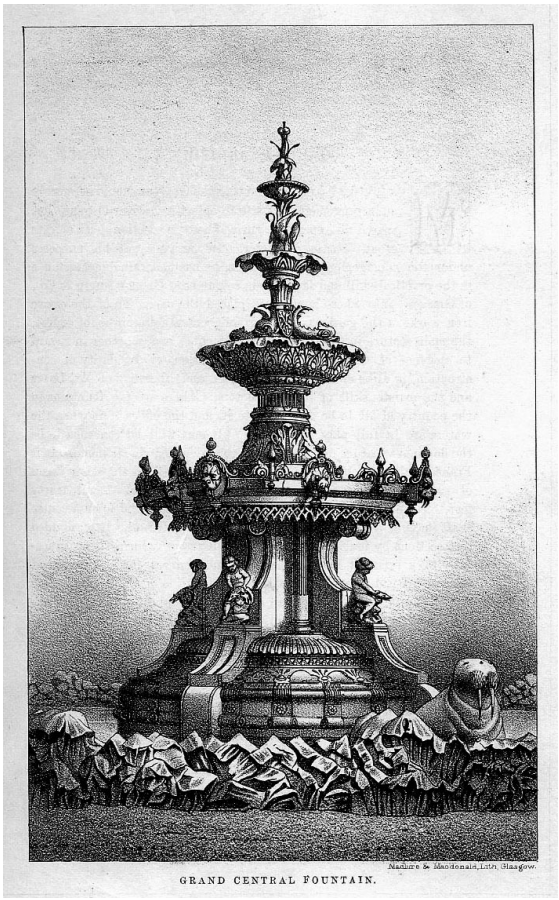


Fig.116: Illustration from Inaugural Ceremonies in Honour of the Opening of the Fountain Gardens, Paisley, J&J Cook, 1868

It describes the fountain as "Franco Italian" in character;

'rising gracefully from a spacious basin of some sixty feet in diameter to an altitude of about thirty feet.'[78]

The fountain itself comprises four fountains, diminishing in size from the lowest to the highest. These are supported on a central shaft:

'having a bold moulded and ornamental circular base, divided into sections by four heavy trusses or buttresses.' [79]

In turn these support four "excellent figures" which hold alligators in their arms. The account further describes how;

'The first basin, twelve feet in diameter, is quatrefoil in form, each foil projecting over one of the trusses. It is enriched with an elegant pendant ornament, which forms a canopy over the figures, and a bold cresting on the rim of the basin, which is introduced alternately with shields bearing masks of the sea-horse throwing out copious streams of water.'[80]

A circular "floriated base" rises from this first basin with "fluted shaft and decorated capital", upon which a second basin, ornamented with aquatic plants in relief, rests. Four dolphins rest in this basin. The third basin, decorated with aquatic leaves, is supported on a column "enriched with crystals and floriated capital". Finally, the fourth basin, which houses a number of herons "grouped about the base with pleasing and natural effect", is supported on "a stem of ferns, rushes, and water-lilies". The fountain is terminated by "a cluster of aquatic plants". The account goes on to describe the basin enclosing the entire fountain "cast in imitation of huge blocks of rock thrown together."

The publication also references two other drinking fountains as well as two verandahs, now lost.

'Among the rockeries, one or two drinking fountains are placed…On the northern and southern boundaries of the gardens, too, immediately in line with the transverse walks branching from the central fountain, two elaborately ornamented and decorated verandahs have been erected, in the traceries of which may be observed the monogram of the donor and the year of the inauguration.'[81]

In addition to the fountain, boundary railings and verandahs, the publication makes reference to garden seats "liberally distributed throughout the grounds" and bronze ornamental flower-stands "set down along the various walks". None of these are known to survive.

Where this project and the fountain stand out is in the application of decorative finishes to the ironwork and the level of embellishment employed. The execution of the decorative work by Cottier was identified by Historic Scotland in 2006[82] (from archive sources) and a full investigation of the decorative scheme was undertaken matching on-site paint samples through lab investigation, leading to a virtual reconstruction of the fountain to its original form and decoration.

The cast iron fountain is set in a wide basin measuring approximately 60 feet in diameter, enclosed by a ring of imitation rocks cast in iron. The collective structure is a sum of its constituent parts which have been designed to a high specification in engineering terms. Where some manufacturers designed their fountains to be an assembly of small pieces bolted and pinned together (The Lurgan Coalbrookdale Fountain in Northern Ireland being an example), the prowess of the patternmaker and foundry is on public display here, with very little added or loose ornament employed. This is a statement of quality for those who can interpret the manufacturing process, but it also considerably adds to the longevity and integrity of the piece. The loss or damage of decorative elements in Paisley is fairly minimal and because there are not separate mating faces between elements, water cannot enter on the exterior surface of the fountain and failure by decay is less apparent.

Sequence of Construction

Initially, the foundations were dug out and pipe-work laid down before the cast iron sole plates were put into position. The artificial rocks enclosing the bottom basin were cast in 40 sections and then bolted together at the mating flanges.

Next, the structural elements – the columns, base drum (each quarter was made of at least 8 castings) and buttresses were assembled and bolted together, then the upper stems and bowls were assembled in ascending order. Once the main structure was assembled and all necessary pipe-work in place, the separate ornamental castings such as the walruses, putti, walrus masks, dolphins etc were attached and connected to the water supply.

A massive central core cast in several sections forms the base of the main shaft of the fountain. This forms the central structural core of the fountain. Four buttresses support four putti figures which are holding alligators and seen on other Sun Foundry fountains. Additional massive ornamental castings have been attached to the exterior face of the drum, and a small hatch on the upper face of the drum allows access to the interior of the fountain. A main shaft rises from this central drum. The decorative columns which are visible on the exterior of the drum also serve a structural purpose, as these continue to ground level within the interior of the structure.

Individual structural castings are bolted together using flanges (on the vertical joints), and lugs (on the horizontal joints). Many of the structural castings overlap, and the bolts used to connect these are

concealed by decorative castings attached to the exterior face of the fountain.

The first-tier bowl has been cast in four sections. A series of decorative castings have been attached to this bowl; eight walrus masks divided by scrolled pediments adorn the rim of the basin, while ornamental cresting incorporating a fleur-de-lis motif hangs from the underside of the bowl. Above this the central stem continues upwards, decorated with large leaves which have been cast separately and attached to the drum surface.

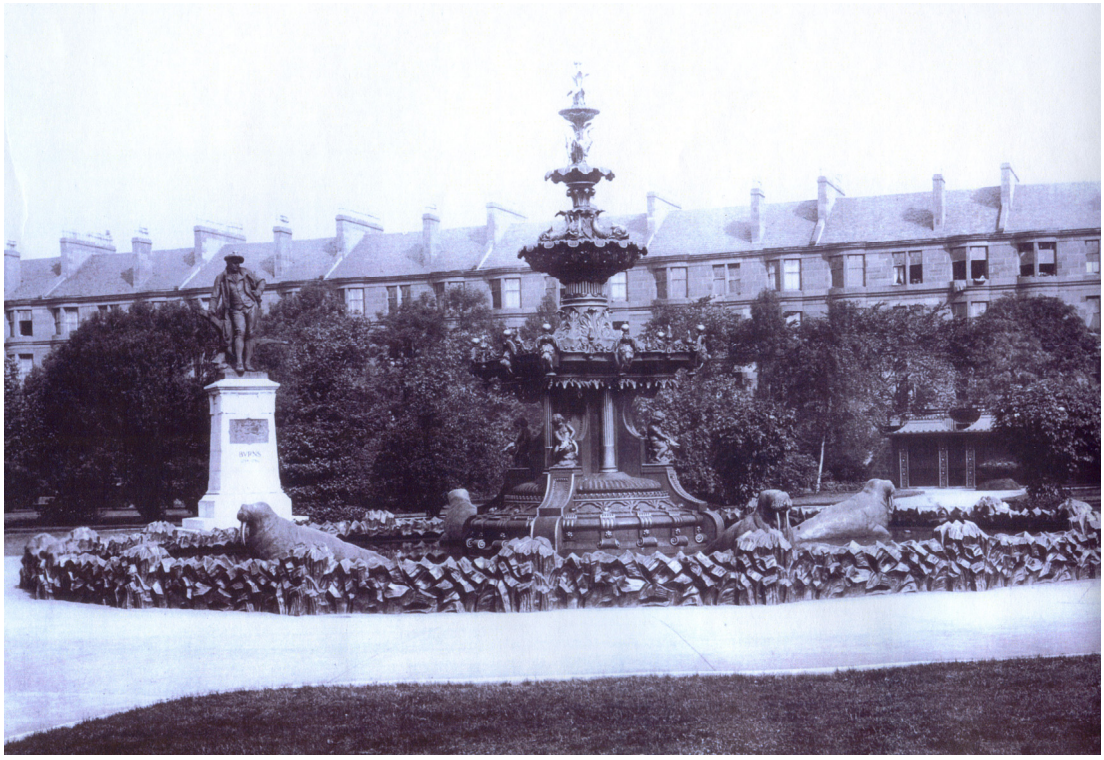


Fig.117: Grand Fountain, Fountain Gardens, Paisley c.1880 (Image courtesy of The Scottish Ironwork Foundation)

The second bowl was probably cast in one piece and contains three dolphins mounted on cast iron brackets affixed to the central stem of the fountain. Domed crystals are set into a raised band which runs around the stem, just above the tails of the dolphins which

are assumed to be those referenced in the original descriptions. Ornamental leaves have also been attached to this stem, above and below the raised band.

A third bowl rests on this shaft, again most probably cast in one piece. A perforated pipe runs around the rim of this basin, designed to spray a coronet of water through the perforations. At the base of the final stem running upwards from this basin, three cast herons have been attached, arranged in various poses. Decorative castings in the form of leaves have also been attached to the stem behind each heron.

A final basin, supporting a cast iron terminal and also with a perforated pipe running around its rim, terminates the fountain. Ornamental leaves have been affixed to the terminal.

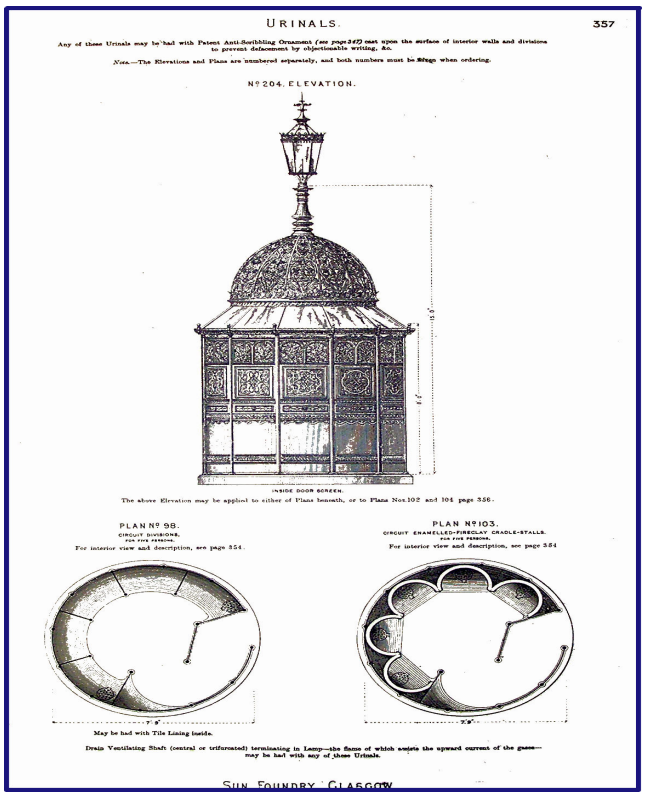
The interior of the fountain is accessed via a hatch in the central core. Four columns descend through the centre, and a series of pipes clad in impregnated cotton rise up through the internal fountain shaft between these columns. At the base of the columns sits a sump and a water valve.

Other Products

Sun Foundry produced a range of public urinals similar to that of Saracen, with an open cast iron fretwork roof. Examples have been located across the UK and in Australia.[83]



Fig.118: Bristol Example – on Site
(Image courtesy of J Bolton)



URINALS. 357

Any of these Urinals may be had with Patent Anti-Scribbling Ornament *(see page 347)* cast upon the surface of interior walls and divisions to prevent defacement by objectionable writing, &c.

Note.—The Elevations and Plans are numbered separately, and both numbers must be given when ordering.

Nº 204. ELEVATION.

INSIDE DOOR SCREEN.

The above Elevation may be applied to either of Plans beneath, or to Plans Nos.102 and 104 page 356.

PLAN Nº 98.
CIRCUIT DIVISIONS, FOR FIVE PERSONS.
For interior view and description, see page 354.

PLAN Nº 103.
CIRCUIT ENAMELLED-FIRECLAY CRADLE-STALLS, FOR FIVE PERSONS.
For interior view and description, see page 354

May be had with Tile Lining inside.

Drain Ventilating Shaft (central or trifurcated) terminating in Lamp—the flame of which assists the upward current of the gases—may be had with any of these Urinals.

SUN FOUNDRY, GLASGOW.

Fig.119: Bristol Example – in Catalogue
(Image courtesy of J Bolton)

Whilst most of the Scottish architectural iron founders exploited the Victorian taste for graveyard decoration in producing lines of dwarf railings to surround plots, Sun went much further and developed a range of cast iron headstone surrounds into which could be inserted and inscribed stone. These were being advertised in 1863;



BY HER MAJESTY'S ROYAL LETTERS PATENT.

SMITH IMPROVED COMPOSITE
GRAVE MONUMENTS AND TABLETS.

The adaptability of CAST IRON for the construction of GRAVE MONUMENTS and TABLETS has often been suggested, but its general adoption has been attended with difficulties connected with the Inscriptions. In those produced under Mr. SMITH'S Patent, provision has been made to remove the difficulty—the Ornamental Framework being composed of Cast Iron, and Panels of Granite, Marble, Stone, or Slate inserted, upon which the Inscription can be easily engraved.

The material is equally susceptible of embodying Designs simple and massive, as well as highly artistic, combining delicacy and variety of detail with great substantiality; while the cost is much less than if composed entirely of stone.

Designs, Prices, and particulars will be forwarded on application to

GEORGE SMITH & CO.,
SUN FOUNDRY, GLASGOW,
SOLE MANUFACTURERS;
or to their Show Rooms,
37 SOUTHAMPTON STREET, STRAND, LONDON, W.C.

Fig.120: Article on Graveyard Decoration
Glasgow Herald, 29/5/1863

A limited number were completely cast iron, and perhaps the best of these left standing is the Mackenzie Memorial in the Glasgow Necropolis.





**Figs.121&122: Mackenzie Memorial,
Glasgow Necropolis 2000
(Photographs by D Mitchell)**





**Figs.123&124: Headstone Carrier, Glenmavis (left)
Graveyard Feature from Stirling,
Presently in the Smith Museum, Stirling (right)
(Photographs by D Mitchell)**

Most Scottish graveyards with a Victorian period usually have a number of examples of Sun Foundry work. The importance of the market to the firm is highlighted by the inner leaf to their abridged catalogue of the 1880s showing the Glasgow Necropolis which contains many items manufactured by them.

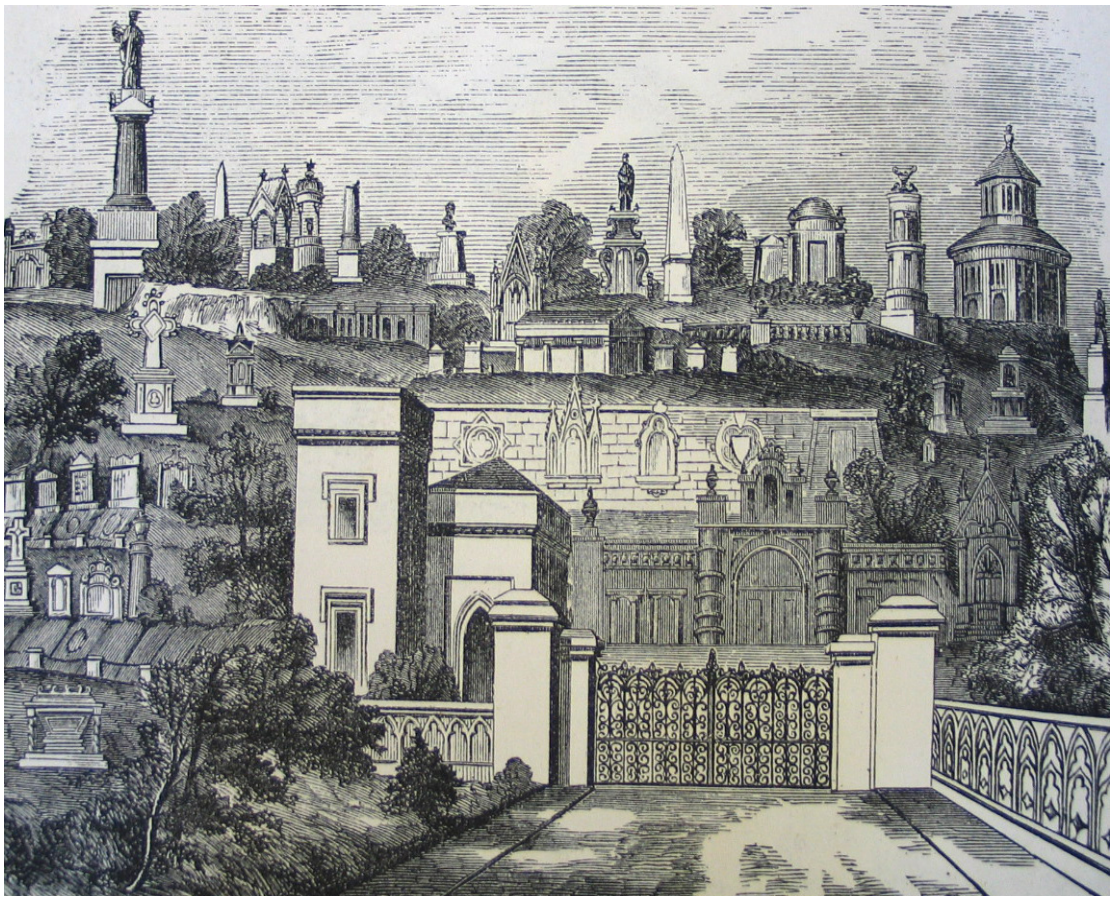


Fig.125: Glasgow Necropolis
From George Smith & Co Catalogue, (1880s)

Sun manufactured a broad range of lamp pillars, gates, railings and other standard architectural items.

Railings adjacent to the Albert Bridge in Glasgow were provided by Sun, this particular design also being used for baluster panels in their Lincoln Arboretum Bandstand.





Figs.126&127: Detail Discovered on Albert Bridge Railings (Heritage Engineering) and Lincoln Arboretum Bandstand Re-using the Design (Image courtesy of Dave Bates)

Sun Foundry designs were confident and robust, with a distinctive style. It is obvious that George Smith was keen to differentiate his work from his former employers.



Fig.128: Bollard, Jubilee Park, Lurgan
(Photograph by D Mitchell)

Designs and castings are recognisably Sun Foundry in a way that Saracen work is sometimes not. This may have been a conscious effort to attain a house style. The designer is not known but it would be logical that George Smith would have a strong influence given his background in design and patternmaking.

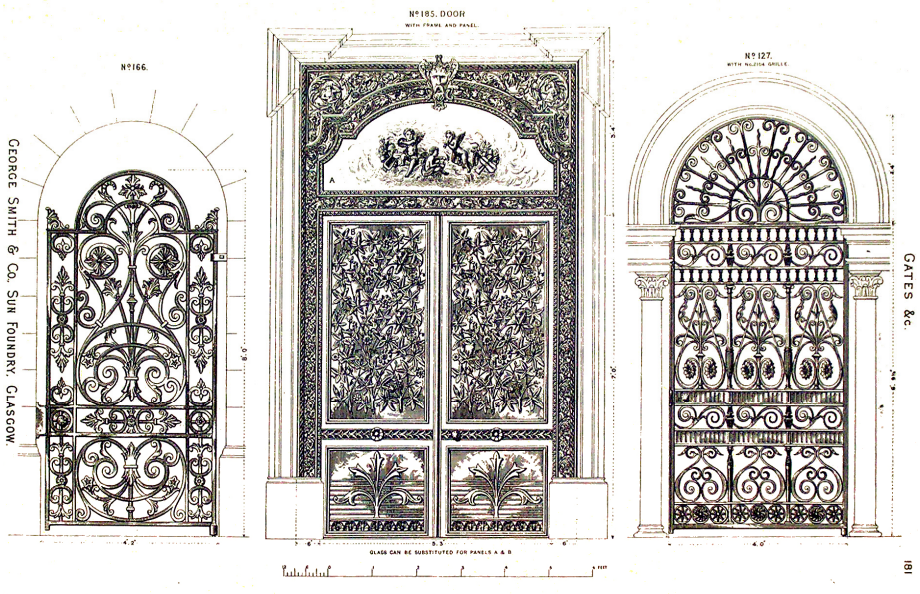


Fig.129: Doors and Gates from 1886 Sun Foundry Catalogue
(From D Mitchell collection)

It is not clear if Sun Foundry produced larger structures such as buildings or façades although none have to date been identified or particularly illustrated in their catalogues. They clearly had the capability but perhaps chose not to compete in this area.

A large clocktower was supplied to Aston Birmingham in 1891, and in the same year a bridge to Leamington Spa.





Figs.130&131: Birmingham Clocktower (top) and Adelaide Bridge in Leamington Spa, Both 1891 (The Scottish Ironwork Foundation)

Contribution

The Sun Foundry of George Smith & Co were of significant importance in the Scottish architectural iron founding industry. The quality of design and execution of their work was of the highest quality. The hitherto undiscovered connection between George Smith and his origins in the Saracen Foundry of Walter Macfarlane perhaps explains a great deal about the design and manufacturing principles displayed by both firms. Clearly a talent, Saracen were concerned enough by him establishing a new firm that they pursued him through the courts on a fairly minor matter.

Whilst Sun never achieved the scale and success of Saracen, or even Lion, perhaps their legacy remains one of exemplary design and casting. Commercial disparities aside, George Smith led a firm for a brief time which could match the work of any other of the prominent Scottish firms.

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3.4 Lion Foundry

Context

Iron founding commenced in the Kirkintilloch area in 1832 when Archibald Gilchrist set up The Kirkintilloch Foundry, latterly known as the 'Old Foundry', at Easter Croft. The foundry was small scale, with only seven men recorded as working there in 1839.[1]

By 1851, the Old Foundry had reached its peak, employing 40.[2] Modest success appears to have attended the foundry till around 1867 when it was operating on short time. From then on Old Foundry seems to have struggled, Gilchrist himself was sequestrated in 1876 and ownership passed into other hands.[3] Several other individuals and partnerships failed in quick succession until Glasgow based P&W McLellan structural ironwork specialists took over in 1884. They, however appear to have done little and the dilapidated foundry was taken over in 1894 and converted for roofing felt production.

The Star Foundry opened in May 1863 in Southbank Road adjacent to the Forth and Clyde canal.[4] The sole proprietor at the start was Alexander Smith, former partner of and brother to, George and Gibson Smith of the Sun Foundry, Glasgow. Smith assumed George Park McIndoe as a partner in 1865, but he died prematurely in September 1866 aged only 37. McIndoe assumed James Grant, the Works Manager, as a partner in January 1867 but the venture failed and the firm was declared bankrupt in May 1867. At the time of this closure, the firm employed 390 men, a considerable workforce.[5]

By March 1868 the works had been taken over by Cameron and Roberton and the name changed to the South Bank Ironworks. This enterprise flourished and became a limited company in 1900 and by 1910 employed 600.[6] Cameron and Roberton also seem to have been astute in the adoption of new technology and processes including branching into the cast steel market. South Bank Ironworks specialised in rainwater goods in the early years of production. The firm lasted until 1981.

Chronologically the last of the Kirkintilloch ironworking enterprises to be formed, Lion Foundry had several distinct advantages in its favour. A pool of labour, experienced in the iron industry, already existed in the town.

In addition to the availability of raw materials and labour, Kirkintilloch's geographical position with regards to transport infrastructure was also important. All of Kirkintilloch's four foundries were set up within one square mile. This was due to the fact that two railways, the Monkland and Kirkintilloch and the Edinburgh and Glasgow (later amalgamated into the North British), The Forth and Clyde Canal and a main road all intersected within the area. This gave the foundries ready access to the main modes of transport of the day.

A co-partnery under the title Jackson, Brown and Hudson was set up on 3 March 1880 to build and operate a foundry on part of the former parish church glebe at Barleybank, on the north side of the Forth and Clyde Canal. Although the company name was styled after its co-partners initially, it appears that the actual foundry was probably called Lion right from the start. James Clinkskill, a Glasgow surveyor, did 'An Inventory and Valuation of Heritable

Property and Machinery at Lion Foundry' on 8 October 1880.[7] Headed notepaper from 1880 carried a logo which included the name 'Lion Foundry' in its design.

All three of the original partners at Lion had been employed at Walter Macfarlane's Saracen Foundry. Hudson was in charge of the fitting shop, Jackson and Brown as traveller and clerk respectively. Indeed Hudson had been in the industry for 23 years previous to the setting up of Lion, before working for Saracen being a fitter in the Sun Foundry of George Smith and Co.[8] It seems most likely that the experience of the three aspirant foundry owners, particularly at Saracen, was instrumental in the decision to set up as an independent co-partnery. Saracen was already a major producer of architectural ironwork in what was clearly an expanding market in 1880.

Although never quite reaching the size of Kirkintilloch's South Bank (Star) Foundry, in terms of numbers of employees, Lion became considerably more prominent because of its product range. They became major players in the architectural iron founding industry whereas South Bank concentrated on less decorative work i.e gutters, soil pipes etc.

Robert Hudson was born in Falkirk on 17 January 1844. He joined Abbots Foundry in Falkirk as an apprentice fitter and, on completion of his time, moved to George Smith's Sun Foundry in Glasgow. He moved again to Saracen where he became Foreman of the fitting shop.[9]

James Jackson was born at Stonehouse, Lanarkshire, around 1850. He apparently joined the drapery trade, rising to become a partner

in James Daly & Co. It would appear that sales skills were to be Jackson's contribution to the new iron co-partnery. Curiously, his incumbency in what was to become the Lion Foundry Company was relatively short-lived, only about 18 months. He left and set up Jackson, Elphick & Co at Birkenshaw Foundry, Lanarkshire specialising in sanitary castings.[10]

James Brown Junior was a native of Greenock and is generally believed to have been employed as an order clerk at Saracen before the setting up of the new co-partnery, although it is possible that he had business arrangements with Jackson before that. Brown appears to have come from a family of some substance and his brother Neil also contributed some of the initial capital in 1880.

The original contract of co-partnery read:

James Jackson, Iron Founder, Kirkintilloch
James Brown Junior, Bogston, East Parish of Greenock.
Robert Hudson, Fitter, Glasgow.

The object was:

'To carry on as a joint trade or business as Iron founders, Artistic metal workers, Heating, Ventilation and Sanitary Engineers.'

The co-partnery was held to have commenced on 23 March 1880 and was to 'endure' till 23 March 1890 or until dissolved.[11]

Jackson and Brown were to 'devote themselves more especially to the Counting House, Financial and Outdoor departments' and Hudson was to look after 'the practical work thereof.'

Each partner was allowed to draw £3 per week 'in anticipation of profits' and Jackson and Brown could draw an extra £20 per annum (weekly if wished). In the beginning Robert Hudson's role appears to have been seen as subordinate to that of Jackson and Brown.

The intent was clear from the start – to take on Saracen, Milton and Sun at their own game in architectural iron founding terms and concentrate as much as they could on the higher value ornamental work. Nevertheless more mundane gutters and pipes were baseline work for the firm. The first edition of the catalogue (they clearly saw the need and benefit of such a volume) did not have the depth of their competitors, but it covered all the bases architecturally. They did not advertise large structures at first, sticking to smaller items – gates, railings, columns etc.

In a memo to 'A Traveller' (not named) the company had analysed his sales and observed that 61% were plain and 39% ornamental. He was reminded that the aimed output was 75% ornamental and 25% plain.

'Plain goods which consist of No 1 pipes, and half round and ogee gutters, are not profitable. Were it not for their influence in sustaining our connection with the trade, we would gladly forego them altogether, as many of the competing firms quoted for them at below cost.'

The company also noted that the 'traveller' was far below expectations in orders for terminals, railings, gates, balusters and other ornamental sections and he was encouraged to seek direct orders from architects.[12]

In a letter in 1885 to James Walker, presumably a manager in a large railway concern, Lion Foundry claimed that 'our manufacture is identical to Walter Macfarlane and George Smith & Co in every respect.'[13]

'All kinds of sanitary goods, urinals, water closets, for stations. We also build stations entirely consisting of columns, brackets and girders, castings and all that is needed in these iron covered ways. Last year they did seven stations on the Cambridge to Fordham run thro' Lovatt of Wolverhampton, the contractor.'



Fig.132: Inner Leaf from the 1st Edition Lion Catalogue c.1881, Kirkintilloch Museum

Despite what looked to be reasonable financial structuring, the company struggled initially, even to the extent of difficulty in paying employees.

James Cuthbert joined the co-partnery on 14 March 1881 becoming the first Company Secretary. The company was renamed Jackson, Brown, Hudson & Cuthbert. Yet another partner was assumed that year, William Pattison, who had been Business Manager at Saracen for many years. Pattison took up his duties as of 1 August 1881 and was immediately delegated to take over the London Office. Bell & Co, who had been the agents there, were dismissed. Again Saracen had proven to be the training ground.[14] The capital of the company was increased to £15,200, at this point presumably to reflect the growing nature of the business, but also probably to attempt to resolve short-term cash-flow difficulties. The £15,200 was made up as follows:[15]

£4,000 borrowed by original firm
£1,700 from Jackson
£3,000 from Brown
£1,500 from Hudson
£4,000 from Cuthbert
£1,000 from Pattison

At the time of this co-partnery, the responsibilities of the various partners were as follows:

'The first party [Jackson] shall devote his attention more especially to the Counting House and Commercial departments of the business; The third party [Hudson] to the practical work thereof; the second [Brown] and fourth [Cuthbert] parties to the travelling and outdoor departments, and the fifth party [Pattison] to the business of the firm in London and district.'[16]

James Jackson retired in September 1881 to set up Jackson, Elphick & Co in Airdrie.[17] When Jackson left, the co-partnery of Jackson, Brown, Hudson and Cuthbert was dissolved (21

September 1881) and the remaining partners reformed with the business to be known henceforth as The Lion Foundry Company. Robert Hudson, grandson of the founding partner, later claimed that the name Lion was a tribute to King William the Lion who granted Kirkintilloch its original burgh charter.

Despite the increase in capital, the improved skill range and even full order books, the company still had financial difficulties - the rigid policies of their bankers and agents were part of the problem.

Lion, as was typical of a business with a UK wide market, employed agents and travellers. In many cases, they or their activities, proved less than satisfactory to the management, witnessed by frequent correspondence in the private letter books. In May 1881, the company wrote to the Secretary of State in London complaining that their agent, McLean, had been incarcerated for a month with hard labour for an assault conviction with no option of a fine. Lion felt this was unfair for McLean and his family but probably more especially since the company was losing business.[18]

Hector McDonald, of Leeds, was offered the opportunity to be the agent for Yorkshire, Lincolnshire and Birmingham in June 1881. His terms were £150 per annum, providing at least £6,000 worth of orders were achieved, plus 17/6d expenses per day. Only one month later he is berated about overspending and under-performing.

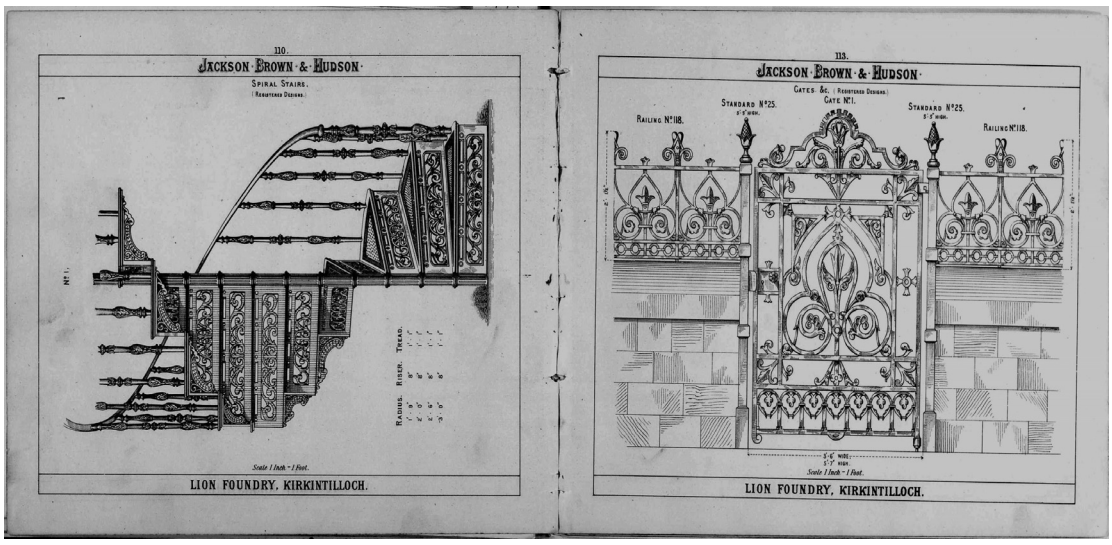


Fig.133: 1st Edition of the Lion Foundry Catalogue (Courtesy of East Dunbartonshire Museums)

Financial difficulties persisted and Cuthbert wrote to Brown and Pattison advising them that the company could not continue on its present basis. It appears that James Brown himself was one of the problems having accepted bills against the company, many of which were dubious, without the knowledge of the other partners. As early as October 1883 Brown was being reprimanded for some of his financial transactions and infringements of the co-partnery.[19]

In June 1884, James Cuthbert pressed Brown and invited him to give his views by return.[20] The result of this is that James Brown 'retired' from the business on 18 June 1884. His resignation was immediately accepted and he was warned not to interfere in company business from that time forth.[21] Brown's situation did not improve when he left Lion and he is recorded as being sequestrated in November 1890. His resignation did not see the end of problems with individual partners; Cuthbert wrote a sharply worded letter to Pattison commenting that the company was not there for his personal benefit, a reference to excess claims for expenses.

A Mr H C Norrie had been taken on as agent for Ireland, Cumberland and Westmoreland in June 1883. His terms were 7.5% on all orders, less carriage, plus £30 per year travel allowance. He was obliged to visit Cork, Limerick, Belfast and Londonderry at least four times per year and Cumberland and Westmoreland twice.

Even in August 1884 it is clear that the company still had financial problems and the market was depressed. Cuthbert asked for quotes for No 3 Middlesbro', a good soft brand, at a rate of 200 tons per month, but only a month's supply at a time, 'as I fancy the market will yet see a lower figure'. Cuthbert also remarked that he 'may finance the purchase of the pig iron himself.'[22]



Fig.134: Travelling Sales Card for Lion Foundry Co Ltd, Post Incorporation of 1893

James Cuthbert died on 24 June 1886 leaving Hudson & Pattison as the only partners at Lion. This situation prevailed till 31 December

1891 when Pattison 'retired', assigning his share and interest to Hudson. Robert Hudson, who had been a founder of the company but appears to have concentrated very much on the production side, eschewing the politics, now took over and would chair the company successfully till his death in 1912. William Campbell and John Dickson were assumed as partners in March 1892 and by November of that year the company was in good shape, William Campbell writing:

'We are in a peculiar situation at present, more work a long way than we can overtake and not a yard of space for extension.'[23]

In 1893 it was decided to convert Lion to a limited company with capital of £30,000. Share allocation was to be 2,230 @ £10 preference, 700 @ £10 ordinary and 700 @ £1 deferred. Dividends to be 6, 8 and 8 per cent respectively.[24]

In accordance with the Companies Act 1862-90, any organisation wishing to become limited needed at least seven subscribers to start off the process. They were;[25]

Robert Hudson, Ellerybank, Kirkintilloch, Iron founder
W M Campbell, Royal Terrace, Kirkintilloch, Iron founder
John Dickson, 29 Avondale Place, Kirkintilloch, Iron founder
Jon Harley, 111 Cowgate Street, Kirkintilloch, Foreman moulder
Robert Aitken, Townhead St, Kirkintilloch, Foreman patternmaker
John Ross, Daisybrae, Kirkintilloch, Iron moulder
Andrew Paterson, Barleybank, Kirkintilloch, Pattern-keeper

To achieve limited company status, Lion Foundry Company Ltd effectively had to buy the business from the previous owners, i.e the co-partnery.

It was recorded at the time of sale that the company had agencies at 73 West Regent Street, Glasgow, 12 Rose Street, Edinburgh and Swallow Street, Birmingham. The actual sale was deemed to have taken place on 1 January 1893. The price was £23,360, £18,000 in cash and the remainder credited in shares. Hudson, Campbell and Dickson were to be Managing Directors for five years after the completion of sale. Hudson would receive an annual salary of £312, Campbell and Dickson £208. None would be permitted to be actively involved in any other company.

The ground and buildings were held under Contract of Ground Annual (feued) from John Dick Marshall. James Jackson seems to have been the main person in the original property negotiations, the transaction being recorded in the Dumbarton Sasines on 12 May 1880.

The first board comprised:
Robert Hudson (Chairman), Ellerybank, Kirkintilloch
W M Campbell, The Laurels, Grove Park, Lenzie
John Dickson (Secretary), Avondale Place, Kirkintilloch

Hudson was an interesting choice as Chairman since he seems to have played very little part in the administration of Lion up to incorporation. Many employees availed themselves of shares in the new set-up.

Just before incorporation an inventory of plant and stock in trade for the Inland Revenue recorded that Moveable Stock was valued at £11,469:13:6d of which £5,961 was patterns, indicating how valuable these were.[26]

In April 1893, William Cassells, Chief Draughtsman and Designer, another of Walter Macfarlane's employees at Saracen, was persuaded to join Lion. He was appointed to 'the charge of the drawing department' at a salary of £200 per annum, payable £150 in cash and £50 in shares. Cassells was also obliged to take an interest of a further £200 in shares as part of the deal.[27] Cassells bought 8 ordinary shares in July 1893 and the directors' minutes record him subsequently taking one virtually every month presumably till he had at least the total required of him.

Cassells was both gifted and skilled and his recruitment was a major coup for the firm. It gave them the springboard from which they could seriously develop the larger decorative structures, mainly undertaken by Saracen, which were more prestigious, and more importantly profitable.

Also in April 1893 the secretary reported that the sales for the three months ending 31 March 1893 had been £7,591:17:5 as compared with £7,118:1:11 for the same period in 1892, an increase of £473:15:6.[28]

Even after incorporation, financial liquidity still seemed to be a problem for Lion and this was further exacerbated in May 1893 by the Commercial Bank insisting on the 'immediate discharge' of a bond for £1,500 which they held over the works. Alex Whitson was delegated to;

'call on the bank's solicitors with the view of ascertaining whether the bank would be prepared to come to some arrangement for continuing the loan.'[29]

Hudson submitted plans in September 1893 for extensions to the moulding shop and tenders were received from David Marshall, of Kirkintilloch, for the woodwork and from Braby & Co for the iron roofing.[30]

In order to meet increasing demand, at the end of 1893 a proposal was submitted to the board to erect a new cupola and the offer of Messrs Penman of Glasgow was accepted, however Alex Whitson was to 'call and endeavour to get Messrs Penman to reduce their offer.'[31]

The conversion to a limited company appears to have stabilised the business and a gross profit of £2,740:19:0 (£365:7:10 nett) was declared in December 1893. Dividends of 6% on preference and 8% on ordinary and deferred were declared.

In May of 1894, Robert Hudson had a meeting with the Reverend Morrison regarding the possibility of Lion feuing more land in the former church glebe. They were looking for one acre adjoining the north side of the present foundry. Lion were also interested in the field at Barleybank, provided they could sublet what they did not need for ironwork for grazing. The rent of the field was set at £15 per annum and the feu in the glebe ground at £25 per annum. Hudson confirmed to Morrison that the new buildings would be very similar to what already existed.[32]

January 1896 saw the last of the company's debts cleared off, including a bond originating with James Jackson in 1880 but later

taken over by a bank.[33] By March 1896 further expansion was contemplated but the space available was very limited. A proposed extension to the moulding shop would employ 12 extra men and yield 2-2.5 tons more finished castings per day.

In fact by the end of that month, the need to extend had become acute and Hudson reported:

'Owing to the pressure on the works of late, particularly in the baths department which was so much in excess of the present capacity for output and economical working, the Managing Directors had deemed it necessary to recommend for the consideration of the board for further extension of premises; and that for the information and guidance of the board enquiries had been made and an advertisement inserted in the newspapers in reply to which several offers had been received of premises more or less distant from the present works. They also had received information regarding The Old Foundry, Kirkintilloch, to the effect that the present proprietors, Messrs McNeill & Co were prepared to sell or let the ground and buildings there. After lengthened consideration it was agreed to make further enquiries regarding the Old Foundry and that further consideration of this matter be deferred pending reply from Messrs McNeill & Co.'[34]

The following month the question of the foundry extension was discussed again and the Chairman submitted plans and an estimate for moulding sheds on the Glebe land adjoining the present moulding shop and a continuation of it. Hudson was again pressed to visit the Rev Morrison and 'endeavour to gain his consent' to the proposed new buildings on the Glebe at a rent or feu not exceeding £30 per annum per acre.[35]

At that same meeting it was brought to light that the company's rights to one of its registered designs were being infringed by the Falkirk Iron Company. The item in question was the registered

bath No 23 in the illustrated catalogue. The company's solicitors had written to Falkirk Iron Co but as yet had no reply.[36]

Interestingly it appears that an offer was made to buy Lion Foundry in May 1896 and while the directors were broadly in favour, they informed the potential purchaser that the returns would not be great if the core business was only iron founding. Nothing more was heard of this episode.[37]

The directors considered the best way of raising finance for the Foundry extensions and the extra capital to support the increase in business. They decided to issue 500 or thereby of the remaining preference shares giving first refusal to current shareholders.[38]

A letter was received from Mrs Cuthbert requesting that she be represented on the board by her nephew, A Ritchie of Aberdeen, which was not unreasonable since she held about one third of the company's shares.[39] This request was turned down however and James Lockerbie, already of Lockerbie & Wilkinson, Birmingham, was invited to join the board.[40] The relationship between the two firms was a symbiotic one, in that Lockerbie and Wilkinson acted as a fabricator of iron structures, extensively using castings from Lion but with the Lockerbie and Wilkinson name on the castings. The small shelter in the Lincoln Arboretum employs Lion ironwork. Unlike Sun and Saracen, Lion seemed content to supply goods in this way.

Lockerbie, of Birmingham, had been taken on as a director after Campbell left but his connection with Lion was short-lived. In May 1899, he was 'compelled, owing to calls on his time to resign his position on the board.' Lockerbie also cited a conflict of interests

in 'prejudicing the interests of his own firm in respect of their position as buyers from other foundries.'[41]

The additions to the ground and buildings in 1897 cost £4,731:2:11d giving a nominal valuation of the whole site at £8,000 after depreciation. By late 1897 however even the new extensions were proving inadequate to the ambitions of the company and Hudson was tasked with finding suitable ground or buildings in the Falkirk District.[42]

Fortunately a move to another site proved unnecessary when Hudson approached John Dick Marshall, proprietor of Broadcroft Park, adjacent to the foundry and received an offer to feu. The terms on offer were: feu rent of half an acre equivalent £50, for one acre £45 or for the whole park of one and a quarter acres, £40 per acre. It was fairly obvious that Marshall wanted the whole lot feued. Hudson again produced plans for proposed extensions and the go-ahead was given to proceed.[43] A further addition to the transport links, a siding with new bridge over the Luggie, was completed by The North British Railway Company, but somewhat over budget. Originally estimated at £484, costs escalated to £600 and Lion were initially reluctant to pay the difference. They did eventually but then complained to the railway company that the siding was being occasionally used for other than Lion Foundry business. Ultimately, and presumably to address this grievance, the railway sought permission to build two further sidings nearby.

Between 1899 and 1905 Lion nearly doubled the size of its premises, investing £12,000 for that purpose. New or improved facilities included a new moulding shop, company and drawing offices, warehousing and an increase in the railway loading yard. A

fourth cupola furnace was installed.[45] A new wharf capable of accommodating two scows (barges) was built on the Forth and Clyde Canal in 1899 at a cost of £55.

In December 1899, Brown and Whitson proposed that the Chairman, Robert Hudson, and the Secretary, John Dickson, should get bonuses of £100 and £60 respectively:

'in consideration of their exceptionally arduous and successful efforts during 1899.'

This started a trend and in all but a few successive years, directors picked up bonuses. A bonus scheme for staff at lower levels was introduced some years later.

In June 1900 the need for further extension again arose. Robert Hudson proposed that a new pattern shop and drawing office be built. This had arisen from the increase of work in the construction departments. The opening of a new fitting shop had rendered pattern shop and drawing office facilities inadequate.

'The architect and measurers had estimated the cost at from £1,500 to £2,200.'[46]

The extensions under consideration this time round consisted of a new warehouse and shipping facilities and for the conversion of the existing warehouse into extra moulding shop accommodation. The estimated cost was £5,000. It was also deemed desirable to approach the trustees of the late John Dick Marshall to acquire another acre of land.[47]

Business must have boomed soon after and in 1904, following a 29% increase in profits from the year before, the dividends paid

out were generous. Preference shares attracted 8% and ordinary, a healthy 10%. This enhanced dividend situation was to prevail for a few years.

The run of success for Lion finally came to an end with a recession from about 1907 to 1911. This hit the foundries hard and only the reserves of capital that Lion had accumulated in the good years stopped them going under.[48] The rapid expansion of the very late 1890s and early 1900s had to be matched by several years of profitability to replenish capital funds. Dividends had been consistently good for several years and the reputation of the company for quality work led to some of the most prestigious projects in its history; the Leeds Arcade, the new stand at Ascot racecourse and the façade of the Metropole Theatre in Glasgow among them.[49]

There had been a recession in iron founding industry in 1900/1901 but Lion had been relatively unaffected, not so in 1909/10. The lack of orders meant that Lion laid off 150 men and the rest were put on a 3-day week.[50]

Lion's operating profit fell from £5,027 in 1907 to £827 in 1909. The firm paid dividends only to preference shareholders and in 1909, 1910 and 1911 had to finance this by drawing £500 each year from its reserve fund. During this period of recession the Board of Directors seriously considered amalgamating with other Glasgow iron founders to form a conglomerate big enough to cope with the cyclical nature of the industry. John Dickson wrote in January 1910 that he believed that if the market did not improve in 1911/12, the company would have to draw on all its reserves just to stay in business.[51]

Directors were asked to make savings wherever possible, however, it was still deemed worthwhile to guarantee £100 towards the staging of the Scottish Exhibition of National History, Art and Industry to be held in Glasgow in 1911.[52]

Fortunately the market did start to pick up slightly again in 1911 due to an upturn in the building trade and amalgamation plans of similar firms were only briefly considered.[53]

However, given the cyclic nature of the trade and its particularly bad period from 1907-11, there again arose a general feeling that collective action was needed for survival. A meeting of the manufacturers of light castings was held in the Grand Hotel, London, on 8 and 9 November 1911. John King of Keppoch Ironworks, called to the chair, explained that the purpose of the meeting was to:[54]

'consider a scheme having for its object the improvement of the condition of the Light Castings trade and the prevention of the suicidal competition which at present prevailed.'

An executive committee was appointed to make the necessary arrangements to carry the scheme into effect. The target date for putting the scheme into force was 1 January 1912. This would become The National Light Castings Association (NLCA).

In February 1912, the health of the Chairman, Robert Hudson, was giving cause for concern and it was decided that he be relieved of his active duties of Joint Managing Director as of 31 March 1912, however he would be retained as a consultant.[55] At the same meeting William Hudson was appointed Works Manager at a salary

of £4 per week plus a 1% bonus on all dividends paid by the company.[56]

At the Annual Meeting in March 1912, Acting Chairman, Alex Whitson, announced that as a result of the continued depression, increased cost of production, keen competition and low prices, there would be no dividend again that year. Robert Hudson, co-founder of the company and Chairman since incorporation in 1893, died in July 1912 and was replaced in the chair by Alexander Whitson.[57]

Born in Kilbirnie, Ayrshire, in 1844, Whitson moved to Glasgow in 1860 joining a large coal and iron exporting company. In 1881 he set up his own company, Whitson & Co, also trading iron and coal. In addition to his involvement with Lion he was also a director of the British Hydraulic Company at Whiteinch. Whitson died on 28 November 1928 at the age of 84.

Surprisingly, given the 'depression' of 1907-11, the number of employees at Lion peaked at 503 in 1913. Indeed the total workforce of the 3 surviving Kirkintilloch foundries also peaked in 1913 at 1,130.[58]

The First World War had a profound effect on the Kirkintilloch foundries. All 3 were ordered to stop production for overseas customers as of 5 August 1914 in anticipation of the outbreak of hostilities. Within a month of that happening each foundry was given war work commensurate with their particular capabilities. Lion initially produced gun limbers and other military items such as support beams, gutters etc for trench building. Lion continued to produce its range of lighter domestic castings but at a much

reduced level and even some of this output was put to military use. By 1917-18 Lion was also making steering gear components for the early battlefield tanks.

Lion Foundry revealed a philanthropic attitude in August 1914 when it was agreed:

'that one third of the average weekly wage of the married employees of the company who have been called out to service in connection with the present war be paid to their wives and families, the same to take effect as from date of last pay, and be continued or modified at the discretion of the board.'[59]

Lion and South Bank were both taken over officially by the government on 15 October 1915, although the pre-war management were allowed to remain in day-to-day control.[60]

In stark contrast to pre-war social practices, women were increasingly sought to fill the vacancies. Lion and South Bank both regularly placed adverts in the Kirkintilloch Herald "Strong women wanted for foundry work". By 1918 nearly 25% of Lion's workforce was female.[61] However, by the summer of 1919 the majority of women workers were laid off, chiefly to make way for men returning from the armed services.[62]

John Dickson, long serving Director and Secretary, retired under doctor's orders on 29 March 1919. The company awarded him £90 in lieu of five weeks wages and conferred on him an annuity of £250 'to be paid during his lifetime.'[63] As a result of Dickson's retiral and to boost the board's numbers, three new directors were appointed, Wm Hudson, Gilbert Whitson and Archibald L Brown. Archibald L Brown was also appointed Secretary.[64]

The first six months of 1920 seem to have been particularly lucrative and the June Directors' meeting responded in favourable financial terms. The Secretary and Works Manager's salaries were raised to £10 per week, the Works Manager received a special bonus of £200 and the Secretary, 2% on all dividends paid by the company. An honorarium of £25 was paid to Walter King, the cashier, and £200 was paid to the two Managing Directors and G C Whitson. The latter also received 2% on all dividends.[65]

Indeed 1920 seems to have been so successful that bonuses were paid to foremen, travellers & office staff for the first time, as per a list drawn up for the purpose. This trend was to continue in parallel with the bonus payouts to the directors but not extended to those working on the shop floor.[66]

In 1922, a tender for £4,581 from Messrs Anderson Munro Ltd, Glasgow, was accepted for the supply and installation of an electric supply of power and light, to be generated by a Rushton Hornsby oil engine.[67]

Despite the problems affecting the industry in general, Lion were doing well and in June 1927 the Board agreed to a distribution of some of the reserves of the company which had reached £30,000, more than was required in the business. There was a bonus of £5 per share on all classes along with a 5% interim dividend. This action would reduce the reserves to around £15,000.[68]

Still resisting the effects of global recession, Lion made a profit of £10,596 in 1927, again paying 8% and 10% dividends on preference and ordinary shares respectively.

Alex Whitson, the Chairman, died in November 1928 and was succeeded by Neil M Brown, who had been a director since 1893.[69]

William Hudson, the Works Manager, was forced to retire through ill health as of 1 March 1931. He was awarded a pension of £250 per annum in consideration of his long service to the company. Three new directors were appointed to bring the total up to six. They were A C Wells, Robert Dickson and Robert Hudson.[70] Archibald L Brown was appointed Joint Managing Director and Works Manager and Robert Hudson, Secretary.[71]

By 1932, work was scarce, Lion went on to a four day week, with Saturdays and Wednesdays the idle days. Wage reductions, commensurate with the reduced working hours, took place and travellers were urged to keep expenses to a minimum.[72] To compound the company's difficulties, the Luggie Water burst its banks again that year flooding the moulding shop.[73] William Hudson, son of founder Robert, and himself a Director and Works Manager, died in April 1932.[74]

Lion had been sending quotations to Messrs Hope of Birmingham (presumably Henry Hope, the window manufacturers) and were disappointed with the response. The Secretary was instructed to write to Hope to ascertain why so few orders were being placed, since the generation of each quote 'entailed a good deal of work.'[75]

Messrs Palocci of Cairo were appointed agents in Egypt and A L Brown was remitted to go to Copenhagen to interview a possible candidate as a Scandinavian agent. An advance copy of the *Building Fronts Brochure* was submitted and approved.[76]

Hay Nisbet, 73 Dunlop Street, Glasgow, were contracted to produce 2,000 copies of the new catalogue at £503:10:-

Work continued to be slow in 1933, predominantly in the fitting shop, and James Leitch was delegated to visit jobs 'completed by our competitors and to report thereon.' The travellers were also asked to report on every constructional job 'we had quoted for in their area.'[77]

Neil Brown, the Chairman, died on 26 November 1933 after a remarkable 53 year connection with Lion, 40 of these as a director. Robert Dickson, presiding, said that while he and Mr Brown did not always see eye-to-eye he, and all the others on the board, had been impressed by his character and behaviour. Dickson went on to say:

'He joins that band of pioneers, Jackson, Cuthbert, Hudson, Dickson, Whitson, Brown, the last of the original founders and pioneers of this firm.'[78]

Robert Dickson was appointed Chairman and Managing Director.[79]

In August 1934, the directors considered the position of the Edinburgh Warehouse and its Manager Mitchell, who appeared to have been in financial difficulties and transgressing company rules. Mitchell was asked to resign but it would appear that part of the set-up was actually his since the Secretary was remitted to 'negotiate with Mitchell regarding the premises.' It was agreed 'that the Edinburgh Warehouse should continue and to appoint a representative and to retain the services of the present assistant.'[80]

The original Edinburgh premises at 12 Rose Street appear to have been disposed of since an opportunity to purchase 70, 72 and 74 Rose Street Lane South from G Stewart & Co Ltd was received by Lion in October. The asking price was £2,000 and the deal was struck at £1,800 in November.[81]

Robert Dickson reported on progress being made with new design shelters but also highlighted problems with constructional work for the fitting shop. He would call together Messrs Leitch, Rodger and Smith along with the Works Manager and Secretary:

'witha view to obtaining the keenest possible methods of production and any suggestion or idea which would tend to keep that department busy.'[82]

Trade began to pick up for Lion in 1935. They received the first order for 500 telephone kiosks from the Post Office at an approximate value of £13,000. However in order to carry out this order and other new work, certain new plant would be required. The Managing Directors had visited the Olympia Exhibition and recommended purchase of all or part of the undernoted equipment:

Plain squeezing m/c, Coleman Engineering Co
Mumford Jolter, Jackman & Co
Sand Mixer, Spermdine Ltd
Sand Blast Plant, Constructional Engineering Co[83]

1936 saw a continuation of better trading conditions, orders on hand were good but there was less demand for big gutters. Full production of telephone kiosks was expected to be achieved by the end of February and the contract scheduled for completion by 31

December 1936. There were good prospects of a follow-on contract for a further 1,000 kiosks.[84]

By the beginning of February 1936, the second order (for 1,000 kiosks) had been confirmed at the price of £24:5:6d each, this batch to be completed in parallel with the first 500 by 31 December 1936. The question of commission for the 'rep', Mr Bain was discussed and it was agreed that he would receive 2.5% commission on any cash received over £12,000 in one year.[85]

G W Jupp joined the board of Lion in August 1936 and Andrew Patrick became Works Manager, with R Miller of the Pattern shop as his assistant. James Leitch was asked to submit a report on a new catalogue since the present stock was almost exhausted.[86]

In October 1936, a guarantee of £500 was given towards the Glasgow (Empire) Exhibition of 1938.

Lawson's Garage was purchased from the Marshall Trust for £2,250 with entry at November 1937. Lion had, in conjunction with the BFA, taken action to try to ensure that the pipes and gutters used for the 1938 Exhibition would be cast iron. The Chairman reported on the status of kiosk production and that the Post Office would be sending out enquiries for 4,000 more in a few days, although Lion were not the only suppliers. There were difficulties in obtaining supplies of raw materials.[87]

James Leitch Junior accepted the Board's offer of appointment as Representative in 'F' district in March 1937 and a contract for 1,200 more kiosks at £24:10:6 each was received. An approach was made to Wm Arrol, in respect of the Glasgow Bridge project, to

include a clause that if raw material prices rose then so would Lion's prices. Lion would withdraw their tender if this was not agreed.[88]

A shortage of pig iron in June 1937 was posing a problem, the usual supplier, Staveley Iron Co had reduced their deliveries from 250 to 100 tons per month and their arrears were 450 tons. Should things not improve then alternative supplies would be sought from Stewarts & Lloyds and Stanton Iron Co.[89]

During June and July 1937, negotiations between the manufacturers and the Post Office took place to consider the erection of telephone kiosks throughout the country.

A further contract of 1,200 kiosks was received at the same price as the last batch. The Chairman reported that the erection of the kiosks on their sites would still be handled by the Post Office.[90]

To alleviate the raw material shortage, Lion purchased 400 tons of Continental iron from Wm Jacks & Co at 103/3d per ton. Authority was given to purchase another 500 tons if necessary. The question of the reliability of Lion's electricity supply and the merits of changing completely (they already provided standby facilities) over to Clyde Valley Power was considered.[91]

New factory legislation presented an opportunity to Lion in the form of fire escape stairs, and circulars were to be sent to c.12,000 people.[92]

January 1939 saw Lion successfully tender for another 800 kiosks. Early next month, with the clouds of war gathering, the Chairman

attended a meeting in London with Sir Andrew Duncan regarding supplies of material in the event of a national emergency.[93]

The level of pessimism regarding German militarism was reflected in Lion ordering two Air-Raid shelters from Melville, Dundas and Whitson for £300. They were completed by May.[94]

Tension in Europe increased further and in June 1939 a deputation of cast-iron manufacturers met with the Minister of Supply designate to discuss options for the industry in the re-armament programme. Mr Robert Dickson, Chairman and Managing Director, represented Lion Foundry.[95]

The first enquiries relating to armaments was received in March 1940 and addressed possible production of bombs. However plant costing £2,000-£3,000 would be required. Despite authorisation of the necessary expenditure, the bomb tender was in fact declined in April 1940 for reasons not specified. A second approach was made in July and expenditure was authorised up to £3,000.[96]

By August 1940, the trading position had become much poorer and Lion reacted by cutting the salaries of its senior staff.

Barr and Stroud, well-known manufacturers of optical equipment, including gun and bomb sights and periscopes, visited Lion in October 1940 to view unused parts of Lion for possible stores and workshops. The Ministry of Supply also visited to discuss munitions work. James Leitch Junior had now gone to the Navy and cover was arranged for his north district.[97] An offer of the new Dressing shop was made in November to Barr and Stroud, but they had found other accommodation meantime. Proposals had been

received from the Ministry regarding the machining of shells and fuse fitting. The possible manufacture of Nickel Alloy Cast-iron and the installation of a converter were also discussed.[98] War work began to filter into Lion late in 1940 and the December Board meeting considered a number of items plus other uses for spare company premises.

The Board looked favourably on the prospect of machining shells but 'regretted that it would be 5-6 months before machines would be available.' The manufacture of Bofors guns was considered but the lack of skilled labour might prove a problem.

Major Monkhouse, of the Ministry of Supply had sought storage for cases for shells and the board agreed in principle to the following:

The bath shed could be given at once.
Sheds 1 & 2; the board considered granting these favourably. Shed 3 would be considered once terms and conditions had been received.

In-house the Chairman reported that the patterns had been prepared for the order for 3" bombs and that arrangements had been made for the letting of shed No 3 to Messrs Barr & Stroud. The storage and cleaning of shells for the Ministry of Supply was also considered along with the possible letting of sheds 1 & 2 to Barr & Stroud. Arrangements were made for fire watching under the Government scheme, authority was given to supply some games for the men on duty.[99]

By June even coal was now difficult to get and the Chairman reported that general work was falling off rapidly, mainly due to Government licensing restrictions.

The 6-month account to 30 June 1941 showed a loss of £3,730 and no interim dividend was paid. The remarkable Robert Buchanan completed 60 years of unbroken service and Robert Hudson managed 47.[100]

By late 1941, the procurement of raw materials included small quantities of aluminium and nickel, the latter for alloying with iron. The 3" bombs were proving porous and thin in the walls and Mr Patrick was delegated to go to Manchester to investigate. A sample of anti-personnel bombs had been sent for assessment and these had also proved porous at the base. Another batch would be made and sent for test. Mr Bain, the 'Rep', was remitted to visit the Mond Nickel Co. to get their help on the iron mixture and also to advise the Simplex Company on machines required. Bain was further tasked with assessing the costs of machinery to produce 680lb bombs. Up to this moment in time 18,000 shells had been cleaned.[101]

As had happened during the First World War, many men were lost to the services and the Chairman reported that he had met, and had an agreement with, the Unions and it was proposed to introduce female labour into the Moulding shops. Overtime was now being worked continuously by the Works Manager and some of the Foremen, for which no payment was being made.[102]

Towards the end on 1942 Lion were offered, in addition to their own orders for 3" bombs, an uncompleted Macfarlane & Co contract

for 30-40,000. In addition to this was a contract for 50,000 4.2" bombs. Other work in progress at the time included exploder containers, G.E.C work and Paxman Ricardo covers, however the shell cleaning had been cancelled. The Government had again approached them regarding storage and a portion of the Moulding shop, not in use, was offered.[103]

Mid 1942 saw the cancellation of a number of general contracts (not war work) due to a shortage of labour. Canteen facilities were mooted and repairs to decaying roofs estimated at £1,548:9:-. The latter was dependent on receiving a licence for the work from the Government. Three inch bombs, exploder containers, Paxman Ricardo covers, GEC orders, shell cleaning plus a limited amount of rain water and soil goods were being made at this point.[104]

By July 1943, nose caps for the Ministry of Aircraft, Contact lights and Taxi fittings had been added to the range of products. Lion agreed to join the Anglo-Soviet Cooperation Trading Association.

Machine production of pipes was considered in February 1944 and James Leitch Senior died in March, after 54 years with the company. Carron Co had gone ahead with the procurement of plant for machine manufacture of pipes and invited Lion to visit once the process was up and running.[105]

Orders for war work continued to be received for the rest of 1944 and an order for a further 1,000 telephone kiosks also came in. Robert Dickson met with representatives of some of the larger petroleum companies in December and enquiries followed soon after.[106]

Even after VE day in April 1945, work continued on military projects, in support of the war with Japan. James Leitch Junior was offered the post of Chief Draughtsman, to replace his father, on his release from the Navy. Lion were to pursue this with some urgency.[107]

By May 1946 another order for 300 kiosks at £42 each had been received and the order book stood at £200,000.[108] There was still a chronic shortage of labour and there was a suggestion that Italian Prisoners-of-War might be taken into the foundries.

Robert Hudson was granted indefinite leave of absence because of illness in August 1946. Robert Dickson reported orders on hand for rainwater goods, special castings for Courtalds, Post Office, Harland & Wolff and Howard & Bullough. A blanket licence for one year's supply of rainwater goods was received from the Ministry of Supply. Factory improvements included a Dust Extractor in the Dressing shop, a crane in the box yard and a method of transporting boxes to and from the moulding shop, plus the possibility of erecting baths and lockers was considered. There were still severe production difficulties and 'orders were far in excess of works capacity.'

After the War, Lion again had to adapt to changing markets. Structural ironwork was still produced but there was an increase in engineering work. Keel blocks for graving docks, machinery frames, gearboxes and telephone kiosks being typical examples. Customers for keel blocks included Cammell Laird at Birkenhead and Vickers Armstrong on the Tyne. Cast counterweights were supplied to the Hyster Corporation for forklift truck manufacture.

Lion was still effectively an independent company and in 1946 the Board of Directors reflected second or third generation family connections:

Robert Dickson, Davaar, Kirkintilloch
E J Whitson, Forefaulds, E Kilbride
A C Wells, Burnroot, Lenzie
Robert Hudson, Ellerlee, Kirkintilloch
Robert Buchanan, Robin Hood Lane, Hall Green, Birmingham
David Bain, 46 Denbigh Road, Ealing, London

Even though the war had ended, raw material supplies, in common with many other items, remained rationed for some time. Mr Wells reported:

'On the difficulties of getting pig iron and scrap another licence has now been received for 830 tons iron to the end of July.'

Early 1947 saw orders for a further 2,950 kiosks received and Robert Dickson reported that orders on hand were becoming more difficult to complete. An order value £35,000 had been received from Head Wrightson & Co.[109] By August 1947 the order book stood at £275,000.

The Board considered the installation of a dipping plant and gave authority to purchase or feu the ground between the Luggie and 'our siding'. Purchase was authorised of a 3 ton crane for the Valley Gutter Bay at c.£1,000 and a 25-cwt Douglas truck at c.£223.[110]

Production levels did show a slight improvement during the rest of 1947 and 1948 but orders were still outstripping capacity as the

post-war recovery continued. Orders on hand at Lion in August 1948 stood at £170,000 for the fitting shop alone. Orders for 200 type B pillar boxes in September and 1,000 kiosks in November from the Post Office were tempered by an announcement of a slow down in orders from them in December.[111]

Later in 1947, new plant was authorised; a dust extraction plant for the Dressing shop at £9,000 and moulding machines, a compressor and overhead crane for the Moulding shop at £4,500.[112]

In July 1948, there was serious consideration given to setting up a new company to specifically manufacture pipes by the spun method. Robert Dickson was tasked with proceeding to Birmingham and meeting with Jones & Atwood (whose technology this appears to have been) Carrick & Foster, Ellerby Foundry, Sloan & Davidson and Whyman's Foundry.[113] However, after a series of meetings, the idea of this new company seems to have fallen through.

By the end of that year difficulties were being experienced with all categories of deliveries, except connections. There had been an overwhelming response to advertising that been sent out in relation to bus shelters. Orders in the rain water and soil goods section stood at 98,000 pipes and 58,000 half round gutters. Negotiations were taking place with Bailey Musgrove, Dublin, on an agency agreement for fire escape stairs and other special work in Eire. Lim Wee Cheng of Singapore was to be quoted for 'such rainwater goods as programme will permit.'[114]

Trade certainly appeared to emerging from the shadows of war and in March 1950, the Chairman reported that orders for rainwater

and soil goods alone stood at £80,000. Work on the baths was proceeding and the contractors were in the process of erecting the crane in position for work on the railway bridge. Cattle troughs were to be advertised in three agricultural journals from March to July and it was proposed to print and distribute 5,000 folders at an approximate cost of £80 advertising bus shelters.[115]

The workforce in 1950 numbered 300 and Robert Dickson died in December that year. E J Whitson was appointed to the chair.[116]

The labour shortage was still causing difficulties in 1950 and October that year saw the retiral of the redoubtable Robert Buchanan after an astonishing 70 years of service to Lion. Even more remarkably, that was not the end of his connection with the company since he pops up in the minutes again in July 1951.

Orders continued to test the production capacity to the full and in May 1951 a further complication arose when several of the moulders left to join a new foundry at Bishopbriggs. Despite the war being long over there was an enquiry into the possibility of more bomb making from the government.[117]

Late 1951 saw raw materials still hard to procure and Lion received an order for 700 more kiosks.[118]

New work was obtained from Avery and the Mersey Harbour Board and orders came in for a number of stairs, this would maintain production till Spring 1954.

Unfortunately for the rest of 1954 the trading position followed a downward trend. The Post Office requested a cut back in kiosk

delivery from 100 to 40 per month and Wilson requested a temporary reduction of 50% in pipes. To compound the problem, Lion were informed that, as part of the Kirkintilloch Development Plan, part of their ground was to be requisitioned for the service industry. Lion complained bitterly to the Secretary of State. Although the fitting shop remained quite busy through the middle months of the year with 17 bus shelters for Paisley and 30 for Worcester, the downward trend continued and both shelters and kiosks were made for stock in anticipation of tenders already submitted.

A minor recovery took place in late 1954 with fresh orders from The Post Office, Avery and Lamberton. Sixteen bus shelters for Ardrossan and more castings for Mersey Dock Harbour Board were also received.[119]

The cyclic nature of trading continued through 1955 and 1956 with peaks and troughs. Although orders were good, mechanical production had virtually stopped because of a rail strike in June 1955. The Conway Bridge project was delayed in December. Motherwell Bridge Engineering Co placed work with Lion which would last till 1960.[120]

David Miller reported in August 1955 that several big orders were making good progress through the works. The Fitting shop and Moulding shop were very busy but 'moulding labour is in short supply.'[121]

By June 1958, the Post Office had slowed down all its contracts and this was having a significant effect on Lion. Short time working was introduced as follows; men working on kiosks would have one

week off in every five and those working on cabinets one in every four, to be done on a rota basis. Similar arrangements were being made in the Moulding shop.[122]

The general malaise seems to have continued and a November 1958 board decision to re-invest some of the company's surplus was rescinded since £22,000 out of £25,000 from a deposit receipt had to be encashed to meet year-end commitments.

Miller's January 1959 report again highlighted the difficulty of finding work for all of the moulders and:

'…some suspensions may be necessary unless there is an early improvement'.

The same situation was now developing in No 1 Fitting shop.

Lion sold off the Edinburgh warehouse in early 1959 and sold off the remaining stock to PDM fittings Ltd. The Edinburgh 'Rep', R Smart, was given notice of the termination of his employment.[123]

The minutes of the Board meeting of June 1959 carried quite a lot of information especially on actual and possible new developments.

The National Research Development Association (NRDA) were prepared to grant a licence to operate a patent for manhole frames and covers at a royalty of 5% on net selling price and minimum of £50 per annum.

Casting in new compositions was considered and it was noted that to cast in Mehanite (a hard form of cast iron) would require a license and a royalty of 8/- per ton cast.

Regarding production of Nodular Iron, a normal furnace was not suitable and a small one of the type required; £800-£1,000 and a direct arc furnace; £30-40,000. Again a licence would be required, from the Mond Nickel Co and the British Cast Iron Research Association. Further information on Mehanite production was to be sought.[124]

In January 1960, the Moulding shop was fully employed and both cistern machines were now working. The prototype cabinet for Southern United Cables had been inspected at the works and sent to York for field tests. In No 1 Fitting shop orders for shelters were good but stairs were irregular.[125]

The situation continued to improve and by June 1960 the production report was good apart from pipe spinning:

'Overtime is being worked in the Pattern shop, in the Moulding shop good progress is being made on all special castings, No 2 fitting shop is very busy and the situation has improved in No 1 shop. In the Spinning department the machines have been off for a fortnight, due to bearings having failed in both cases in spite of a very short life. The suppliers of the bearings have been examining the machines and consider that fibre and not metal casings are required. As delivery of the fibre casings is uncertain at the moment there is no indication of when the machines will be ready. Meantime the men operating the machines have been dismissed until repairs have been completed.'[126]

Typically it was then all change and the trading position of Lion appeared to be giving some concern in early 1961. The Board tasked themselves with investigations into several facets of company activities. The selling of investments was mooted and detailed work study of the Post Office contracts carried out. Costs

pertaining to travellers and the Drawing Office were also put under scrutiny.[127]

The situation continued to deteriorate over the next year and the February 1962 production report made for dismal reading:

'Mr Miller reported that there had been no improvement in the Moulding shop. There are six men in the shop who will be without work unless something comes in today and who otherwise will require to go tonight. Since December they have been working intermittently on orders and for stock, and were given notice two weeks ago.

In the Fitting shop there will be nine men redundant by 2 March 1962 who are at present working on cabinets. Regarding one quotation for No 7 cabinets we were given the opportunity of taking 100 at fifteen per cent below our quotation, to which we agreed and we now await the contract, this will employ two moulders and two fitters. Our normal constructional work is very meagre.

Following Mr Hudson's preliminary work, we have been given some kiosk castings to make by Carron Co, which will give approximately three months work.

We have a fair amount of work from Inglis & McInnes with prospects of more.

The Pattern shop is now very busy preparing patterns for an order for Ingersoll Rand. Mr Miller had ascertained on his visit to Manchester that probably they will be requiring 70-100 tons per week, in which we hope to share but our success in that will be determined by the present order.

Some complaints had been received from the Post Office regarding porous castings and a one hundred per cent visual inspection regime had been implemented.

Future GPO orders would be considered as they came forward and decisions taken regarding the build up of prices.'[128]

The situation really came to a head in April 1962 when A R Wells, entirely on his own account, sent a circular to the shareholders

suggesting that Lion Foundry be 'shut down now'. This was followed up by a letter from a furious David Dickson, the Chairman, expressing surprise at Wells' action and disagreeing with his conclusions, intimating that this was also the opinion of the rest of the board. Dickson referred to the improvement shown in 1961 and did not think it was 'the last flicker of prosperity before the final disaster.' Times were bad but that was throughout the industry and Lion had as good a chance of survival as many others.[129] Wells resigned over the incident and while he may not have been entirely wrong, Lion survived for another 22 years.

Following now familiar cyclic trends, business had begun to pick up again by April 1962, with D C Miller reporting the situation as very satisfactory. Work in hand included shelters, keel blocks, Post Office work and an order for Inglis & McInnes (nature not specified). All of the departments were fully employed and a Paisley job for stairs and gangways would require overtime to complete 'during the customer's holidays.' A response to a quotation for light frame and cover units was anticipated soon.[130]

The Post Office had intimated by telephone that they were prepared to order 300 kiosks if Lion would reduce the price by 5%. The board considered this discount excessive and offered 2.5%.[131]

The very satisfactory trading position carried on with orders for heavy castings for Hyster Ltd (forklift manufacturers) becoming regular. A price for a quantity of six prototypes of a new type of kiosk had been supplied to the Post Office.[132]

The Building Fronts Association (BFA), of which Lion had been a member for a long time, announced that:

'Due to the Restrictive Trade Practices Act 1956, the BFA Price Maintenance Agreement is being discontinued and prices will be free as from 1 January 1963.'[133]

This was a very significant step for Lion, the BFA had been set up to maintain prices, ridding the industry of cut-throat competition. Now the free-for-all had returned.

An order for keel blocks for Malta was expected to be complete by the end of February 1964 allowing other orders to receive more urgent attention. Lion had received an order for 90 type C oval pillar boxes at £194:13:- each and also for frame and cover units. Orders for stairs were good and a job for the BBC had just been completed, drawings had been prepared for similar work in Birmingham for the same organisation.[134]

In a situation not uncommon in manufacturing industry, Lion reported difficulty in producing work for Inglis & McInnes, the reason being that they did not have the right kind of moulding labour available:

'…our best men being on more lucrative work.'

To remedy this Lion was in touch with several companies who were actually shedding moulders; Forth & Clyde Steel Founders, Walter Macfarlane & Co and Shaw McInnes.[135]

In January 1965 D C Miller reported that 'prospects were very bright for some time ahead.' An order for keel blocks for Crouch & Hogg had been received but Post Office frame and cover units were still unsettled. However it was likely that Lion would be asked to quote for repeater bases for the latter shortly.[136]

Midsummer 1965 saw a similar optimism:

'On resumption after the holidays every section will be working to full capacity until the end of the year to meet the orders on the books. In constructional work we are very busy and with the prospect of another £37,000 contract from the Post Office their work will keep the constructional department going for another year.'[137]

A year later the Post Office contracted for heavy type frame and cover units to the value of £100,000.[138]

Following an external audit of production procedures and recording, it was agreed to look at Lion's systems more closely and revise them in order to maintain better control of production.[139]

June 1968 proved to be a major milestone in Lion history. D C Miller reporting that an order worth £427,000 was about to be placed by GEC for heavy units and No 1 carriageways. This was the largest order ever booked with Lion. They also received an order for 12,000 light units possibly from the failure of another contractor to give satisfactory service. Instructions were also received to proceed with the production of No 8 kiosks. Orders for stairs and shelters remained good. The new Production Control Scheme was now in operation in the Moulding shop.[140]

The first six months of 1969 were anticipated as being quite good but the prospects for the latter part were unclear. Orders were anticipated from Lamberton for skid blocks and from St John's Wood Barracks for stable divisions.[141]

The quality of castings for the No 8 kiosks, particularly side panels, was poor and remedial action was required to be taken immediately. A meeting had been held with foremen of Pattern, Moulding and Fitting shops on the subject of quality improvement on the kiosk castings. Mr R Marshall, a former foundry technician was called in as an adviser to the Moulding department.[142]

In January 1970, a letter was sent to all shareholders viz:

'Your Directors have been approached by a public company who are interested in acquiring the whole of the issued share capital of Lion Foundry Ltd.

Your Directors have entered into negotiations with the company concerned in order to ascertain whether or not an offer can be obtained which they can recommend to the shareholders.

I will write you again as soon as I have anything definite to report and meanwhile I would suggest that you do not sell your shares.

Yours faithfully
R Murray Hudson
Chairman'[143]

A meeting of the directors of Lion Foundry was held two days later in the Burnbrae Hotel, Bearsden. After lengthy discussion on the value of the shares, the directors agreed that if an offer of £500,290 were made by Kent Castings Limited, in the manner already proposed by them, they would recommend acceptance of the offer. The price offered by Kent Castings for each share was as follows:

Preference share of £10: £133
Ordinary share of £10: £135
Deferred share of £1: £156

An offer document was sent to the shareholders in late February 1970 and the takeover duly took place.[144]

In late 1970s, the position of Lion under new ownership was assessed and it was hopeful that the budgetary profit level for the year ending 31 March 1971 would be realised. Miller reported that while sales numbers were being achieved, profits were more difficult. Price increases for Hyster, Heat Storage Blocks and some Post Office contracts would come into effect as of 1 January 1971.[145]

Sales in October had again been affected by a shortage of glass for No 8 kiosks, there now being a stock of 70 kiosks on the floor awaiting inspection. Contracts had been received from the Post Office for Frame and Cover Units and No 3 cabinets, valued at £300,000, making orders on hand £730,000. This was an increase of £75,000 over last year.

The question of reducing the number of sales areas to correspond with Group divisions of sales districts was discussed and a report commissioned.[146]

Scrap was becoming increasingly difficult to obtain and indications were that the price might increase from £14 to £20 per ton.[147]

December sales failed to reach budget levels due to absenteeism of 12% in Production departments, continued reduction in Post Office demand for heavy frame and cover units and machine breakdowns including cranage in the Dressing shop.[148]

Quotations had been sent to Marathon shipbuilders, Alexander Dunn and Lancer Boss. Feedback from Boss was that Lion's prices were 33% too high. No response had been received from J C B.[149]

Some sort of disagreement appears to have occurred with the Post Office regarding pricing. One of the directors of Lion, Mr D Smith, was tasked with meeting the Post Office to seek a solution, but he should be careful not to cause unnecessary embarrassment to the latter. The present position of No 2 carriageways was a loss of 4% to Lion while No 3 carriageways yielded a profit of 6.5%. Overall profit for the year was predicted at £130,000 compared to the budget of £80,000.[150]

The recent transport strike had affected deliveries of raw materials and foundry coke remained difficult to obtain. Parent company Norcros Ltd congratulated the management of Lion in their handling of that situation.[151]

By 1976 Lion appears to have been working in parallel with Ripley in Norcros iron founding work. The directors' meeting of March 1976 reflected that trade prospects were still generally depressed. Profits at Kirkintilloch would be over £225,000 for the year ending 28 March and the first two periods of the next financial year also ahead of budgetary profit. Future performance was related to a further order from Yarrows. Ripley, on the other hand would show a loss of £50,000 for the last financial year but indications were that break even might be arrived at earlier than forecast.[152]

R Murray Hudson, formerly Chairman up to the time of the takeover, announced his intention to retire as of 1 July 1976. Contracts had been received at Kirkintilloch from the Post Office for

2,400 No 3 cabinets = £331,200 and 600 No 8 kiosks = £213,450. However, a letter from the Post Office advised a reduced demand for No 3 carriageways.[153]

The general performance remained satisfactory at Kirkintilloch but shortage of work in some areas remained critical. The first half year results would be good but work was required for all areas beyond that, with the exception of counterweights.[154]

Moving on to January 1979 it was reported that all departments at Kirkintilloch were working to full capacity although delivery of counterweights were being progressively affected by the haulage strike, allied to a drop in Hyster demand.[155]

By late 1979 the situation had deteriorated, period 7 losses at Ripley were £47,000 and £8,000 at Kirkintilloch, 'the Ripley loss indicating a trend that was not being contained.'

Both locations were to see organisational changes, the Chairman to assist at Kirkintilloch and the Managing Director at Ripley. Forecasts were of losses of £25,000, £10,000 and £20,000 for the next three months prior to any effect from the organisational changes.[156]

A year later and the trading situation was still finely balanced but increased output levels and containment of costs might have given a positive profit situation for the full year. The Post Office had confirmed the next contract levels for both carriageways and kiosks through to May 1981. Lion had embarked upon intensive apprentice and adult retraining programmes:

'To maximise this advantage, we are currently investigating the introduction of an up-market wood-burning stove, together with the remanufacture of the now obsolete No 6 telephone kiosk, where a demand of some 400 units has been identified. Currently we are manufacturing production samples of ornamental garden seat ends and lamp standards. Active marketing of these items had begun.'[157]

Lion proposed to use the Job Creation Scheme to take on at least two young people. By full use of grants there would be no costs to the company for 18 months at which time the trainees would be in a position to contribute directly. Negotiations were continuing with Hyster to maintain a small order at viable price levels. It was hoped that this, coupled with the Post Office improvement, would alleviate the need for an enforced redundancy situation.[158]

By late 1981, Post Office communication activities had passed to British Telecom, but procurement of equipment was still mainly from former Post Office suppliers. British Telecom was in the process of being re-structured to meet competition from the private sector and Lion's Chairman stressed the importance of holding on to these contracts. Lion would be investigating the marketing potential of architectural-type castings. This would suggest that they had long since abandoned that particular facet of their work.[159]

The commercial situation continued to worsen, and by February 1982 Lion were on a three-day week.[160] By March, all British Telecom contractual requirements were running at minimum call-off levels. Lion were now in a redundancy situation with numbers involved probably higher than the 61 announced in December. Lion were still trying to innovate and the old pattern store had been cleared. Patterns in the new store were being appraised. Sample

castings of the new 'Heritage' range would be available next month.[161]

Some work was still being received from British Telecom but it was also noted that Carron company had gone into receivership. Carron had also supplied the Post Office with cabinets and kiosks over the years. Lion hoped that they would be appointed sole suppliers of cabinets and kiosks.[162]

March 1983 saw further employee reductions and although some orders were coming in, they were a trickle compared to what had gone before.[163]

The field for Lion's cast iron work continued to contract throughout 1983. Although British Telecom were experiencing problems with GRP, they were pressing ahead with the changeover from cast iron. No more No 8 kiosks would be required from Lion after August 1984 and cabinets were expected to change over to GRP the following month.[164]

Lion continued to turn out kiosks and cabinets to British Telecom's requirements but numbers were gradually reducing and more redundancies were on the way. The reduced delivery requirements for January/February 1984 would result in a £100,000 drop in monthly turnover. Small orders continued to be received and a four-year plan was submitted and authorised.[165]

In February 1984 counterweight production was anticipated to cease leaving British Telecom and Post Office work 'approaching 100% of our turnover.' Given that these were also diminishing, it was imperative that Lion find other work. Municipal castings were

suggested pointing out that these were low margin but could be viable, in the event of reasonable numbers justifying appropriate plant.[166]

In August 1984 Lion received a complaint from British Telecom on No 3C carriageways. Eighteen carriageways had been returned from Birmingham on a fairly minor complaint. Upon examination by British Telecom inspectors, faults of a more serious nature were discovered and all production and stock was frozen. British Telecom also withdrew authorised release. In view of the sales and production volume this action; 'placed the company in a critical situation.'[167]

The threatened changeover to GRP also took place with only residual demand for cast iron spares remaining:

'This being a low-weight high added value product the effect is a major reduction in numbers employed of between 35 and 50 effective from 21 September.[168]

A special meeting of the Board was called on 16 October 1984 at which the following minute was taken:

'The special board meeting had been called in light of current projection of demand for Company's products. We can foresee losses continuing at a very substantial rate for remainder of this year resulting in a loss in excess of £500k. The level of investment required to change operations and attack new products is prohibitive in an industry already crippled by over capacity. There being no other options available it was resolved to close the Company.'

In 1970 Lion was taken over by Jim Slater who owned Kent Castings and then transferred into the Crittal Hope Engineering Group, formed by Slater after merging Crittal Manufacturing and

Henry Hope & Sons, two of the biggest window manufacturers in Britain. Slater sold off the entire Crittal Hope group to Norcros Ltd in March 1974 and they invested heavily in new infrastructure at Lion. Administrative control however, was moved to Reading.

Just as suddenly and unexpectedly, Slater sold off the group to Norcros Ltd and this at first seemed like a good move for Lion. Leitch recalled that Norcros invested heavily in Lion upgrading the foundry into a modern plant. However, speaking in 1980, Leitch did express some concern that Lion 'had too many eggs in too few baskets.'

This observation was an insightful one. Only four years later in December 1984, Lion Foundry closed.

Norcros closed the structural engineering department and transferred other engineering work elsewhere. This left Lion totally dependent on pipes, drains and gutters, a market where these items were rapidly being replaced by rigid plastic variants.

Norcros announced the closure of the remaining activities in December 1984 and the premises were demolished in 1985.

Lion Foundry – Design Led

Luring William Cassells from the Saracen Foundry in 1893 was pivotal to the firm's success. James Leitch Jnr noted in 1980 that;

'The original partners were qualified iron founders, but they themselves knew their limitations. They knew that they weren't designers and this is where William Cassells filled the gap.'

Cassells didn't come cheap however.

'Mr Hudson was wont to say "Splendid fellow Cassells – Splendid fellow but very expensive. He was paid £3 per week and wouldn't leave the Saracen Foundry for a penny less."

'A good tradesman then was earning between 30–34 shillings per week and a man (Cassells) who was earning 60 shillings per week was a highly paid man. He proved to be just the man that Lion Foundry needed.' [169]

Cassells left Lion in late 1899 apparently having decided on a change of lifestyle, he became a farmer near Stirling. Whilst the loss of such a prominent designer might have been a major blow, instead Cassell's departure paved the way for a father and son connection with Lion Foundry in James Leitch Snr and James Leitch Jnr. Cassells may not have gone directly into farming since in November 1900, he offered to transfer his 'Patent Clariform Lavatory' business to Lion, but the offer was declined.[170]

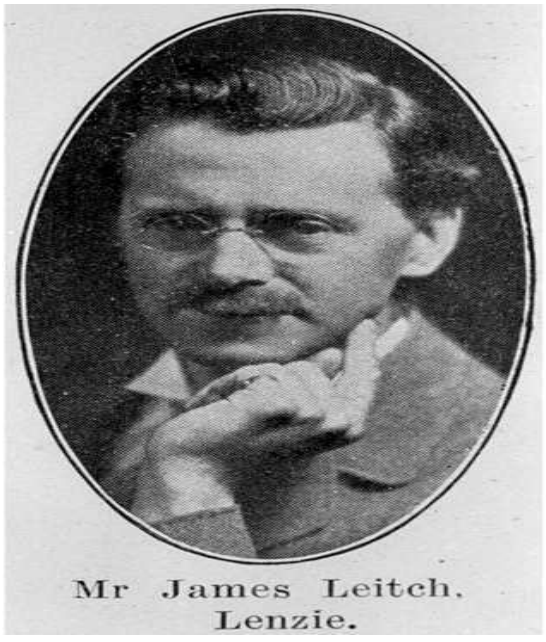
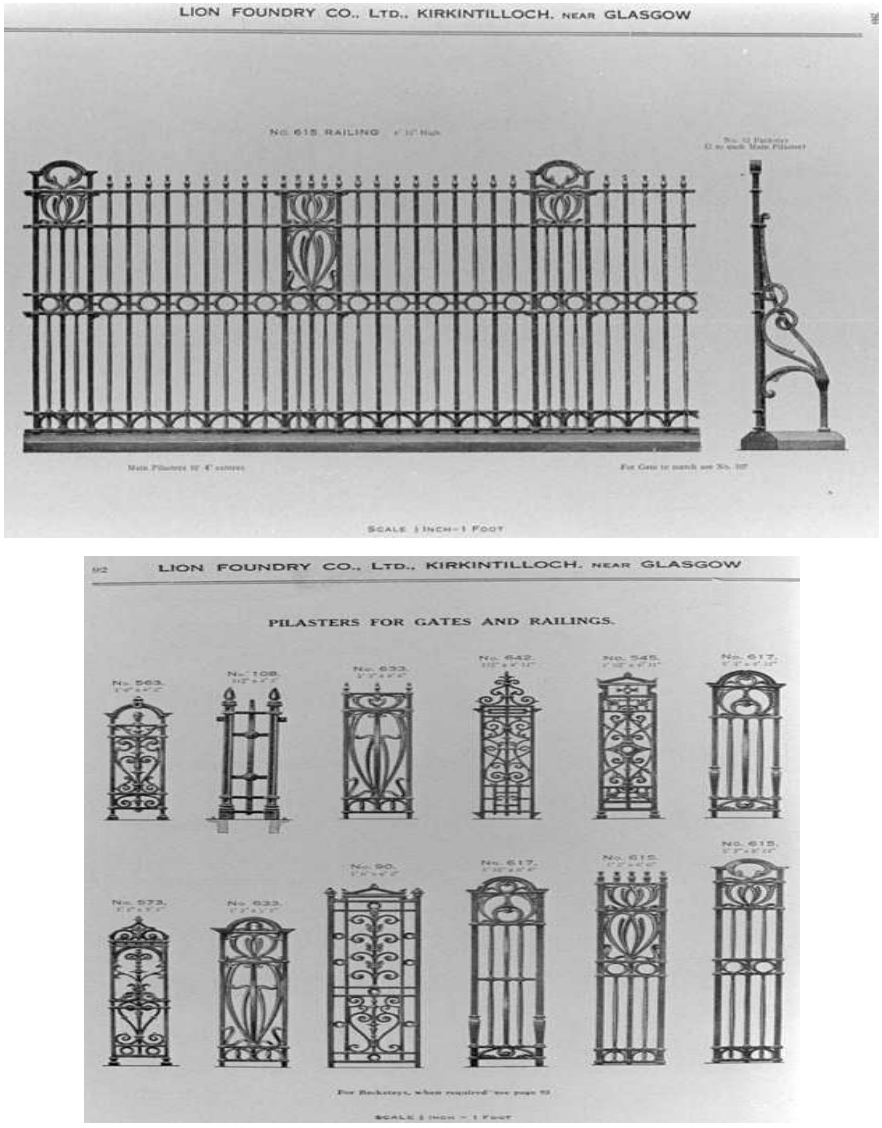


Fig.135: James Leitch Snr
(Courtesy of East Dunbartonshire Museums)



Fig.136: James Leitch Jnr at the Lion Auction Sale in the 1980s (Courtesy of East Dunbartonshire Museums)

Following Cassells departure, James Leitch Snr was appointed Chief Draughtsman on 1 January 1900, still only 22, and many of his drawings reflected the influence of the art nouveau movement, keeping the company very much in line with current tastes.



Figs.137&138: Art Nouveau Designs by James Leitch Senior

James Leitch Senior was born in September 1878 approximately 18 months before Jackson, Brown and Hudson set up in Kirkintilloch.

By September 1890, before his 12th birthday, James was already employed in the paint shop at Lion Foundry. The job was full-time, 6.00am till 5.30pm, a long day for a young lad but typical for the time. It was to be the start of a 54 year career at Lion.[171]

James' grandfather lived at Barleybank at this time and William Cassells, the Chief Designer would pass four times a day to and from work. Apparently the grandfather would buttonhole Cassells on a regular basis reminding him;

'I've a laddie in there who's a great drawer, he's just the type of person you need for your drawing office.'

Cassells saw examples of young Leitch's work; he appeared suitably impressed and James started in the drawing office soon afterwards.

Although having left school before his 12th birthday, James Leitch had not finished with his education. He immediately started attending various night schools in Kirkintilloch where, among the available courses, a young architect, John Shanks, was teaching building construction and elements of architecture. A great friendship grew between Leitch and Shanks, the latter becoming Provost of Kirkintilloch in later years.

Once Leitch had exhausted the education on offer locally, he moved on to Glasgow institutions, notably Glasgow and West of Scotland Technical College (now Strathclyde University) and Glasgow School of Art. At technical college he was taught directly by the famous Professor Charles Gourlay and, needless to say at Glasgow School of Art in the 1890s, he came under the influence (if not directly) of Charles Rennie Mackintosh.

Leitch Junior commented that the hey-day of ornamental cast iron work at Lion was probably 1900-1914. During that period his father commuted incessantly to Birmingham, Manchester, London, Blackpool and Lancaster among others. This nomadic life

prompted the young Leitch to become an avid collector of post-cards and stamps, many sent by his father on his travels.

The outbreak of the First World War put an end to the golden age of ornamental cast iron. Requisitioned by the government for war work, Lion transferred much of its infrastructure to that purpose, retaining only a small fraction for utilitarian castings for domestic consumption. The production of bomb casings was part of the war effort and a special cupola was installed to produce the correct type of metal for these.

Leitch Junior recalled that during the inter war years, Lion's reputation for good quality castings stood the company in good stead to win prestigious contracts. Among these were Buenos Aires railway station, Lambeth Bridge and Unilever House. Building styles were rather austere between the wars with the increase of concrete, which was often used in conjunction with structural iron, much of it visible.

James Leitch Junior started in the Drawing Office in 1930 and recalled working as an apprentice and later as a journeyman on many of these prestigious contracts.

In 1939, war again intervened and Lion was obliged to comply with government requirements. They made a wide range of castings for military use in air fields, dockyards and civil defence over and above the usual range of domestic items.

James Leitch Junior regarded the war years and immediately afterwards as the end of an era. Apparently large numbers of long serving Lion staff, some of them from family dynasties reaching

back to the early days, passed away over a short period of time. William Hudson, Bob Hudson, John Hudson, Robert Dickson, David Dickson and James Leitch Senior passed away in 1944. Even at foreman level there were deaths of long-experienced workers, Andrew Stark, Willie Wilson, Bob McArthur, George McLintock and Alex Rodger to name but a few.

One notable figure from this era was David Millar. He had started at Lion in 1919 as an Apprentice Patternmaker and left around 1930 joining a company in Leeds, eventually rising to become Foundry Manager. Millar was invited to return to Lion in 1945 as Works Manager which he duly did, progressing through Director, Joint Managing Director and eventually becoming Managing Director in his own right.

Millar presided over another series of changes to Lion's methods and products. Leitch Junior observed that Millar, himself and several others realised that the traditional Victoriana and ornamental ironwork that they had cut their teeth on was very much a thing of the past. If the foundry was to survive, they simply had to diversify. Much of the familiar ornamental work was replaced by a vast range of castings, especially for the engineering industry. No doubt war work had an influence on these decisions and many of the castings made for that purpose did not require much change to find civil and domestic variants and uses. Leitch remarked 'you name it and we would have a go at it.'

Leitch provides a valuable insight to the design side of the business.

'the iron foundry draughtsmen had to learn the elements of architecture. I well remember learning everything there is to know about the five orders of architecture. We were able to recite the various parts and names of an ionic, gothic or Corinthian column – all of these columns used in iron founding.'

He also notes a demise in skills, whereas in the early history of the firm all of the patternmaking and sculptural type modelling would be done in-house, after the first war it had to be undertaken by commercial modellers elsewhere. This included sculptural work commissioned to Pilkington Jackson for the breast panels for Lothian House on Lothian Road, Edinburgh.

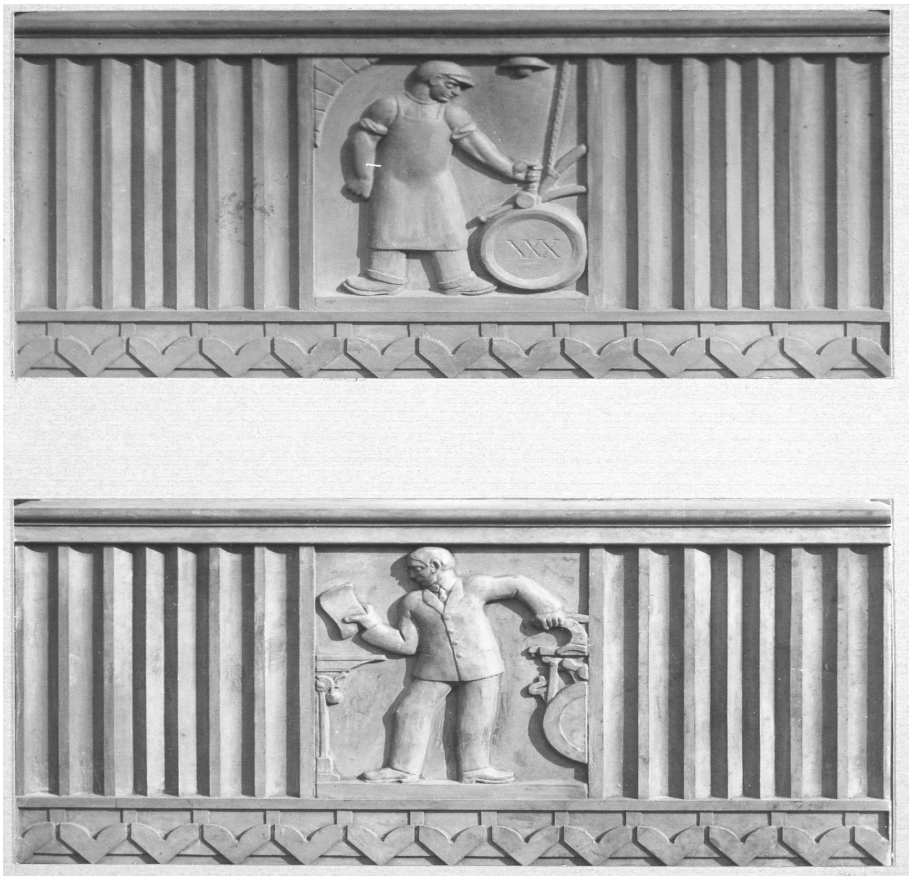


Fig.139: Sample Panels for Lothian House by Pilkington Jackson (Courtesy of East Dunbartonshire Museums)

The quality of design and modelling for building façade details, and in the castings that followed, were of the highest order.



Fig.140: Cast Iron Window Breast Panel, Unilever House, London by Thomas Tait
(Courtesy of East Dunbartonshire Museums)

Not all projects provided the means to commission work from scratch. Leitch notes that;

'Unless there was money in the job you couldn't always afford to start with new patterns…when you were designing you went to the file and tried to find out what patterns you had. Patterns are expensive things to make. You found a Greek key ornamentation here and you found a cresting somewhere else and you put the whole lot together.'[172]

In theory of course, the client would usually own the patterns as part of the project. Some firms would be up front and pay the owner a fee if the pattern was re-used, other firms would be less noble in outlook.

Promotion & Sales

As Lion pushed into the ornamental market territory of Saracen they used their first hand experience of the competition to best

effect. The increase in range of products is reflected in the size and scope of Lion's catalogues.

The original 1880/81 catalogue was a small book. The quality and presentation of this catalogue was not in the same league as the competition and in 1893, two lithographic artists, David Farquharson and William Parker, joined Cassell's team. Among them these three completely redesigned the catalogue, producing a catalogue in the style of the Saracen publications. Subsequent editions were much increased in size and range as the ornamental lines were developed.

Lion also used other paper based formats to good effect.

In October 1931, the Board called before them several of the travellers and Robert Hudson Jnr, suggested a folder or paper board catalogue showing various examples of Lion's work could be produced and this was subsequently done at A3 and A2 size.[173]

In 1932 it was agreed that a Brochure of Building Fronts should also be produced.[174]

Authority was given to compensate Architect, Thomas Tait for his drawing of new designs for shelters and also to obtain prices for the printing of illustrated sheets.[175] This association with prominent architects was a technique employed by Walter Macfarlane. Thomas Tait regularly used Lion Foundry for the execution of his building works in London, including Unilever House and St Andrews House.

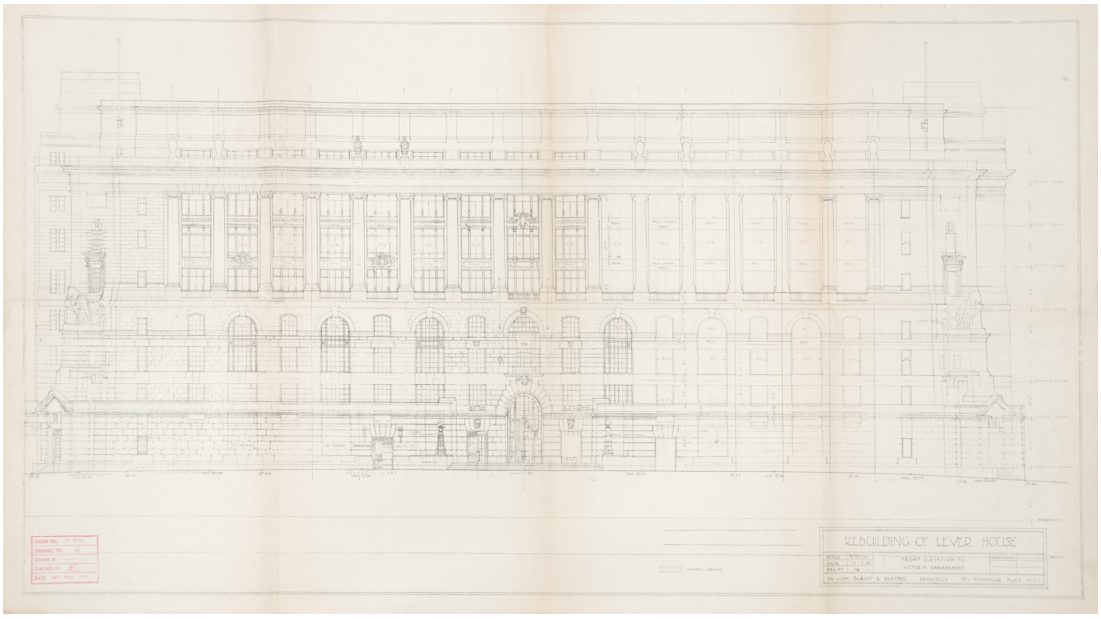


Fig.141: Unilever House, London
By Thomas Tait & J J Burnet, 1929
(Image courtesy of East Dunbartonshire Museums)

Throughout the history of the firm, the use of photography in recording finished projects was exemplary. The photography was high quality commissioned work and was then used in the production of catalogues portfolios and posters for promotional purposes.

The 1st edition of 1881 summarises the goods to be sold by the firm.[176]

Antifixae, gutters	Fountains, garden	Lions' heads	Soil pipes
Air bricks	Fountains, drinking	Lamp brackets	Sink traps
Bench standards	Fire-plug box	Lamp pillars	Stop-cock cases
Baluster sockets	Gutters H R	Mould blocks syphon	Stop-cock covers

Balusters	Gutters O G	Mould blocks elbow	Solder pots
Baluster Railings	Gutters Ornamental	Mangers	Stair balusters
Baluster Heads	Gutters Boundary wall	Newels stair	Stair railings
Boundary wall gutters	Gutters Centre	Ornamental RW pipes	Sockets baluster
Baths	Gutter brackets	O G gutters	Standards railing
Brackets, gutter	Gutters Antifixae	Ornamental gutters	Stair newels
Balcony railings	Gutters Stable	Pipes Rain water	Spiral stairs
Back stays	Guard posts	Pipe connections	Troughs cattle
Brackets	Gates	Pipes Soil	Traps sink
Brackets Lamp	Gratings, ventilating	Pipes Ornamental	Tobies
Brackets Stable	Garden chairs	Pipe heads	Terminals
Connections, pipe	Heads, pipe	Pots solder	Table standards
Connections, HR gutters	H R gutters	Panels	Urinals
Centre gutters	H R gutter connections	Pillars lamp	Verandah
Cattle troughs	Hip plates	Pumps	Wash hand basin ranges
Curb plates	Hay Racks	Rain water pipes	Water closet ranges

Crestings	Ink well	Ridge plates	Water closet fittings
Copings, railing	Ink well cover	Railings	
Chairs, garden	Kitchen sinks	Railing standards	
Desk standards	Kiln plates	Railing copes	
Ears	Lead ingots	Stable fittings	

The catalogue runs to 179 printed pages and while the frontispiece gives the company name as Jackson, Brown and Hudson, the outer cover has Cuthbert added, indicating that the main part of the publication had probably been completed before Cuthbert was assumed as a co-partner in March 1881. The preface to the first edition read as follows:

'In submitting this, the first edition of our Illustrated Catalogue, we would call the attention of Architects, Builders and others interested in the application of cast-iron to the decorative arts, to the great variety of designs in the following pages, which have been specially designed and got up by artists and modellers of over twenty years' experience in art metal work. The designs being all new and protected are of simple yet effective character and we have every confidence in placing them in the hands of our professional friends. We have not confined ourselves to any particular style of Architecture, but have rather endeavoured to produce such a variety of designs as will meet the requirements of all the different "orders".

We have for some time felt that there has been in the trade a too slavish following, and a copying of the designs of older firms, and we think it unfortunate that those employed in the constructive work should be limited for designs to one or two Catalogues, which have been before them for a considerable number of years, and we therefore hope that our labours in this way shall be appreciated and merit part of your favours.

We have through our frequent conversations with many of the most eminent architects of the present day, been led to make all

our Ornamental Gutters one quarter of an inch higher at back than front, being a matter of considerable importance in the case of heavy rains or flooding, thus preventing overflow to the inside of the building, which in ordinary gutters is the case, spoiling cornices and plaster work.

Architects or others having designs of their own can have them carefully carried out, and may, as often as they see fit, visit our Foundry during the progress of their work; or should they at any time wish us to submit designs in Verandahs, Conservatories, Shop fronts etc., we shall be glad to do so on their giving us particulars.

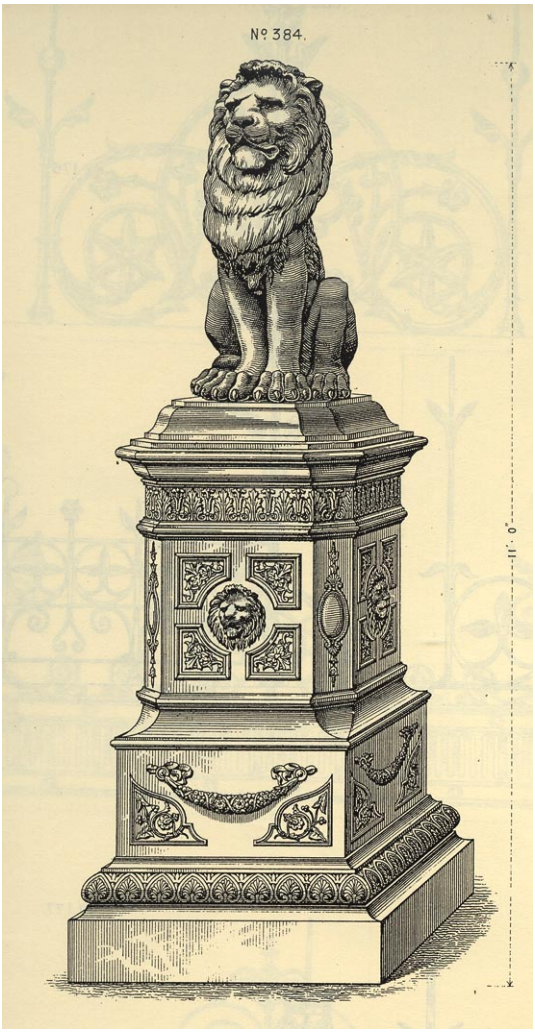
Having had very considerable experience in the iron Trade, especially in construction work, our Mr Hudson being for the last twenty-three years engaged in it, we have every confidence in promising that any order placed in our hands shall be satisfactorily executed.

JACKSON, BROWN, & HUDSON
Lion Foundry
Kirkintilloch, 1881'[177]

This preface makes some fairly assertive points. The designs are all new and registered despite having some clearly discernible Saracen influences, and the second paragraph is a fairly pointed comment on their competitors and former employers no doubt. Lion took a fairly aggressive stance but given their fledgling status they had nothing to lose.

It seemed that Lion acquired some of the Sun Foundry patterns at the turn of the century. James Leitch makes reference to it in 1980 when he notes that Lion 'bought quite a lot of their patterns'[178] and the drinking fountain supplied to Stirling Council for Kings Park is recorded to have been purchased from Lion Foundry but is clearly a Sun Foundry design.





Figs.142&143: Drinking Fountain, Kings Park, Stirling (left) (Photograph by D Mitchell)
From Catalogue of George Smith & Co, Sun Foundry, (undated) (right)

There was a clear and conscious effort to develop more structural lines or win design and build contracts from architects. James Leitch noted however;

'It was one thing to be producing a lot of individual castings. It was quite a different thing to break into the vast field of constructional ironwork, of structures that were money spinners in those days.'[179]

The 2nd edition appears to have been published shortly after incorporation in 1893, no doubt after Cassells and his two graphic

designers had radically altered the content and layout. The surviving edition in the *East Dunbartonshire Archives* is annotated 'Moulding shop, Nov 1895' on the inside front cover.[180]

The 2nd edition catalogue is a much larger format than the first and bears the image of a cupola furnace on the front cover and four images of composite works on the rear including balconies, verandahs, straight and spiral stairs and theatre canopies.

Domestic baths appear for the first time and include rolled edge in plain and highly decorative designs and flat edge varieties. Lavatory stands and flushing cisterns which appear to have worked on more or less the same principle as modern ones were also included in section I.

Pipe heads and ears (fixings) in section II were considerably increased in number from the 1st edition as was the choice in plain round and square section pipes and 'standard' ornamental varieties. Ninety eight rainwater heads were illustrated from relatively plain to highly ornate, nine carried date examples.

Section III was given over to guttering and contained a very wide range. Plain half round gutters were offered from 3" to 10" width and 3/16" to ¼" thick metal. Over and above these standard plain sections a considerable variety of other profiles was offered as was a range with external ornamental moulding. Channel, valley and boundary wall gutters completed the 70 page section on gutters. This product line remained a key output of the foundry.

The section on gutters was followed by:

Ventilating gratings, some with moveable back panels
Air bricks
Surface gratings
Pavement gutters
Manhole frames and covers
Sink traps
Stop cock cases
Fire clay trap fittings
Wash house and Court yard sundries
Plumbers' sundries

The main part of the catalogue covered 126 pages but there was a small supplementary section at the rear which covered the following:

Gates and Railings
Spiral stair (one example)
No 14 bandstand
Adjustable desk and bench
No 40 Urinal for 6 persons[181]

The 3rd edition[182] was published c.1912 and there is an interesting item in the *East Dunbartonshire Archives* in the form of what looks to be a mock-up for this catalogue. It comprises a 'folder' of loose sheets and scribbled notes.[183] The folder itself is simply the front and back covers from the second edition and the great majority of the loose sheets are of the form of cut and pasted images, some printed, others pencil sketches.

It is presumed that the printed images have been taken from a second edition catalogue and have been repositioned for the forthcoming effort. The pencil images represent new inclusions. The final form of the 3rd edition was smaller than the second and several of the loose sheets carry a notation 'quarto 11 ½" x 8".

Although physically smaller than its predecessor, the covers for the 3rd edition bear exactly the same images as the 2nd. Stylistically the rainwater heads, ears and bats are very similar to 1895 and all dated examples are 1912. Rainwater gutters are similar, plain, OG, channel with variations although information has been compressed into 20 pages this time. Nevertheless, given the tabulated nature of the information on many of the pages, the overall number is about the same. Roof lights appear for the first time, with air bricks, gratings and pavement gutters increased in types available. Ship builders' castings appear for the first time.

There are two examples of spiral stairs, No 5 and No 56 (for light traffic) plus two of straight stairs. Only two examples of water closet are shown but these have automatic flush.

The 4th edition c.1920[184] moves back to a large format size again, this edition carries exactly the same frontispiece photograph of the foundry as the 3rd edition. Baths and washstands are omitted from this edition and it seems feasible that they were either discontinued in the face of foreign importation starting in 1913, or from the market domination of the Falkirk iron founders.

The 4th edition of the catalogue shows that the firm were slightly behind the market. Like many of the large firms they had invested considerable sums in the design, registration and manufacture of

patterns and would be reluctant not to attempt to recoup that investment. Lion did make a clear effort to create more modern styles into traditional elements – particularly gates and railings, and also in rainwater hoppers to adorn more modern buildings.

The range of gratings, air bricks etc all seemed similar to 1912 but there was an increased range of continuous gratings. More general utilitarian engineering castings start to become more common - surface gratings, stop cock covers etc.

The 5th edition c.1930[185] carries an aerial photo view of the foundry as a frontispiece. The title page mentions the following agencies: Birmingham, Manchester, Norwich, Newcastle, Edinburgh, Glasgow, Dundee, Belfast and Dublin.

The plain pipe section is much the same in content to the 4th edition but a useful hypothetical construction drawing has been included. This would have given the contractor a very helpful guide to aid design of rainwater and soil assemblies, illustrating the various components required and their relative positions in the construction of these.

The ornamental pipes remain the same as do the rainwater heads although the latter may be slightly less decorative than before, one example is dated 1932. Ears and bats still carry a considerable degree of Victorian ornament. Gutters follow the same styles as before but there appear to be more enriched examples (at least illustrated) than previously, apparently bucking the trend for less ornamentation. Much of the gratings section remains the same but fixed and moveable louvre types appear for the first time.

Wash house sundries include wringer plates for the first time, these were normally positioned between two sinks and were used to hold removable hand operated roller wringers. Many of the cheaper four-in-a-block type houses (flatted villas) built between the wars had these fitted as standard.

Gates and railings appeared slightly less flamboyant than before but straight and spiral stairs and water troughs remained the same. Towards the end of this edition a section on columns, brackets, lamp pillars, garden and park seat standards still look to date from the late 19th century. Tie-rod plate designs are added to this edition.

The 6th edition c.1945[186] suggests a contraction in business appears to be indicated by the non-appearance of a mention of agencies in Norwich, Belfast and Dublin on the title page of this edition. The frontispiece aerial photo is the same image as the 5th edition.

All pipes are now manufactured to British Standards (revised April 1935). The range of ornamental pipes is still the same as the 5th edition and the rainwater heads have increased by about 20% but to generally plainer more angular types. A note is included that they can be made without enrichments to order. Ears and bats still look traditional.

After a reduced version in the last edition, the gutter section has been increased to full size again here. Lion seems to never have reached a satisfactory conclusion regarding the presentation of their gutters.

Gratings increased with even more louvred types but the single hand pump on offer, the No 1, is exactly the same as it had been in 1895. All in all it looks as if the foundry was clinging desperately to a range of designs, many of which dated back 50-60 years.

Urinals and Water Closets disappeared from the 6th edition.

The contents of the 7th edition c.1955[187] differed quite dramatically from what had gone before and no doubt reflected the attempts of Lion to modernise. James Leitch Junior, in his 1980 lecture recalled that:

'David Millar (Chairman), perhaps to a lesser extent, myself and many others realised that the old traditional Victoriana and the old traditional ornamental work that we had been brought up to, that we had cut our teeth on, was to be a thing of the past.'[188]

The 7th edition of the catalogue reflects these sentiments. The frontispiece carried a photo of the Conway Bridge in North Wales, one of the major structural projects Lion was involved in. There were no ornamental pipes on offer and rainwater heads were much plainer.

The company still offered a wide range of gutter sections, some enriched. Gratings for various purposes increased as indeed did the whole range of utilitarian castings for general architectural and roadway use. Cast iron stairs, particularly for fire escapes and oil refinery use are there as are bollards, but the range of railing standards is drastically reduced along with lamp pillars. Examples of the new range of industrial castings are seen for the first time.

It is clear that between the 6th (1945) and 7th (1955) editions the foundry virtually underwent a complete re-appraisal of its product range and attitude.

A very interesting item held by *East Dunbartonshire Archive* is an *Illustrated Catalogue of Examples of Ironwork.*[189] This large format volume contains 81 excellent photographs of many of Lion's larger scale projects up to about the early 1930s. These are worth listing here in their entirety:

'Building front panels and Window surrounds

I-V	*Unilever House, London*
VI	*Daily Telegraph, London*
VII	*36-39 Lime St, London*
VIII-IX	*Bermondsey Baths, London*
X-XI	*Waterloo Station, London*
XII-XIII	*Vintry Ho, Queen St, London*
XIV	*Kensington & Knightsbridge Electric Light Co, London*
XV	*Blundells, London*
XVI	*Century Ho, Oxford St, London*
XVII	*Times Furnishing Co, High Holborn, London*
XVIII	*Connaught Ho, Aldwych, London*
XIX	*No 6 & 7 D'Arblay St, London*
XX	*Samson Clark Building, Mortimer St, London*
XXI	*Allington Ho, London*
XXII-XXIII	*73-75 Strand, London*
XXIV	*60-62 Margaret St, London*
XXV	*Pettigrew & Stephens Ltd, Bath St, Glasgow*
XXVI-XXVII	*Scottish Cooperative, Clarence and Wallace St, Glasgow*
XXVIII	*William Todd, Wilson St, Glasgow*
XXIX	*Lewis, Liverpool*
XXX-XXXI	*Raleigh Cycles, Nottingham*
XXXII	*Halford Cycle Co, Birmingham*
XXXIII	*Plaza Station, Buenos Ayres*
XXXIV	*Fenchurch St, London*
XXXV	*Alexanders Stores, Ayr*
XXXVI	*79 Shaftesbury Ave, London*
XXXVII	*Samson Clark Building, London*

Theatre Shelters

XXXVIII	*Empire, Finsbury Park, London*
XXXIX	*not identified*
XL	*Alhambra, Dunfermline*

Verandahs, Canopies, Porches Etc

XLI	*Hippodrome, Manchester*
XLII	*Eglinton & Winton Hotel, Belfast*
XLIII-XLIV	*not identified*
XLV-XLVI	*Foresters Homes, Bexley Heath, London*
XLVII	*Hotel St Cloud, Ramsgate*
XLVIII	*Theatre Royal, Portsmouth*
XLIX	*County Hospital, Ayr*
L	*Eastman Dental Clinic, Grays Inn, London*

Stairs, fire escapes and others

LI-LII	*Adelaide Ho, London Bridge*
LIII	*Africa Ho, Kingsway, London*
LIV	*Federation of British Industries, Tothill St, London*
LV-LVI	*BSA works, Birmingham*
LVII	*Sloane telephone exchange, London*
LVIII	*Stair for LCC school*
LIX	*Nurses Home, Hartwood*

Railings, parapets, gates etc

LX-LXI	*Portland Place, London*
LXII	*Lambeth bridge, London*
LXIII	*War Memorial Gates, Victoria Park, Kirkintilloch*

Conservatory and covered way

LXIV-LXV	*Tunbridge Wells*
LXVI-LXVII	*Leeds Arcade*

Passenger shelters

LXVIII	*Bus Station, North Rd, Durham*
LXIX-LXX	*not identified but for various corporations*
LXXI	*Ashton-under-Lyme Corporation*
LXXII	*Manchester Corporation*

Promenade and Park shelters

LXIII	*North Promenade, Blackpool*
LXXIV-V	*Crows Nest park, Dewsbury*

Drinking Fountains

LXXVI	*not identified*

Bandstands
LXXVII Paisley
LXXVIII Birmingham
LXXIX Blackburn
LXXX Woodhead Park, Kirkintilloch
LXXXI Shotts'[190]

International Sales

Unlike Saracen, Lion were perhaps a little slow at extending themselves into export markets, concentrating on home markets when times were good.

A Birmingham company, Charles Winn & Co, approached Lion regarding possible work for Brazil. William Campbell responded that Lion were overwhelmed with work at the moment, but that they were contemplating a major expansion the next Spring, 1897, and would then be able to consider such work.[191]

Lion still did not have an input into the export trade in 1902. Strachan, Turner & Co, of London, contacted Lion on behalf of a client in December, regarding the possible setting up of an agency in South Africa. John Dickson replied:

'Our works have been kept fully employed in meeting demand for our manufactures in the home markets, we have not been in the position or felt the need to seek to develop an export trade.'

However, Dickson did go on to say that Lion were contemplating a considerable extension of the works in Spring 1903 and therefore might be disposed to consider an agency for South Africa. He asked Strachan, Turner & Co to have their client contact Lion with his views on the prospects for trade and the methods for working the agency. The matter of an agent for South Africa was raised

again in January 1903 and Alex Whitson was remitted to call on Messrs Stacey, Redford & Co and Messrs Strachan, Turner & Co regarding an application from a Mr C Thomson of Cape Town.[192]

Projects and Manufactures

Lion delivered the broad range of architectural castings expected in the Victorian period and beyond. Some of their drinking fountain work is notable though not prolific. The key areas of specialism for them lay in the manufacture of bandstands and building façade elements, whether entire structures like the Leeds Arcade (1898) or cast iron mullions and window breast panels.

Bandstands

Given their background at Saracen, it would have been obvious to Jackson, Hudson and Brown that real profit lay not only in the production of castings, but in assembly of this ironwork as part of a structure. Lion pushed the bandstand side of the business and were second only to Saracen in terms of output.[193]

In excess of 50 bandstands were erected or supplied (some via third parties), since unlike most of the other firms, Lion did make some shelters and bandstands for others, notably the English firm of David Rowell and Co.[194]

Early Lion Foundry examples were notable for having double columns – a feature of early bandstands like the massive one on Clapham Common. Their first bandstand was supplied to Limerick in 1895[195] as a Model No 14. The Grange Gardens bandstand

(Figure 144) was reproduced to the original construction drawings in 2000.[196] This Model No 14 was produced for Limerick and Cardiff before being altered to have single columns. Dual column bandstands did not last long as they restricted the view of the audience, but were also more costly to manufacture.



Fig.144: Grange Gardens, Cardiff
(Photo from Heritage Engineering)

Unlike the other Scottish firms, Lion did not press the export market to the same degree. Only two bandstands are known to have been exported, to Spain in 1911 and to Trinidad in 1939.[197] The bulk of their production fulfilled contracts in Britain and Ireland.

The evolution of constructional design in bandstands is for the most part evident through Lion, greatly aided by the archive evidence available in everything from full size pattern drawings to construction and installation drawings.
Early examples, like Model No 14, had external railings around the perimeter, which quickly moved to balusters running between the columns and reducing costs.

Like other Scottish manufacturers, Lion used the central tie rod suspension design with a cast iron ‘spider’ in the centre of the soundboard to accommodate the roof joists with a ring beam running between column tops.

Early examples predominantly used timber for the roof construction, migrating to iron frames quickly as the concept and benefits of pre-fabrication caught on.

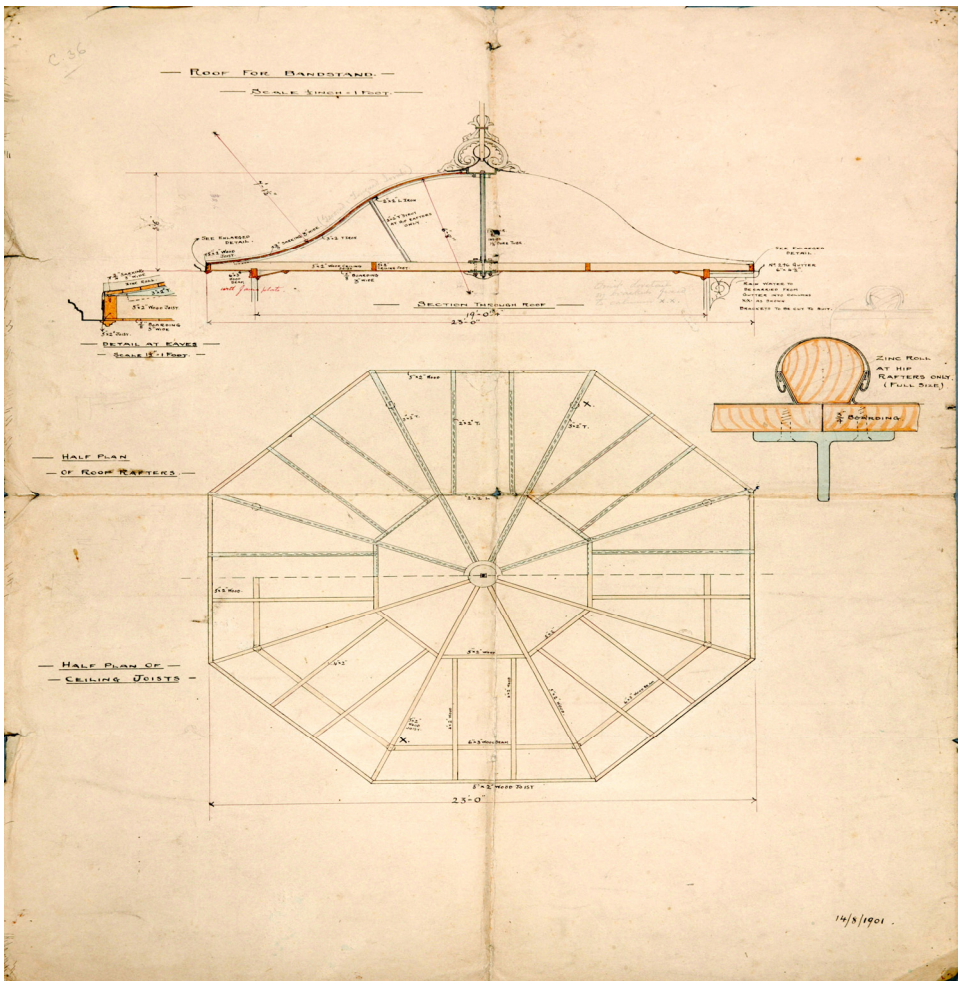


Fig.145: General Arrangement Drawing for Bandstand Roof (Lion Foundry Archive, East Dunbartonshire Museums)

Various models of stock design were offered, but councils often altered details such as crestings, balusters and finials. Custom dedication plaques were provided, the pattern drawings for these largely surviving in the Lion drawing archive. Most Lion bandstands had zinc roofs, visually providing a lead like appearance without the weight disadvantage.

Model No 23 was the most commonly manufactured type, amongst others provided to Barnsley[198] (1908), Birmingham[199] (two in 1903), and Manchester[200] (1922). Edinburgh Council ordered two[201] in 1908, one for the Meadows (demolished in 1953) and for Saughton Park. The Saughton Park example lasted until the early

1980s until it was dismantled, and fortunately its importance was understood. It is presently in storage and its location marked at the entrance to the park with an octagonal flower bed.



Fig.146: Saughton Bandstand Under Construction (Lion Foundry Archive, East Dunbartonshire Museums)

Unusually Lion also designed the plinths for the bandstands, incorporating details to compliment the bandstand itself. These were usually brick built and faced in cement render or concrete. The Handsworth Park example in Birmingham[202] also featured extensive storage incorporated into the plinth.

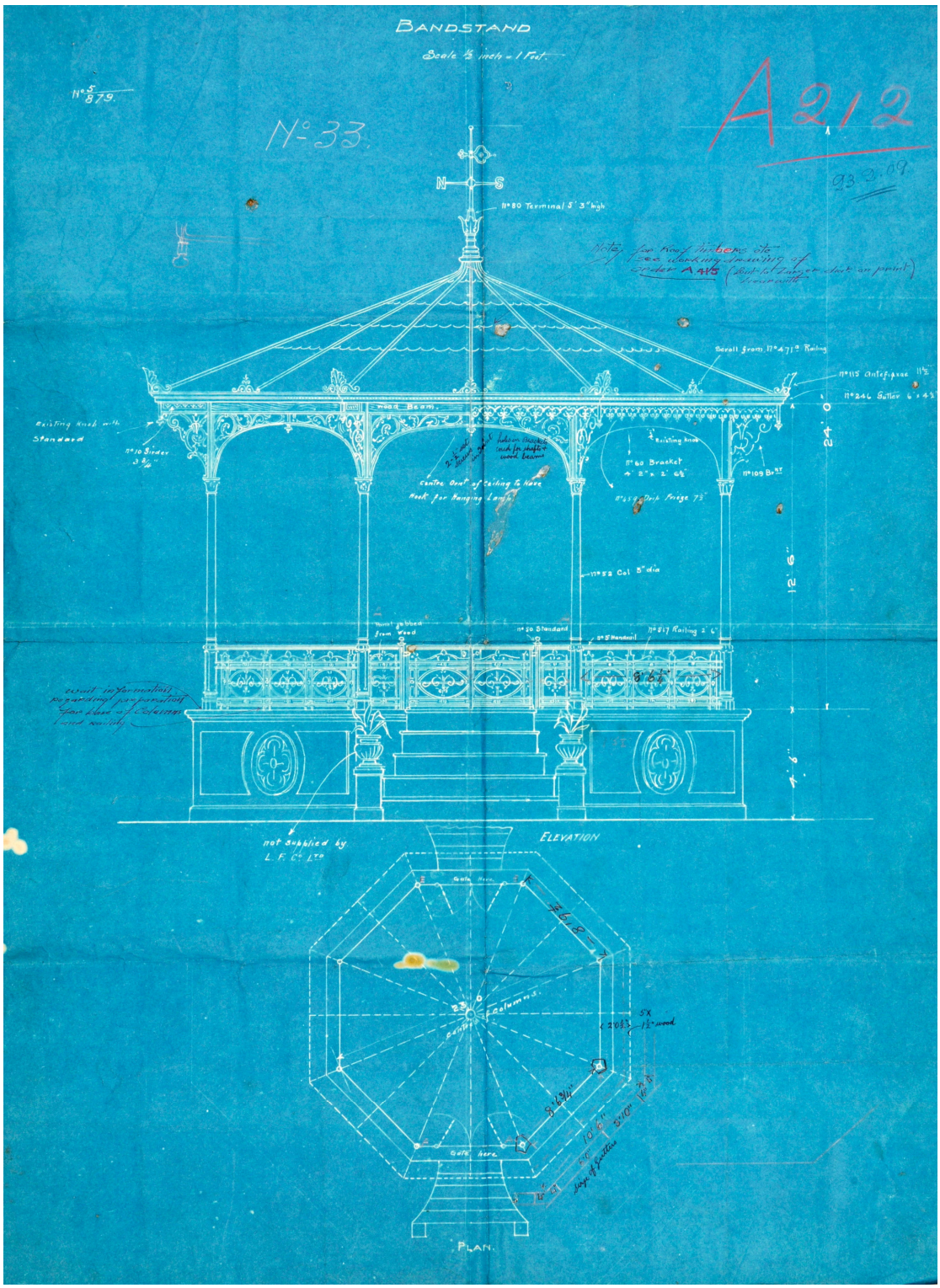


Fig.147: General Arrangement Drawing
(Lion Foundry Archive, East Dunbartonshire Museums)

Lion Foundry staff were generally dispatched to undertake the erection on site, and perhaps learning from Saracen, the firm were

diligent in recording their work photographically. The image below (location unknown) shows the bandstand almost complete – note the rope tied to the terminal to give access to the roof.



Fig.148: Bandstand
(Lion Foundry Archive, East Dunbartonshire Museums)

Lion excelled at Bandstand design, with high quality materials, and constructional design. They were well engineered and detailed and outlasted many of those manufactured by their contemporaries.

They were not, however, afraid to take 'design inspiration' from others. Model No 24 supplied to Greenock[203] in 1924 bears more than a passing a resemblance to Sun Foundry designs, and Model No 37 supplied to Carmathen[204] in 1900 was very similar to an earlier Saracen design.

Lion provided two bandstands to Kirkintilloch,[205] in Peel Park (1905) and to Woodhead Park (1935).



Fig.149: Woodhead Park, Kirkintilloch, lost 1953
(Lion Foundry Archive, East Dunbartonshire Museums)

Ironically the company was involved in an early piece of cast iron restoration in 1977 with repairs to the Houses of Parliament roof using Victorian techniques and patterns.

A typewritten note, held in Kirkintilloch Library and dated 26 March 1931, gives a detailed insight into Lion Foundry's activities at that time.

'Some of the work carried out by Lion Foundry Co Ltd:
Various contracts for cast iron Building Front Panels, Window Surrounds and other Architectural Ironwork through the following (among other) architects –

Sir John Burnet & Partners, F.R.I.B.A, London
C Stanley Peach, F.R.I.B.A, London
Trehearne & Norman, F.R.I.B.A, London

Constantine & Vernon, F & A.R.I.B.A, London
S Clifford Tee & Gale, London
Thomson, Sandilands & MacLeod, F.R.I.B.A, Glasgow
John Keppie & Henderson, F & A.R.I.B.A, Glasgow
Harrison & Cox, F.R.I.B.A, Birmingham
Harry Quick, Coventry
Gelder & Kitchen. F.R.I.B.A, Hull
Cullen, Lochead & Brown, F.R.I.B.A, Hamilton
J K Hunter, F.R.I.B.A, Ayr

Window Surround and Panelling 18.3m (60'0") wide x 13.11m (43'0") high, supplied to Buenos Aires Great Southern Railway, in conjunction with Messrs Crittal Manufacturing Co Ltd.

A large number of cast iron Building Front contracts for Messrs Crittal Manufacturing Co Ltd, Braintree, Messrs Henry Hope & Sons Ltd, Birmingham and other metal casement manufacturers.

We are presently engaged on an important contract for the cast iron panelling for the main façade of the Unilever Building, London, through Sir John Burnet & Partners, Architects.

We supplied the cast iron stair balusters for the Tower Bridge, London and are now engaged on the contract for the cast iron parapet for the new Lambeth Bridge, London, through Messrs Dorman Long & Co.

Bandstands – at Birmingham, Ascot, South Elmshall, Blackburn (two), St Annes-on-the-sea, Strood, East Ham, Windsor, Vauxhall, Chester, East Laigh, Goole, Barnard Castle, Quarry Bank (Staffs), Edinburgh (two), Govan, Paisley, Kirkintilloch, Kilsyth, Dalmuir, Shotts and elsewhere.

Railings and Gates – at Iveagh House, Dublin and Artisan's dwellings, Dalston Lane, London, for Messrs Joseph & Son & Smithem, Architects; these have also been supplied to Dunoon, Greenock, Kirkintilloch, Blackpool and elsewhere, through Boro Engineers.

About 1830m (six thousand feet) of ornamental railing and twelve gates shipped to Bombay, India, for the residence of a Prince, through Messrs F P Baker & Co Ltd, 1a Golden Square, London.

A large contract of railings for Race Course, Calcutta, through Messrs Jess & Co Ltd, 42 Gresham St, Old Broad St London.

Tram and Bus Shelters – have been supplied for Leeds, Huddersfield, Blackpool, Halifax, Bury, Portsmouth, Northampton, Southsea, Horwich, Southampton, Warrington, Ashton-under-Lyne, Salford, Manchester and elsewhere.

Verandahs, Canopies or Balconies – have been supplied to a large number of Theatres for Frank Matcham & Co, Architects, London, including London Hippodrome and theatres at Sheffield, Nottingham, Portsmouth, Leeds, Holloway, Liverpool, Douglas, Cardiff etc.

Ornamental Ironwork for Leeds County Arcade – Architects Frank Matcham & Co, London.

Shelter for Mansion House, London.

Several Porticos for Indian Banks through Messrs Cowie Bros & Co, Glasgow.'[206]

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General papers
204 Lion Foundry Archive, East Dunbartonshire Museums
General papers
205 Lion Foundry Archive, East Dunbartonshire Museums
General papers
206 Lion Foundry Archive, East Dunbartonshire Museums

3.5 James Allan & Co, Elmbank Foundry

According to his own publications, James Allan Senior set up in business in 1836, but he may not have been involved in foundry activity until considerably later.

By 1839-40 there are two entries in the Glasgow Post Office Directory for James Allan under ironmongers, 125 and 138 Argyll Street. It seems most likely that one of the two above (assuming they are not the same business) is the company which appears as James Allan (Senior for the first time) in the 1840-41 Directory; 'ironmonger, tinsmith, blacksmith and brass founder, 120 Argyll Street, house 40 Abbotsford Place'.[1]

'Works 7 Mitchell St' is added in 1842-43 and in 1843-44 his house address changes to 175 Buchanan Street.[2] 1845-46 sees the first entry which includes 'Elmbank Foundry, Kent Road' and a change of home address to 10 Kent Place.[3]

Curiously, all of these entries are under general or 'ironmongers' in the trades section. There is still nothing specifically under iron founders. It would appear that the Directory entries, over the decade 1836-46 are witness to a steady increase in the scale and range of James Allan's activities.

During the 1840s there is an entry for Aitken & Allan in connection with the Kelvin foundry. Whether or not this is the same Allan is a moot point but it is worthy of note that this entry disappears in the same year as James Allan Senior makes his debut, i.e. 1852-53, under iron founders proper in the Directory trades section.[4]

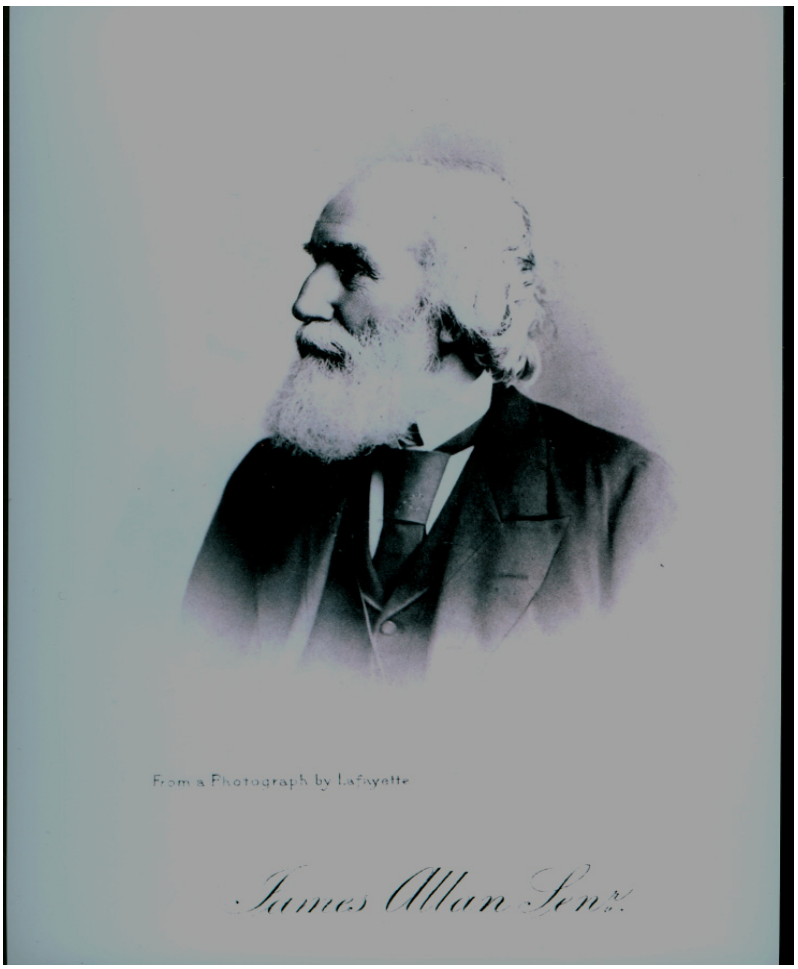


Fig.150: James Allan Senior
(Courtesy Mitchell Library)

According to the 1851 census, James Allan Senior, iron and brass founder, was born in Islay, Argyll. His age is given as 38, indicating he must have been born c.1813 and that he was iron founding by 1851.[5] By 1853-54, James Allan's business has expanded even more and his Directory entry is;

'wholesale and export ironmongery, metal and agricultural warehouse, Blythswood Buildings, Bothwell St.'

Elmbank Foundry is clearly shown on the map[6] in the northern angle of Kent Road and North Street.

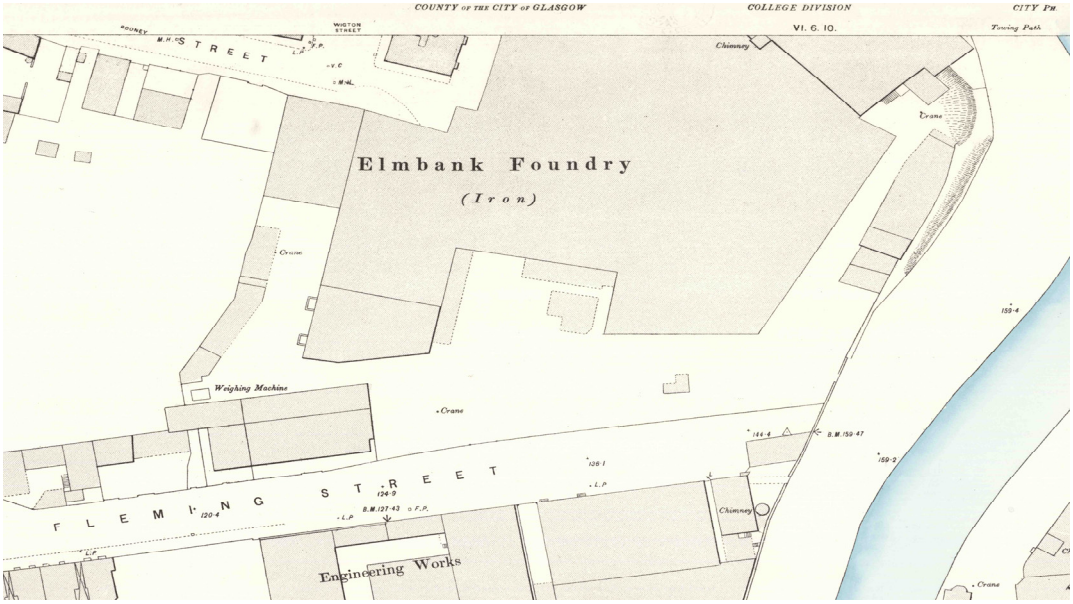


Fig.151: Plan of Elmbank Foundry
Ordnance Survey 1892

Elmbank Foundry had been built on a greenfield site in a large area of mainly undeveloped ground. Triangular in form, it was enclosed by Main Street, North Street and Sauchiehall Street.

James Allan's entries in the Post Office Directories remain virtually unchanged till 1869-70, when 'also 40 Wigton Street' appears, indicating the start of the move to Sawmillfield. This was the site of the former Port Dundas sawmills on the bank of the Forth and Clyde Canal (Glasgow Branch).[7] The name of Henry W Allan appears at this time, he or a son would be a partner at the incorporation of the company in 1907.[8]

By 1871-72, the Kent Road/North Street address has disappeared from the entries indicating that the move is probably complete. Although the entry mentions both Elmbank Foundry and Sawmillfield Ironworks, this probably refers to two side-by-side

facilities. The whole complex there is designated Elmbank Foundry on a later map.

The old foundry at Kent Road was quickly demolished and replaced with the St Andrews Halls, renowned for its acoustics as a concert hall between 1873 and 1877.

Later on, the foundry would be described as at Possil, following the building of a showroom, store and foundry buildings to the rear in Farnell Street. These buildings largely still stand.



**Fig.152: Possil Road Warehouse,
Foundry Building to the Rear is Visible
(Image by J Hume, RCAHMS)**

James Allan Snr died on 19 January 1896 and is ironically buried close to Walter Macfarlane in the Glasgow Necropolis.

A certificate of incorporation was issued for the company on 28 October 1907 under the designation James Allan Senior & Son Ltd.[9] However, this incorporation was in fact the setting up of a new company taking the same name. This practice seems to have been quite common in the late 19th and early 20th centuries, as we have already seen with George Smith & Co, Sun Foundry. James Allan Senior & Son appears to have been sequestrated in 1907 and this new limited company were to step into their shoes.

In May 1908 an advert appeared in *The Scotsman* advertising the stock from the sequestrated estate for sale.



At ELMBANK FOUNDRY, 12 POSSIL ROAD, GLASGOW,
On MONDAY and TUESDAY, 18th and 19th May 1908,
at 11 A.M. each Day.

HIGHLY IMPORTANT AUCTION SALE OF ARCHITECTURAL IRONFOUNDERS' STOCK.

Comprising:—Large and Valuable Stock of Rainwater and Soil Pipes, Half-Round Rhones and Conductors, O.G. and Ornamental Gutters and Square Pipes, with connections, Rooflights, Gates, and Railings, Balusters, Panels, Urinal and W.-C. Casting, Large Stock of Stable Fittings, Electric and Gas Pillars, and General Stock of Castings.

STOCK OF BATHS.

Comprising:—About 200 Canopy and other Baths, highly finished and mostly complete with Fittings.
Also, Lavatory Basins and Fittings, &c.
Large Quantity of Brass and White Metal Fittings.

THOS. HILL & CO. have been favoured with instructions from Chas. Brand, Esq., 146 Overgate, Dundee, to dispose of above Stock by Public Auction, which has been purchased by him from the Trustee of the late Firm of Messrs Jas. Allan, Sen., & Son.

On View, Saturday, 16th May, and Mornings of Sale.
Catalogues to be had from Chas. Brand, Esq., 146 Overgate, Dundee; or
THOS. HILL & CO., Machinery Auctioneers,
66, Robertson Street, Glasgow.

NOTE.—The above Goods were all Manufactured by Messrs Jas. Allan, Sen., & Son, and Purchasers can obtain Duplicates or Fittings from the New Company, Messrs Jas. Allan, Sen., & Son, Ltd., Elmbank Foundry, Glasgow.

Fig.153: Auction Sale of Iron Founders' Stock (The Scotsman, 11 May 1908[10])

It would appear that, although it was a new company, the Allan family were still major players. There were two partners, Henry William Allan and Joseph Theakstone Twist.

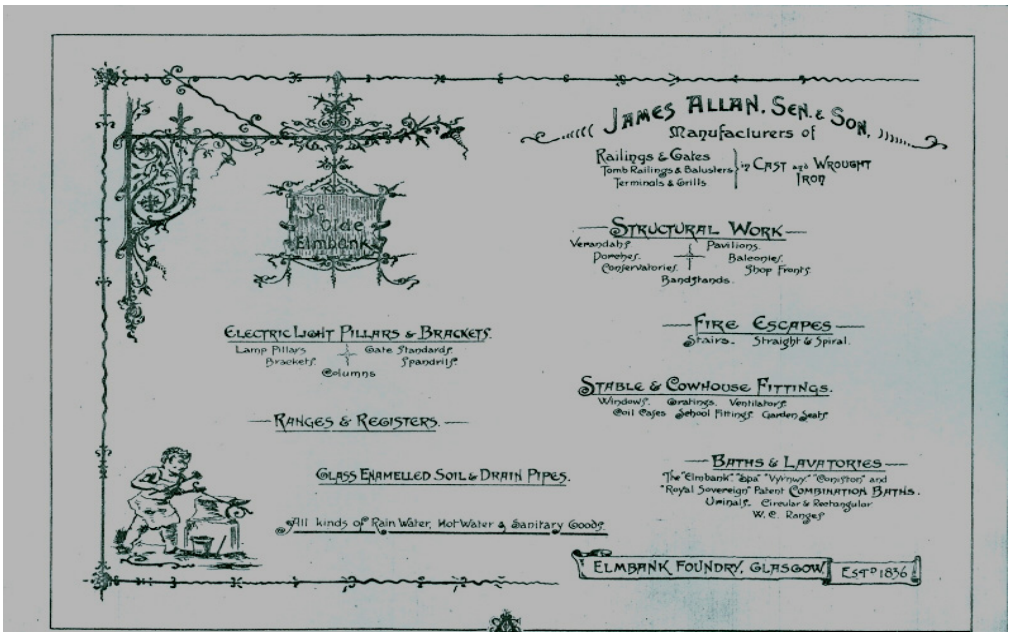


Fig.154: Catalogue Illustration, Undated

The company's activities were as follows:

1. Founders in iron, brass or other metals, malleable iron workers and smiths and makers of, erectors of, and dealers in gates, railings, bridges and all manner of structural work in metal.
2. Sanitary and heating engineers, plumbers, gas fitters and makers of all sorts of Sanitary, Heating, Water, Steam and Gas appliances, in iron or other metal or in fireclay or other material, and erectors thereof.
3. Contractors, Builders, Bricklayers, Joiners, Painters, Galvanizers and Enamellers.

The other five shareholders to make up the statutory minimum of seven were as follows:

Clara Allan, 1 Doune Terrace, Glasgow

Eliza Spence Allan, 1 Doune Terrace, Glasgow

Harry Spence Allan, 1 Doune Terrace, Glasgow

James Allan Spence Allan, 1 Doune Terrace, Glasgow

Walter Rounsfell Brown, writer, 227 W George Street, Glasgow

Registered Office: 12 Possil Road, Glasgow

In March 1908, William Service Workman and James Hill Workman were added to the list of directors and the Registered Office changed to 190 West George Street, Glasgow in January 1909.[11]

In 1910 yet another of the Workman family became a director and the addresses given for the board at that time were:

William Service Workman, 75 Bothwell Street, Glasgow

Henry William Allan, Elmbank Foundry

James Hill Workman, 12 Possil Road

William Orr Workman, 190 West George Street.[12]

James Allan Senior & Son Ltd was a private company and shares were not on offer to the general public.

The First World War saw James Allan & Co involved in the production of metalwork for Mills bombs or grenades. War work was, needless to say, essential business and in 1915 *The Scotsman* reported on 12 apprentices leaving work at Elmbank without permission. The boys were obliged to appear before a General Munitions Tribunal and part of the dispute had been about pay for very long hours (up to 103 in a week); the outcome was a stern lecture from the Sheriff:

'No boy could be allowed to put his private wage-earning capacity in front of the national need. I hoped their case would be a warning to apprentices everywhere that they, no more than their elders, were permitted to leave munitions work at the present time.'[13]

Notwithstanding this, business seemed to be in a difficult situation and in September 1917, James Davidson, CA, and William Orr Workman are allotted £3,000 of shares for their risk in becoming guarantors for an overdraft of £5,000 with the Clydesdale Bank on behalf of the company.[14]

In March 1923 *The Scotsman* announced under the heading 'Work for Glasgow constructional workers' that Wm Beardmore & Co had secured a large contract for Portuguese National Railways and had placed the order for constructional steel with Messrs Jas Allan Sen. & Son, Lambhill Iron Works and Elmbank Foundry, Glasgow.[15]

Whether or not James Allan built the Lambhill Iron Works, or simply acquired them is not known. They were situated about a mile north of the Sawmillfield site on the banks of the main part of the Forth and Clyde canal.

Despite the work for Beardmore and in common with much of the Scottish Iron Industry in the 1920s, not forgetting the world situation, business took a downturn and at an EGM in 12 Possil Road on 24 September 1924 a recommendation was made that the company be wound up.[16]

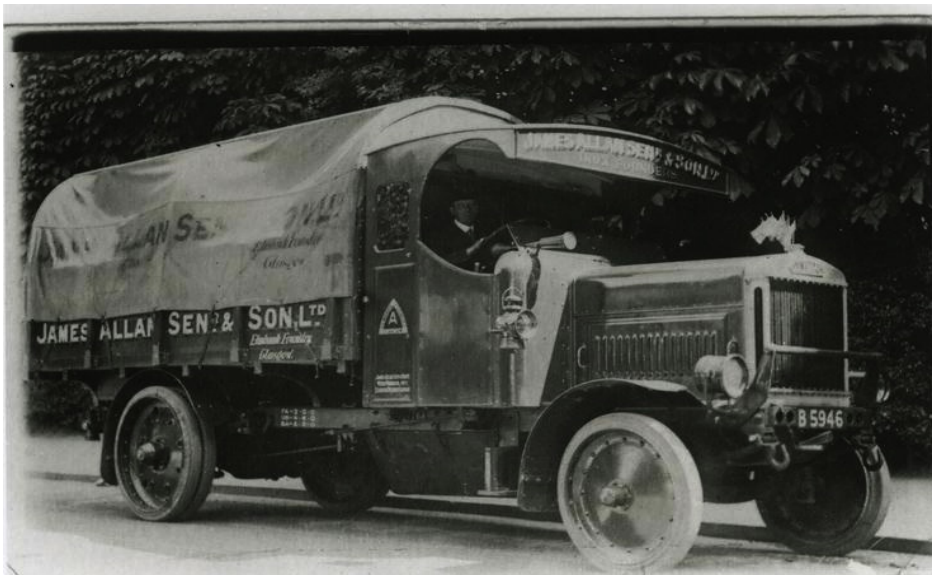


Fig.155: Elmbank Foundry Lorry
(Image courtesy of Scottish Motor Museum Trust)

Voluntary liquidation was approved on 21 October 1924 and Thomas Liddell McLintock and Lyall K Hutchison were appointed joint liquidators.

Short adverts appeared in *The Scotsman* on 27 September and 4 October 1924 offering the Elmbank Foundry for sale and this was followed on 5, 19 and 29 November 1924 by a more comprehensive advert in which the two sites were described:

'The Elmbank Foundry in Possil Road covered four acres and contained, moulding, dressing and fitting shops, pattern stores and warehouses. The foundry was capable of a large output of rain-water pipes, gutters, soil pipes etc. in addition to ornamental ironwork and jobbing work. The Lambhill works covered ten acres and was equipped with the most modern machinery and tools. In house there was one 15 ton and two 5 ton overhead electric cranes, straightening, cropping, punching, shearing, planning and sawing machines, as well as several batteries of up-to-date-drills, plate-rolls and pneumatic riveting plant.'[17]

A notice of consent to take the name of the liquidated company was recorded on 23 February 1925. This meant that another individual/group intended to carry on business under the designation, James Allan Senior & Son, but these persons have not been identified.[18] The return of the final winding up meeting of the liquidated company was recorded on 18 October 1928. This meant that all of the liquidation procedure was completed as far as was possible.[19]

In the period 1928 to 1937, James Allan Senior & Son Ltd became a wholly owned subsidiary of the Scottish Machine Tool Corporation Ltd.

This new company was made up of James Allan Senior & Son and four other old-established Scottish companies:

James Bennie & Sons Ltd (1835)

Craig and Donald (1815)

G & A Harvey Ltd (1857)

Loudon Brothers Ltd (1877)[20]

Projects and Manufactures

Unlike the other Scottish firms Elmbank had no specific area of specialism, although they had a distinctive style. They moved more quickly to embrace the Edwardian era and like Lion and Carron produced art nouveau lines.



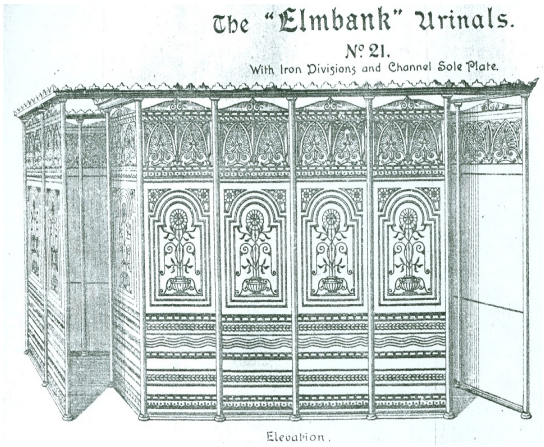
Fig.156: Trade Advert, Undated
(From D Mitchell collection)

Stock ranges of architectural features were carried and the firm showed a particular interest in small scale structural ironwork including entrance canopies in particular.

Sanitary Ware

The firm made much of its range of sanitary ware for domestic and commercial purposes supplying a urinal to Bristol on the quayside now beside the SS Great Britain.







**Figs.157,158&159: Urinal Supplied to Bristol,
Now Beside SS Great Britain (top)
Urinal Now Under Sydney Harbour Bridge for the Local Firm
B J Plummer or Copied by Them (below)
(From D Mitchell collection)**

Bandstands

Thirteen bandstands have been attributed to Elmbank Foundry, including examples in Crieff, Swindon, Worcester and Weston Park, Sheffield. This example was noted for the incorporation of sash windows which drop down into the plinth. It has a Saracen–esque roof design but like most Elmbank designs is fairly restrained.



Fig.160: Weston Park, Sheffield, Model No 9
(Photograph by D Mitchell)





Figs.161&162: Macrosty Park, Crieff
(Photographs by D Mitchell)

Fountains

Two distinct phases in fountain design are evident from Elmbank – earlier and typically Victorian examples are complemented by early 20th century designs which are much less decorative and distinctly Edwardian.



Fig.163: Phoenix Park, Glasgow
(Image from Glasgow Museums)

The Phoenix Park in Cowcaddens was laid out on the site of the former Phoenix Foundry of Thomas Edington, incorporating Elmbank Fountains and a Saracen bandstand. The drinking fountain is identified in the Elbank catalogue as No 25.

Larger Structures

Elmbank had the capacity and scale to undertake large projects, but did not appear to compete with the larger firms. Nevertheless a number of notable projects were undertaken with a distinctive style.



Fig.164: New Savoy, Glasgow 1916
(Image courtesy of Mitchell Library)

Elmbank provided the large canopy to the design of architect George Boswell for the New Savoy in Hope Street – Boswell Street as part of a conversion from a music hall to a cinema. The building was lost in the development of the Savoy Centre in 1972.[21]





Figs.165&166: Theatre Frontage – Location Unknown
(Images courtesy of Mitchell Library)

Curiously the theatre balcony and canopy shown in the Elmbank Foundry Catalogue of c.1910 also features in the works records of Lion Foundry.

Like Saracen and Lion, Elmbank was keen to pick up work from architects in using cast iron as a façade material for new buildings. Window mullions and breast panels were supplied to the Ministry of Pensions building in London in the first decade of the 20th century.



Fig.167: Ministry of Pensions Building, London
(Image courtesy of Mitchell Library)

Elmbank provided the ornamental ironwork for the Llandudno Pier in 1877, designed by Charles Driver and Engineer James Brunlees. Extending to around 800 metres of castings this was a significant project for the firm. It is not known if Elmbank were also

commissioned to supply the pier buildings but they do seem to feature their work in spandrels and terminals.

Adjacent buildings and infrastructure also features Elmbank work, notably the vast Llandudno Pier Pavilion Theatre opened in 1883. This building survived reasonably intact until 1994 when fire destroyed most of the building. Some of the cast iron columns remain.



Fig.168: Llandudno Pier (Erected 1877)
(The Scottish Ironwork Foundation)

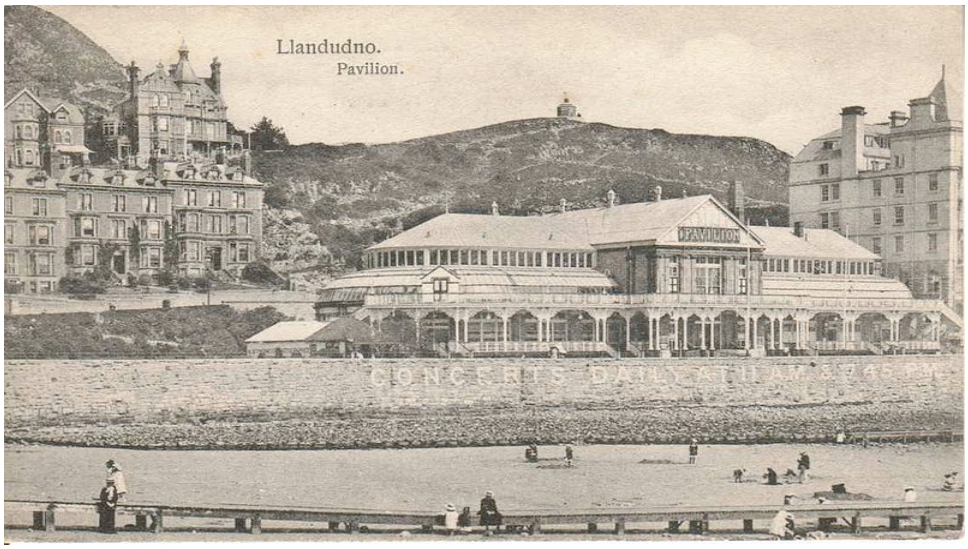


Fig.169: Llandudno Pier Pavilion Theatre
(The Scottish Ironwork Foundation)

Contribution

Elmbank were a firm of reasonable size yet their output, if measured in identified or extant structures, was reasonably limited in some respects.

Elmbank had a style quite distinctive and identifiable from its counterparts across its range. Fountains and bandstands in particular are noticeably different in design and execution. The pattern and casting work, and the constructional detailing, is of high quality.

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The Development of the Architectural Iron Founding Industry in Scotland

Volume II

By

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Degree of Doctor of Philosophy in Architecture
The University of Edinburgh

2012

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Other Notable Firms

3.6 Charles D Young & Co

Charles Denoon Young was born in Glasgow in 1820, son of a minister of the Free Church[1] and the youngest of three brothers.

The first premises occupied by the Youngs were at 128 High Street in Edinburgh. These premises are mentioned as early as 1834 at which time they are noted to be occupied by an R B Blyth, 'an agent for English houses in ironmongery and metal trades', presumably meaning he imported English-made products.[2] In the *Post Office Directories* for 1840-41 and 1841-42 there are entries for 'Young, Jas & Wm, Wire Cloth manufacturers, 128 High St'. However, by the 1842-43 Edition the entry for that address has changed to 'Wm & Charles Young, manufacturing ironmongers and wireworkers'.

Brothers William and Charles terminated their co-partnery on 31 March 1847 and a printed copy of the dissolution agreement survives.[3]

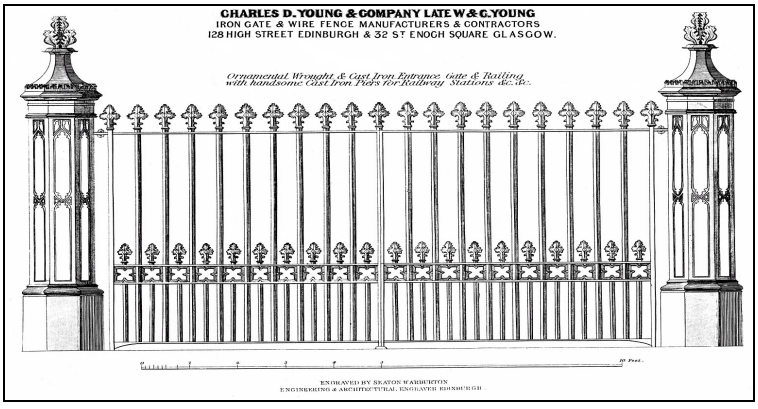


Fig.170: Early Catalogue Illustration (From D Mitchell collection)

Charles was to continue in possession of 'ware rooms both in Edinburgh and Glasgow, workshops etc.' The evolution of Charles D Young can be traced through the nature of the entries in the *Edinburgh Post Office Directories*.

In 1847-48 the entry is 'Charles D Young & Co (late Wm & Charles Young), manufacturing ironmongers 128 High St'.

This continues until 1850-51 when the address changes to 48 North Bridge, however this is still probably a ware-room/office only. In 1851-52 the entry changes to 'iron and wireworkers, manufacturers, contractors etc' but still no reference to iron founding. Not until 1857-58 is iron founding listed as a C D Young in-house activity when the entry becomes 'engineers, iron founders etc.'

In 1858-59 the entry becomes even more specific as to the location of the iron founding works:

Charles D Young & Co & Co, iron founders and contractors, St Leonards Ironworks and Britannia Ironworks, East Crosscauseway.

These two works appear to have been side by side in Brown's Court and Cowan's Close, off the south side of East Crosscauseway. Charles is still living in Bruntsfield Place at this time.[4]

Unfortunately Charles overstretched himself and was sequestrated in 1858, partly due to his cavalier approach to book-keeping but also to the lack of lending discipline in the Edinburgh and Glasgow Bank which collapsed at the same time. On 26 July 1858, Charles was called before the Edinburgh Bankruptcy Court for examination.

The proceedings were extensively reported in *The Scotsman,* 28 July 1858.

Charles outlined the history of his co-partnery with William and also the history of his own company since the break-up of the former. He outlined the structure and methodology of his own works. While he had general control, a William Hume had been cashier for the last 'six or seven years':

'Mr Hume is the head and confidential clerk for the whole establishment. The counting house under him was divided into departments. These were the book-keeping, the charge of the foreign consignments, and the general correspondence and business of the counting house. Mr Thomas Pearson was book-keeper for some years, and latterly he was in charge of the consignments and shipping and insurance connected with these. Mr Clark had charge of the books and the cash was under the charge of Mr Hume. To the best of my knowledge I have handed over to my trustees all the books connected with my business. I carried on business in London, Liverpool and Glasgow, besides Edinburgh, which is my headquarters; and at the date of sequestration the London office only was open, the Liverpool and Glasgow offices being discontinued at the beginning of this year. I informed the trustees that some of the London cash books were wanting. My explanation is that they were lost: they were in charge of the manager of the London business.'[5]

Charles went on to say that it was in January or February he became aware of the missing books and the London Manager was dispensed with in August. Charles reckoned that there was at least £3,000 missing from the London office.

He continued explaining his approach to book-keeping and the balancing thereof, remarking that he had balanced his books up to 1853 and had entered these balances in a private ledger up to 1850. He used the excuse of saving expense for not producing a proper balance each year, saying that it took £200-£300 to take

stock. In 1854-55 the excuse was that they were 'too involved in fulfilling heavy contracts'. This half-hearted approach had continued until 1857 when his affairs were examined.

Cash flow had become difficult and he started getting overdraft facilities from the Edinburgh and Glasgow Bank in 1854-55. The main problem with Charles' approach to his liquidity appears to have been that he seemed to ignore bad debts. When he obtained a job he simply subtracted costs from expected income and totalled all the profits. The fact that some of this income never materialised was not taken into account.

He stated to the court that he had never been aware that he was insolvent.

When pressed, he cited several bad debts as the main reason for his current financial state. He admitted that his liability to the bank had been as high as £80,000 in mid 1857, but said that it was now in the order of £37,000. He had also overdrawn to the extent of £26,000 making his total liability to the bank in excess of £60,000. However, he went on to say that in September 1856 he had prepared a statement showing the general position of his affairs. Comparison of company assets against liabilities showed a balance in favour of the business of £58,000. This of course was a theoretical balance assuming that all the assets, including orders in hand, would be realised.

Charles had included in his estimate of £58,000 a number of assets which were over-valued.

The Government was due £22,000 for the Chelsea Bridge but this was subsequently reduced to £14,000 by their inspectors.

The principal contractor on the upgrading of the Westminster Bridge failed owing Charles D Young & Co £9,000, £6,000 for work already done and £3,000 for useless materials prepared for it, the work was unfinished. A company in San Francisco was also due Charles D Young & Co £3,000.

In March 1860 an agreement was reached between Charles Young and Joshua, George and Frederick Buckton of the Wellhouse Foundry, Leeds, where the latter were to stock certain premises in Perth on which Charles D Young & Co was getting a lease. The Bucktons agreed to supply machinery, plant and utensils to the value of £900 Sterling.

The Bucktons had also leased the premises from James Morrison (accountant), judicial factor on the estate of the late Patrick Wallace, a coachbuilder, for a rent of £160 per annum payable at Martinmas and Whitsunday.[6] The Bucktons sub-let to Charles D Young & Co at a rent of £500 per quarter (£2,000 per annum), a considerable profit on rent alone. Further sub-letting was forbidden. Young was expected to gradually pay back the tooling costs with the rent. However, Charles' financial management was again found to be wanting and there was a dispute between him and the Bucktons in early 1862 to the extent that they tried to have him evicted.[7]

In 1866 he became a director of a new company, Young, Carrington & Co, who purchased the St Leonards works, Perth, from him. Young Carrington & Co took over on 1 May 1866 but the

relationship lasted little more than a year and it was resolved to wind-up Young Carrington & Co. During the incumbency of Young, Carrington & Co, Charles may have retained his own firm, Charles D Young & Co, in some form since he apparently took on his son, Charles Edward Young as a partner on 15 May 1867.

Charles set up on his own account as an agent but was sequestrated for a third time in 1867 and discharged about two years later.[8]

In 1868 Charles D Young & Co purchased the Perth St Leonards works back from the liquidators of Young, Carrington & Co and Morrison, the factor. It is not clear since at the time he was undischarged from his previous debts. He was sequestrated for a fourth time on 14 April 1874 when unable to repay the borrowings for the 1868 purchase.

The 1874 sequestration seems to have been the last straw in business for Charles Denoon Young at the relatively young age of around 54. No more is heard of him in a business sense and he dies in lodgings in Holborn, London in September 1887 aged 67.[9]

Projects and Manufactures

The range of products related to Charles D Young & Co during his career in the ironwork industry can be divided into three chronological phases:

1 The co-partnery with brother William from 1841-1847
2 The Edinburgh business from 1847-1858
3 The Perth business from c.1859–1874

Catalogues have survived from the first two of these phases, listing and frequently illustrating products.

One of the earliest catalogues seen is a William & Charles Young item, where they are described as 'manufacturing ironmongers and wire merchants, 128 High St, Edinburgh'.[10] It is headed 'Catalogue of wrought iron work, Ornamental cast iron work and wirework'. It consists of eight pages and lists types and prices of products under the following headings:

Wire fences (invisible wire fences to resist Deer, Cattle, Horses, Sheep and Lambs)

Iron Fences (for Horses, cattle and Sheep)

Iron Gates

Iron Bridges

Railings and Palisading etc

Verandahs and Balconies

Hot Houses etc

Ornamental wirework

Aviaries and Pheasantries

Furnishing ironmongery for banks and Offices.[11]

Since this is a W & C Young catalogue it should date to the period 1841 to early 1847.

A similar W & C Young catalogue,[12] this time of 16 pages, is headed 'William & Charles Young, manufacturers of iron and wire

work, and wire merchants' and gives the Glasgow address, 32 St Enoch Square in addition to the Edinburgh address. Because of the larger size and the inclusion of the Glasgow address it is likely that this catalogue is slightly later than the one above. It was divided into two sections: 'Wire Work Department' and 'Wrought Iron Department'. Under 'Wire Work' there is listed the usual variety of fences and also the fact that wire could be supplied in various gauges either in bundles of known weight or in lengths of 100 yds. Various types of garden applications i.e, guards, espaliers arches etc are also offered.

Under 'Wrought Iron' are the usual range of fences, gates and tension and suspension bridges, also an interesting item:

'Iron houses: of wrought or cast iron, for dwellings and stores, made especially for the East and West Indies and other warm countries. Being portable, they can be taken down and removed at pleasure, and sent to any distance at little expense. They can again be put by any person of ordinary intelligence, in a very short time. In their construction, every attention is paid to having them ventilated on the best principles; and the best classic as well as plain designs can be wrought out. Estimates sent to any part of the world, upon receiving specification of the accommodation required.'

This is clear evidence that the Youngs were at least contemplating 'iron houses' in the mid 1840s if not actually making them.

Wrought and cast iron hot houses, conservatories and greenhouses were also on offer with crown or plate glass, 'planned for the smallest as well as the most extensive establishments, and heated on the most approved systems with hot air or hot water'.[13]

A wide range of garden furniture was offered and under 'miscellaneous' everything from cast iron field rollers to beams, scales and weights to prepared paint, tools, work tables and even rim and mortice locks were offered.[14]

A copy of a third catalogue of similar format, but extended to 40 pages of which the last 16 are identical to that above, has 'Chas D Young & Co, late of' inserted between 'manufactured by' and 'W&C Young' probably dating it to late 1847 or 1848.

The first 24 pages consist of testimonials from, and lists of, patrons, mainly from the period of the co-partnery. All the testimonials, upwards of 20, date from 1841-1846 and are exclusively about fencing. Considering that by 1848 William would have set up on his own behalf in a very similar business, it would appear that Charles was not shy about using past trade to his own benefit. Since he had taken over a going concern he was probably entitled to extol past successes, however he was certainly giving little ground to his brother.

'In order to meet the wishes of a number of their friends abroad they [Messrs Young] have established connexions with the following Houses [companies] in India, America etc

Messrs Lyall, Mathieson & Co, Calcutta
Messrs Bainbridge & Co, Madras
Messrs Jamieson & Co, Bombay
Messrs Wilmer & Rogers & Co, New York
Messrs Elliott & Co, Hamburgh

Orders will also be received by

Messrs Wm Drummond & Sons, Agricultural Museum, Stirling
Messrs Lawson and Smith, Nursery & Seedsmen, Inverness
Messrs Wilmer and Smith, Liverpool
Messrs Wm Drummond & Sons, Dawson Street, Dublin
Messrs Scott Brothers, Belfast'[15]

The latter were presumably acting as agents.

These comments are obviously from the period of the co-partnery and indicate that by the mid 1840s the Youngs were getting themselves established in exports. The list of patrons extends to around 500 in Scotland (everywhere from Dumfriesshire to Shetland), over 60 in Ireland, 30 in England and 11 Foreign, 5 in the USA plus 2 in Hamburg and 1 each in Cape of Good Hope, Copenhagen, Sweden, East Indies and West Indies.

These three early catalogues demonstrate that, while the main output of the Youngs was iron and wire fencing, the beginnings of the larger and more ambitious projects, for which Charles was later to become famous, were established.

In 1850 Charles D Young published a work of considerable size entitled *A Short Treatise on the System of Wire Fencing, Gates etc, as manufactured by Charles D Young & Co & Company, at their several establishments in Edinburgh, London, Liverpool and Glasgow.*

This book, although much bigger and more comprehensive than the three above, nevertheless carries on in much the same vein. It starts with a list of the great and good who have patronised the company, moving on to a long and detailed dissertation on what still seems to have been Charles D Young & Co's main stock-in-trade, fencing and gates. This is followed by a rather more detailed description of other products than what appeared in 1848.

Suspension bridges are discussed in some depth but they seem to be generally small, for use in estate landscape enhancement rather

than for public roads. Prices of 25s to 35s per lineal foot are quoted with the rider that if the bridges are required for wagons, carriages etc, they will need to be stronger and designs would be supplied after receiving full particulars.

Tension bridges were another Charles D Young & Co product and these were recommended for spans even shorter than the suspension variety. These were constructed with the upper part having a slightly upward curve which was matched by lower tension bars curving in the opposite direction, the effect being that the greater the load, the stiffer the structure becomes, within the limits of the tensile strength of the members of course. The main advantage of this system was that the structure was self-supporting, only needing to sit on the ground at each end which cut costs considerably. The suspension bridge needed strong anchorage for the suspension cables. Charles D Young had erected a tension bridge on the Edinburgh to Hawick railway where it crossed the Hassendean Burn.

Arch bridges in iron are also discussed and these had the advantage of using significant cast iron sections which allowed for elaborate decoration, family crests being referred to in particular. An arched bridge was erected at Lennox Castle by Charles D Young & Co. It was noted that Charles D Young & Co had also erected several bridges on a number of West Indian Islands to the 'perfect satisfaction of the Commissioners'.[16]

The 1850 'Treatise' contained a chapter on 'a class of objects more purely ornamental'. Arches etc for gardens are mentioned before moving on to all sorts of applications in houses and churches and even graveyard furniture. As far as the domestic use of iron is

concerned, the text did not attempt to enumerate all the wares available, but touched upon a few. As in all other aspects, individual items were dealt with in the catalogue which formed the second part of the book.

The method of heating mansions, churches, public buildings etc by means of hot water was discussed extolling the virtues of comfort 'in safety of fire and complete freedom from dust and smoke'.

Distribution of water, gravity-fed or by means of rams was followed by domestic gas producing apparatus, and the text also stated that the example illustrated would produce surplus gas over and above what was required even for a large house. That surplus could be used to;

'furnish neighbouring villages so as to afford a handsome return to the proprietor for his outlay'.[17]

The 1850 'Treatise' goes on:

'The foreign trade of C D Young & Co is most extensive, and is conducted upon a principle which allows them to contract at much more advantageous terms for the parties employing them, than can be offered by any other firm….They (Charles D Young & Co) have established connexions with the first houses in Calcutta, Madras, Bombay, Canton, New York, Boston, Philadelphia, Quebec and Hamburg, beside having commercial relations with several extensive foreign houses in London and Liverpool.'[18]

The next significant step in the evolution of Charles D Young & Co came about probably in 1851, when they entered into an agreement with Dredge and Stephenson, Civil Engineers, London, to do the manufacturing for taper suspension bridges.

James Dredge of Bath patented the taper (sometimes called double cantilever) principle for suspension bridges in 1836.[19] Instead of the normal suspension bridge design, where the roadway support cables/rods hang vertically from the main suspension cable/chain, Dredge's supporters were angled towards the main towers at either end of the bridge thereby transferring most of the load to these towers. In theory this meant that even if the bridge was split in the middle, the road would remain supported. Consequently the structure towards the centre of the bridge could be made much lighter thereby saving iron.[20]

Charles D Young & Co published a pamphlet on the subject of *'Dredge's Patent Taper Suspension Bridges'*.[21] Typically there is no date on this paper but there are several testimonials to the efficacy of this type of bridge, remarkably 4 between 9 and 15 November 1850. In the paper Charles D Young & Co outlines the history of the suspension bridge and highlights some of the examples already built, including the first to Dredge's principle in 1836 (this bridge still stands). Other Dredge bridges were completed in Scotland before Young's involvement, at Balloch over the River Leven in 1841 at the behest of Sir James Colquhoun, Bart. It was 300ft long at a cost of £2,500, however this bridge was replaced in the 1890s. Others included Bridge of Oich (1850) and at Fort William (1849) for David Cameron of Lochiel, this was 240ft long.

Charles D Young & Co were careful to point out that:

'…in announcing to their employers and the public in general this arrangement with Messrs Dredge and Stephenson, would further explain that while the whole manufacturing department of these bridges is in their hands, the entire engineering, and the immediate superintendence of the erection of all such structures devolve upon Messrs Dredge and Stephenson.'[22]

It is likely that any suspension bridges constructed to Dredge's principle from 1851 onwards used components made by Charles D Young. Secondly, it is unlikely that any of these structures will carry Charles D Young & Co's nameplates since they were not main contractors.

It is not known whether Charles D Young & Co's relationship with Dredge and Stephenson survived his 1858 sequestration and subsequent move to Perth.

Charles D Young & Co's involvement in larger-scale projects appears to have continued to expand through the 1850s. In 1857 or 1858 they published an important pamphlet *Illustrations of Iron Structures for Home and Abroad, consisting of Stores, Dwelling-Houses, Markets, Arcades, Railway Stations, and Roofings constructed of Wrought and Cast Iron and Corrugated Sheets*.[23]

Charles D Young & Co are described as Engineers, Iron Founders, Contractors etc in this pamphlet, and the addresses given are: 19 Great George Street, London, and Britannia and St Leonards Iron Works, Edinburgh.

As ever, Charles D Young & Co are pro-active salesmen.

'Few firms have had as much experience as Charles D Young & Co & Co in the construction of Iron Buildings. These they have supplied of all classes and dimensions, from the humblest cottage to Mansions of the greatest extent and most elegant design – from the small store-room to extensive ranges of ware-houses – and from the temporary Meeting and School-House to Churches capable of accommodating two or three thousand persons, with Galleries and Spires, and in very style of architecture. Their experience has been no less considerable in erections of a public character – such as Arcades, Market-Houses, Customs-Houses,

Sheds for Stations, as also in Military Barracks and other accessory buildings: and in all these they have been largely employed by Home and Foreign Governments as well as by Public Companies and Mercantile firms in this country and abroad.'[24]

'The present pamphlet being merely a preliminary to a larger work on the subject, Charles D Young & Co & Co have, in the meantime, confined themselves to the brief descriptions which follow. The first six engravings show the commoner class of Iron Structures largely in demand for various quarters of the world, from their convenience, strength and economy: the others represent more costly, massive or elaborate design.'[25]

'*Iron Structures'* is an interesting and informative work. It notes that Charles D Young & Co were favoured with large Government contracts for Military Purposes such as Barracks, Cooking-Houses, Stores, Stables etc and mentions in particular work at Aldershot and Colchester.[26]

'Camp at Aldershot – We understand Messrs C D Young & Co, of this city, yesterday received instructions from the Government to proceed instantly with the construction and erection of the iron buildings for the new Military encampment at Aldershot. Arrangements have accordingly been made by which ten of these structures will be completed and sent off every week, and that a staff of their workmen leave immediately for the camp to put them up.'[27]

The use of iron for Military hospitals had 'of late attracted the attention of the Medical authorities of the army.'[28]

The late Sir George Ballingall, Professor of Military Surgery at Edinburgh University, had praised iron hospitals for their ventilation, cleanliness and above all, their portability, 'as the very essence of everything that is desirable in a Military Hospital'.[29]

Two examples are illustrated, a simple double-bay structure for encampments, this has a curved convex roof, and a much larger two-storey structure with wings and a verandah all round. The latter could give accommodation to between 100 and 200 men and was suited to tropical climates.[30]

Inspired by the success of the Crystal Palace, built for the Great Exhibition of 1851, further structures of its type were erected in the 1850s. Charles D Young & Co were contracted by the Government to erect the Kensington Gore Museum to be;

'…constructed of Corrugated Iron, supported by Iron Columns and Girders, upon a principle somewhat similar to the Crystal Palace at Hyde Park. That portion of the buildings now in the course of erection will cover rather more than an acre of ground and a sum of £15,000 was last year granted by Parliament for the purpose.'[31]



Fig.171: Dublin Exhibition Building, 1853
(From Charles D Young, Iron Structures)

Charles D Young & Co had also been the contractors for the columns and other cast-iron work on the building for the Irish Industrial Exhibition of 1853, in Dublin. Ironically Charles D Young & Co mentions in *'Iron Structures'* that he has contracts for the

Chelsea and Westminster bridges, two projects with problems which would contribute to his 1858 sequestration.

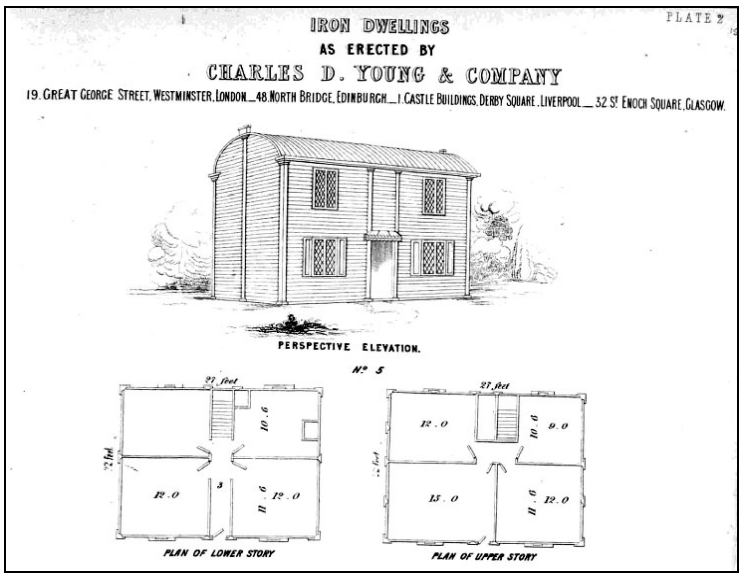


Fig.172: Iron House
(From Charles D Young, Iron Structures)

The first six engravings illustrate fairly mundane structures, mainly of corrugated iron with wrought frames and wrought or cast columns. Most of the roofs have a convex curve which would lend strength to the actual panels themselves enabling lighter supporting framework. One range of cottages actually has a concave roof curvature. Plate V illustrated a two-bay store 'made in large numbers for Australia and South America'

The next 4 plates (Designs 10 to 16) are of much grander structures, houses, some with shops below, with cast iron fronts and are from the designs of Bell & Miller Co. These vary from one to three storeys and from single entities to ranges. Design 11 is an iron store and dwelling house with ornamental cast-iron front (the other walls are corrugated iron), constructed for Messrs Maccallum, Graham and Black of Glasgow, and sent to Australia.

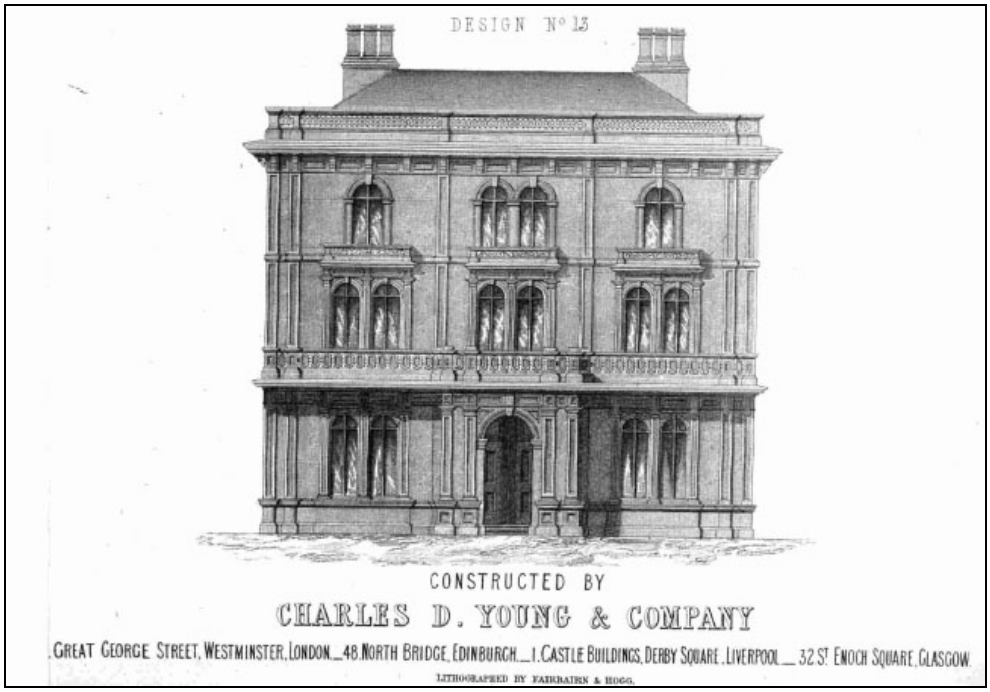


Fig.173: Iron House
(From Charles D Young, Iron Structures)

Design 14 is particularly interesting; it is, beyond doubt, Corio Villa, which survives in Geelong, Australia. Young commented:

'The Villa, from which this is a drawing as actually erected, was made for the late Mr Gray, Colonial Land Commissioner at Geelong.'

In actual fact Corio Villa is slightly different in layout but Young's drawing was probably made at the test assembly in Scotland before export. This demonstrates the flexibility of these structures. Gray died before the Villa was even sent to Australia and some mythology as to its origins existed within the family who eventually bought and erected it, but without question it was built either by Charles D Young & Co or more likely Robertson and Lister, as will be considered later.

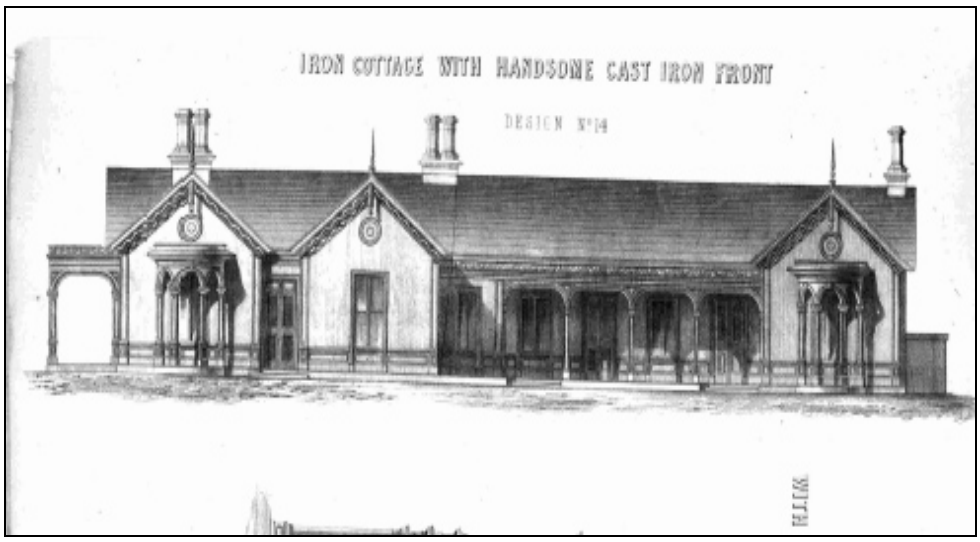


Fig.174: Corio Villa
(From Charles D Young, Iron Structures)



Fig.175: Corio Villa, Geelong, Australia
(Image courtesy of John & Carol Crompton)

Design 15 is a building that was erected for Messrs Miller and Dismorr in Collins Street, Melbourne. This pamphlet states that it

was 'the first building of its kind to be sent to Australia.' It had been made in 1851.[32]

All of these structures, with the exception of the most basic stores for non-perishables, would have been wood-lined and suitably ventilated.

Further illustrations include:

- Two examples of iron churches with cast iron fronts and galleries
- Three examples of arcade, bazaar or market-house and a railway station
- Section drawings of five different roof designs, one convex curve.[33]

There are two illustrations (one internal and one external) of the 'Art Treasures of the United Kingdom' exhibition building erected in Manchester in 1857. A comprehensive description of this building is given of which this is part:

'The Building for the Art Treasures Exhibition at Manchester was contracted for and designed by Messrs C D Young & Co, with the professional assistance of Mr William Dredge, C E, their engineer: its cost, exclusive of decorations, was between £45,000 and £50,000.'[34]

The building is described basically as three gigantic tubes, the largest a central hall or nave, and a picture gallery each side. Further precise detail is given and the overall dimensions are impressive. The façade including wings was 450ft wide, the central

hall 704ft long x 106ft wide and the side galleries each 432ft x 48ft:

'To conclude these statistics, it may be stated that the building covers an area of 16,000 squ yds, or more than three acres, and is calculated to hold 40,000 visitors without inconvenience.'[35]

Charles D Young & Co also built a railway station for the visitors to the exhibition, with platforms 800ft long of which 500ft was roofed over.[36]

There is more information on the Kensington Gore Museum of Science and Art, under construction at the time. It was intended to house artifacts and other items from five different London establishments. If not quite on the scale of the Manchester building, it nevertheless covered 1.5 acres, exclusive of galleries and aisles. The heating would comprise 1.5 miles of 4 and 6 inch pipe, fed by boilers placed in underground vaults external to the building.

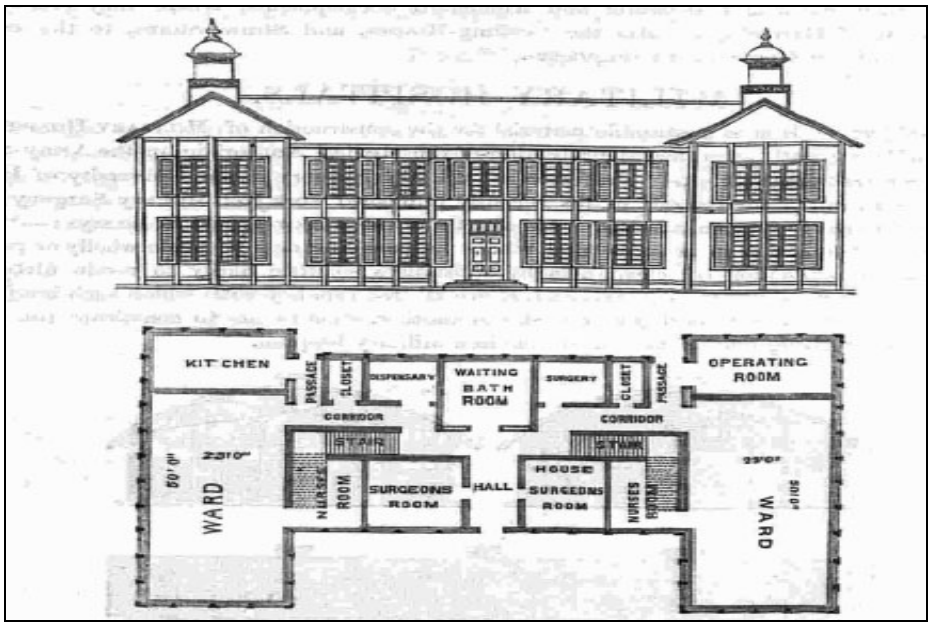


Fig.176: From *Iron Buildings*
(by Charles D Young)

Iron Buildings ends with a short price list which includes bulk purchase of various gauges of Corrugated Iron which was more expensive if curved.

Under 'Iron Castings' they offered: Girders, Columns, Water Pipes and Gas Pipes, Railway and Engineers castings, Balusters for Gates and Railings, Stable fittings, Sugar Pans and Iron Troughs of every description.[37]

Professor Miles Lewis of Melbourne University and other academics have explored the attribution of iron buildings sent to Australia in the early to mid 1850s, especially those by Charles D Young & Co and Robertson & Lister, and in particular Corio Villa.

Lewis comments :

'Australia received not only the system-built corrugated iron buildings of the major English manufacturers, but also a few more substantial cast-iron structures in the older tradition of iron prefabrication. All of these more impressive works originated in Glasgow, and most of them from the one firm of Robertson and Lister. This business seems to have been taken over by, or merged with, CD Young & Co, which has caused endless confusion.'[38]

Issue can be taken, however, with the claim that all of these buildings were made in Glasgow. It has not been possible, as yet, to positively connect an Edinburgh Foundry with Charles D Young & Co before 1857 and not at all with one in Glasgow. There are, however, clues to the likelihood of an Edinburgh Foundry from the early 1850s. Young's Ironworks mentioned in 1857, The Britannia and St Leonards, appear to have stood side by side in the former Leslie's Garden on the south side of East Crosscauseway, in the St Leonard's district of Edinburgh.

The first edition of the Ordnance Survey Map, surveyed in 1852, shows an iron foundry on that site. Charles D Young had leased three parcels of ground thereabouts by 1851, including tenements. Typical of Young's sloppy approach to business, he did not have these assignments recorded and knowledge of their existence is due to a document in the National Archives of Scotland dated to 1855.[39]

Unfortunately no mention is made of the iron foundry in this document. The *Ordnance Survey Name Books* mention the foundry but give no clue to its ownership.

The valuation rolls of 1855-56[40] record the holding of several properties in East Crosscauseway by Charles D Young & Co, although not the foundry, but, it seems most unlikely that their proximity to the iron foundry was purely coincidental!

Davis remarks that;

'the reporter for McPhun, in 1853, described a magnificent display of iron structures at Robertson & Listers, but that he had visited the factory of Young, Peddie & Co of Edinburgh and Glasgow, and had seen many beautiful designs for iron structures.'

Young, Peddie & Co were predominantly an Edinburgh company, the Young was William Denoon, older brother of Charles of Charles D Young. After the co-partnery between Charles and William broke up in 1847, William had also set up on his own and built a foundry at the junction of Grove Street and Fountainbridge in an area of Edinburgh which was eventually to house several foundries.

James Simpson, an advocate, had objected to William's request to build his foundry because it would be next door to his tenant and the value of his property would be affected. The objection was over-ruled.[41]

Young, Peddie & Co first appear in the *Post Office Directory* for 1850-51 and the co-partnery ended on 24 January 1861.[42] In this article the company was described as manufacturers of iron work in Glasgow as well as Edinburgh, therefore it cannot be ruled out that they also had a foundry there, but the existence of the Edinburgh one is unequivocal.

William reverted back to being WD Young & Co after the co-partnery with Robert Peddie ended and his works in Fountainbridge were advertised for sale in 1870.[43]

Miles Lewis also remarked on a possible tie-up takeover concerning Robertson & Lister and Charles D Young & Co but no evidence for this has been found during this current research. However, a possible scenario may be postulated.

Robertson & Lister were sequestrated on 26 February 1855.[44] The sequestration was in response to a petition from C I Malloch, glass merchants, Glasgow, who were owed £600. Upon investigation Robertson & Lister's nett debts were found to be £10,381/19/10d. At the first meeting of creditors (12 March 1855) George Robertson and Alexander Lister were afforded protection against imprisonment.

However, by 16 April 1855, Lister is in Glasgow's North Prison at the behest of his creditors. Lister was discharged on 19 August

1856, but it is not clear whether this was from prison or from his debts.[45]

It could be that both were back in business before too long but not as a team, and whether their output included iron buildings is a moot point.

Charles D Young may have come to some agreement with Robertson and Lister to take over their type of work. However in *Iron Structures*, Young clearly identifies Bell and Miller as architects (actually engineers) of many of they designs they offered. Bell and Miller were also Robertson and Lister's designers and they may simply have used both companies on an availability basis up to the sequestration of Robertson & Lister in early 1855. They are recorded in the *Post Office Directory* from 1853 to 1855 as iron house builders. However, given his other business practices, it would not have been beyond Charles D Young to indulge in opportunism and grab the share of the market left by Robertson & Lister's demise, and he would not have hesitated to use their past history to advertise his own wares. For example, when his co-partnery with his brother William ended in 1847, he carried on using projects from that period to advertise himself. Again, when he published his pamphlet on the Dredge system of suspension bridges, he used historical material without qualifying that he had not actually done the work.[46]

His later catalogues list:

'Machinery, Implements, Tools, Manufactured articles, Raw materials etc, employed in Railways, Mines, Iron Architecture, Bridges, Piers, Breakwaters; Flour, Oil, Saw Mills; Distilleries, Gas Works, Brick and Tile Works; Agriculture, Horticulture and other

Misc Manufactures etc, etc, for Scientific and practical purposes in South America and other countries.'
Also included is a panoramic view of the suspension pier at Valparaiso and one mentions text in English and Spanish.[47]

Assessing Charles D Young's range of products is more difficult once he moves to Perth c.1859. If he produced catalogues between 1859 and 1874, none have been traced during this research. The Perth company history is quite well documented, mainly through the reported proceedings of his three sequestrations there.

In the report on his 1862 bankruptcy, Charles D Young & Co is described as an iron founder, engineer and contractor.[48] During investigation he remarked;

'I had a very valuable connection abroad, and on that I started in Perth.'[49]

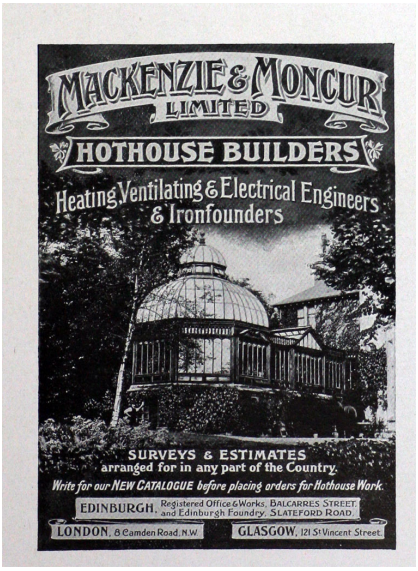
Given that he was already exporting a wide range of goods according to his last Edinburgh catalogues of c.1858, it is reasonable to assume that he took up with at least some of his former customers once he started up in Perth. Whether or not he ever got back into the market for iron buildings is not known, but the production of engines appears to have become a major product, something that was not mentioned specifically in his Edinburgh days.

By the time of his final sequestration in 1874, Charles D Young & Co are described as 'engineers, contractors and boiler-makers'.

3.7 Mackenzie & Moncur

Mackenzie & Moncur have not perhaps enjoyed the profile of the Glasgow firms, yet their output and quality is significant.





Figs.177&178: Front Cover of Mackenzie & Moncur Catalogues, 1900
(The Scottish Ironwork Foundation)

Alexander Donald Mackenzie trained as a joiner and carpenter in Glasgow, and when 22 years of age, came to Edinburgh. George Greig Moncur, having learned something of the joinery trade at home, had also gone to Glasgow where he met A D Mackenzie on a contract at Dumbarton where they were both working. A friendship grew up between the two young men, which eventually led to their setting up in partnership in Edinburgh in 1869 under the name of Mackenzie & Moncur.[50]

The main thrust of the enterprise was the design and erection of hot houses and the company's first premises were at 12 Morrison Street, Edinburgh, formerly occupied by William Carruthers, a coal merchant.[51] Advertising themselves as hothouse builders, their

first advertisement appears in *The Scotsman* on 22 March 1869, offering garden frames and sashes, clearly reflecting their original trade. However, two adverts in *The Scotsman* later in 1869, still for Morrison Street, show a rapid expansion of product range offering greenhouses, vineries, conservatories, heated with hot water. These would obviously have required metal products i.e. piping etc.

Advertisements carrying the Morrison Street address continue until 9 March 1870 but on 13 April 1870, the address changes to Upper Grove Place (No 25 according to the *Edinburgh Post Office Directory* 1870-71). Upper Grove Place extends off the present Grove Street (formerly Grove Lane) and the street itself is first mentioned in the *Post Office Directory* of 1864-65. The expansion of Mackenzie & Moncur's business was reflected in the establishment of offices outwith Edinburgh. According to the *Post Office Directories* offices were set up in:

Glasgow – Victoria Cross, top of Eglinton Street (*Post Office Directory* 1874-75)
Glasgow – move to St Andrews Cross, top of Eglinton Street (*Post Office Directory* 1879-80)
London – 50 Camden Road NW (*Post Office Directory* 1894-5)
Glasgow – move to 48 Victoria Road (*Post Office Directory* 1895-96)

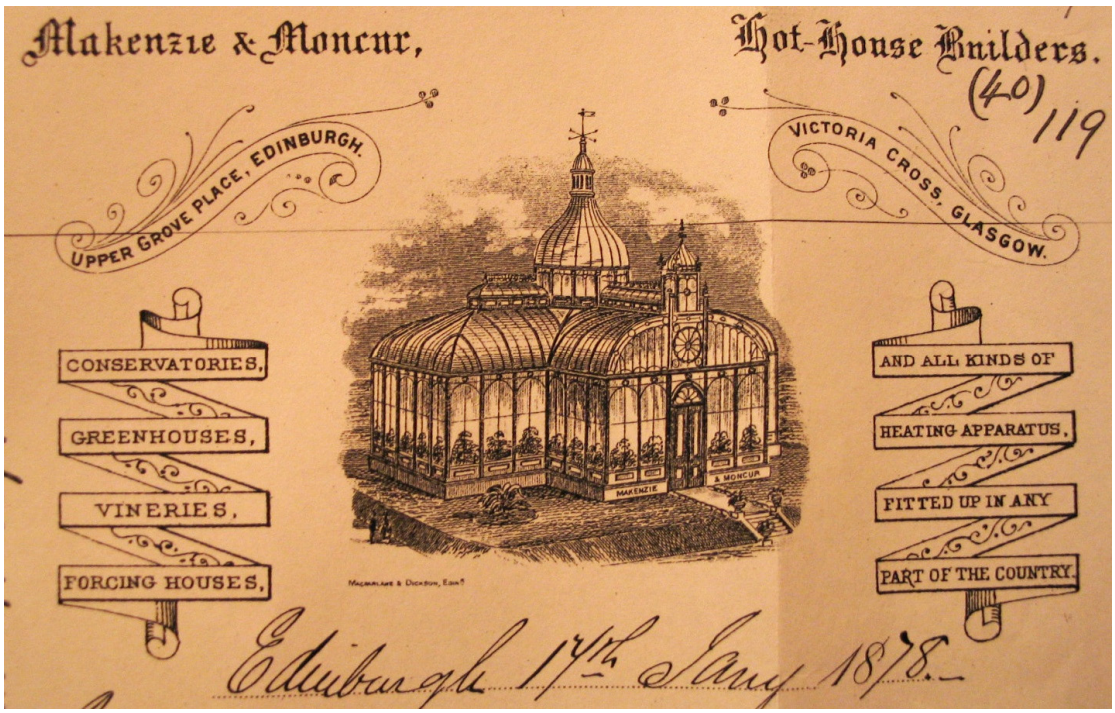


Fig.179: Mackenzie & Moncur catalogue, 1878

Mackenzie & Moncur's business boomed and the clientele eventually included royalty, with the firm erecting hot houses for the future Edward VII at Sandringham while he was still Prince of Wales. This relationship with Edward resulted in the granting of a Royal Warrant to the company in 1892. Shortly after Edward assumed the throne in 1901, Mackenzie personally supervised the reconstruction of the conservatories at Windsor.

A D Mackenzie was elected to Edinburgh Town Council in 1890. In 1893 the Council resolved to introduce electric lighting to the city and Mackenzie was appointed Chairman of the sub-committee of the Lord Provost's committee tasked to carry the project forward. Under his stewardship electric lighting successfully commenced on 11 April 1895.[52] In December 1895 a separate Electric Lighting Committee was formed and Mackenzie was appointed Convener, a

post he held until his retirement from council in 1904. He became a Bailie and served on many public bodies.

Upon his retirement from the Council in 1904, he was elected to the Leith Dock Commission and served as Chairman from 1910-13. During his incumbency many improvements were carried out to harbour and docks.

In the *Post Office Directory* for 1888-89 Mackenzie & Moncur's description in the general entries was expanded to include 'heating and ventilation engineers'. This reflects a move from purely horticultural applications into wider domestic and commercial projects.

'The work of building greenhouses, conservatories etc, quickly extended to the central heating of castles and mansions of the wealthy, who had realised that the benefits of heating by hot water pipes were too great to be confined to their greenhouses only. As electricity was then also beginning to be practicable for lighting country mansions (usually from private generating plant) an electrical department was started so that the firm could offer the facility of installing both central heating and electric lighting.'[53]

A considerable number of Mackenzie & Moncur working drawings survive in the National Archives of Scotland and while some depict large hot-house projects, many are for more mundane works. This reveals that the company was addressing itself across a wide spectrum of society. A significant proportion of the plans are for heating systems, not only for horticultural purposes but for all sorts of buildings, domestic and commercial.

Towards the end of the 19th century A D Mackenzie's son, Alexander, and G G Moncur's son, James, both joined the parent company and became partners before the creation of the Limited

Company in 1894.[54] In the meantime, Cossar, another of A D Mackenzie's sons had started a foundry business, Mackenzie & Co in Gilmore Park foundry, probably around 1885.[55]

In fact, Cossar seems to have taken over a going concern since there is a newspaper advert for a patternmaker for the Gilmore Park foundry as early as 1871.[56] Cossar had started in the foundry business to make

'columns and other parts then required for horticultural and other building construction, and to make radiators and components for central heating'.[57]

Interestingly T*he Scotsman* carries a note of a warrant granted by the Dean of Guild Court to Mackenzie & Co for alterations to the Gilmore Park foundry possibly reflecting the time that Cossar took over.[58]

Another of A D Mackenzie's sons, Lachlan, joined Cossar in the foundry around 1892, which then became Mackenzie Bros.[59] Mackenzie & Moncur were incorporated as a limited company on 22 November 1894 with a share capital of £60,000 made up of 4,000 preference and 8,000 ordinary shares at £5 each.

Around 1896, a Mr Yates Thompson had commissioned Mackenzie & Moncur to erect 'a handsome winter garden' by way of a gift to the City of Liverpool, this had been erected in Sefton Park at a cost of £12,000. Now he intended to do something similar for Liverpool's Stanley Park.[60]



Fig.180: Sefton Park Palmhouse, 2002
(Photograph by D Mitchell)

Both structures are impressive pre-fabricated cast iron assemblies worthy of any of the major iron founding firms. Unusually the glazing bars are also cast iron, but made in short spans to minimise deflection.



Fig.181: Stanley Park Glasshouse with Saracen No 279 Bandstand Adjacent (Image courtesy of Liverpool City Council)

In June 1898 'a disastrous fire' took place within the premises of Mackenzie & Moncur at Upper Grove Place.[61] A minute of a directors' meeting on 25 July 1898 records:

'The Secretary reported that the works in Upper Grove Place were almost completely destroyed by fire on the evening of 11 May. The managers took immediate steps to secure temporary workshops and were fortunate in getting suitable premises at Lochrin, for the joiner work and painting and arrangements were made with Mackenzie Brothers, Edinburgh Foundry, Gorgie for the smith and ironwork being carried on at their premises. Suitable temporary offices were secured in Pavilion Halls, 73 Grove St. On account of the works in Upper Grove Place being small for the trade carried on in recent years, it was decided to erect more extensive premises if a suitable site could be obtained.'

After negotiation ground at Balcarres Street, Morningside, offered by Mr James White, 44 Comiston Road, at the price of £1,000 per acre was decided upon, and a bargain concluded for 2 and 1/5th acres. The money was passed over to Mr White's agents on 5 July

and possession of the ground taken. Boundaries have been fenced off and a start made with the foundations of the new workshops, plans having been lodged with the Dean of Guild Court and approved of. The question of the disposal of the ground at Upper Grove Place and Springfield Street, Leith was considered and it was remitted to the managers to deal with and report.[62]

The mention of Springfield Street is interesting, it was quite an industrialised area at the end of the 19th century. The precise nature of Mackenzie & Moncur's activities there is not yet known but it may be significant that paint manufacture was and still is carried on there.

The fire, which effectively sealed the demise of the Upper Grove Place Works, prompted the City Fathers of Edinburgh to review provision for tackling such emergencies, especially with respect to water supplies.

The Lochrin (Upper Grove) Works were offered for sale in *The Scotsman* between 1 March 1899 and at least 19 April 1899. On the latter date an advert for joiners for Mackenzie & Moncur appears giving the company address as Balcarres Street, indicating that the move had been implemented.

The fire of 1898 was not the last fire to affect the firm. On 9 July 1935, a large fire consumed most of the pattern stores and general offices at Slateford Road.[63] On 5 January 1940, another fire broke out in a timber drying shed at Balcarres Street and took six hours to bring under control.[64]

Balcarres Street is first mentioned in the *Post Office Directory* 1885-56. It started from the Morningside station end and progressed westwards. In 1896-97 Balcarres Street did not extend beyond No 36, Balcarres Cottage.[65] Even after Mackenzie & Moncur had built new and extensive premises there (No 46), the road did not extend to Craighouse Road. Evidence from *Ordnance Survey* maps indicates that link was completed between 1908 and 1914.



Fig.182: Balcarres Works, Edinburgh c.1920, From Mackenzie & Moncur Catalogue (From D Mitchell collection)

Mackenzie Bros continued to operate the Gilmore Park Foundry until c.1900[66] but had also commenced, initially as Mackenzie & Co, at the Edinburgh Foundry in Slateford Road c.1890.[67] Interestingly the entry for Mackenzie Bros[68] describes them as 'architectural iron founders' but, apart from botanical and horticultural buildings, there is no real evidence to suggest they were in direct competition with the likes of Saracen, Sun or Lion

Foundries. Indeed, evidence from a Mackenzie Bros catalogue dated 1902 reveals the range of products to be utilitarian consisting of manhole covers, gratings, vents, airbricks, urinals etc.[69] This would appear to suggest that the company were mainly making components rather than entire structures. The 1900 catalogue notes they are specialists in bandstands, but no known examples have been found to date.

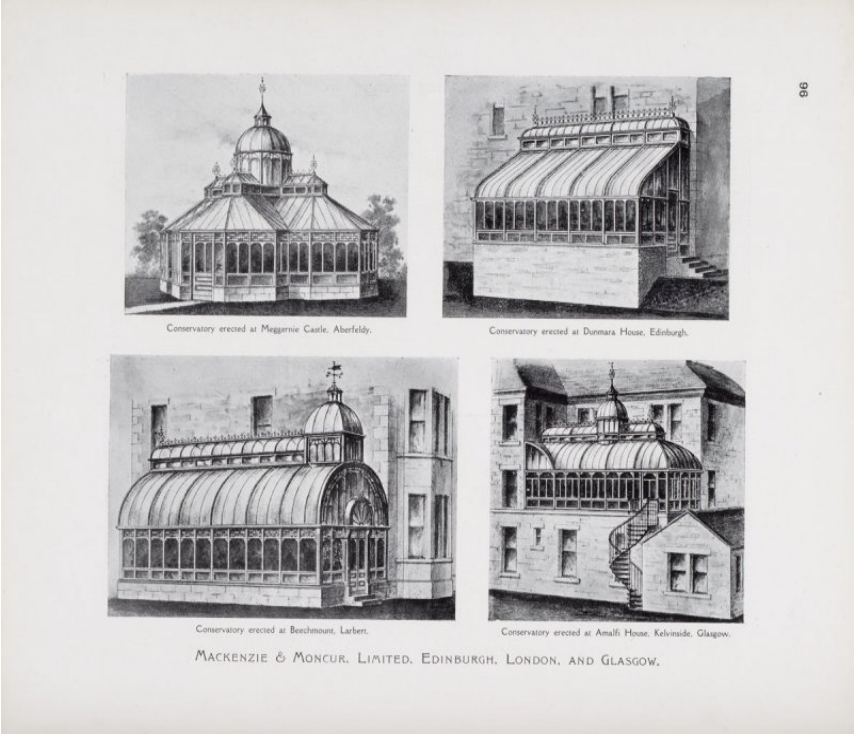
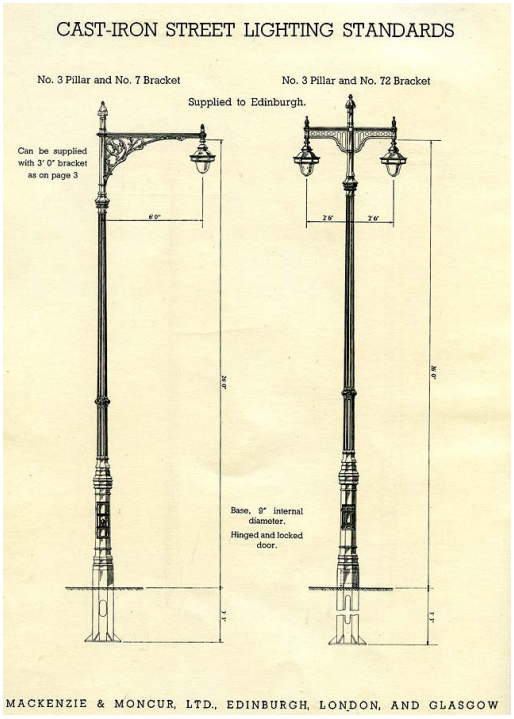


Fig.183: Mackenzie & Moncur Catalogue Extract (From D Mitchell collection)

Lamp standards were a speciality, with many examples in Edinburgh particularly but also Leith, Oban, Southport, Westminster, Weymouth and Dundee.





Figs.184&185: Lamp Standard, Dock Street, Dundee (left) (Photograph by D Mitchell)
Catalogue Illustration (right)

This catalogue is over-stamped 'Incorporated with Mackenzie & Moncur Ltd, Heating, Ventilation, Electric, Sanitary Engineers and Hothouse builders' and will therefore have been issued after the amalgamation of 1904 but, presumably before Mackenzie & Moncur included iron products in their own catalogues.

On June 1904, the capital of the company was increased to £100,000 by means of 8,000 new deferred shares. This extra capital was for the acquisition of Mackenzie Bros, Slateford Road Foundry. This appears to be the first time that Mackenzie & Moncur had 'in house' founding facilities. However, they must have had very reliable foundry connections even before Cossar set up around 1885.

A minute of a directors' meeting on 3 May 1904 explains that a desire to extend the sphere of operations of Mackenzie & Moncur coupled with the death of Cossar, senior partner in Mackenzie Bros led to the idea of acquiring the business of the latter.[70]

The value of Mackenzie Bros had been established as £36,000 and a suitable offer was made to Mr David Dougal, WS, agent for Mackenzie Bros.

A Mackenzie & Moncur catalogue of 1909[71] is headed 'Inspection, manhole and roadbox covers and frames, coalshoot covers, gulley traps, gratings, ventilators etc.' Various addresses are given:

Foundry Dept – Edinburgh Foundry, Slateford Road
Registered Office and other Depts, Balcarres Street
Offices – London, 8 Camden Road
Glasgow, 121 St Vincent Street

In addition to the range offered in the 1902 Mackenzie Bros catalogue, the 1909 Mackenzie & Moncur edition includes sewer ventilating shafts, pawl posts (bollards), wall drinking fountains, cast iron tanks, stable fittings, horse troughs, spiral stairs, prismatic pavement lights and arc lamp pillars. It shows an iron conservatory erected at Skibo Castle.

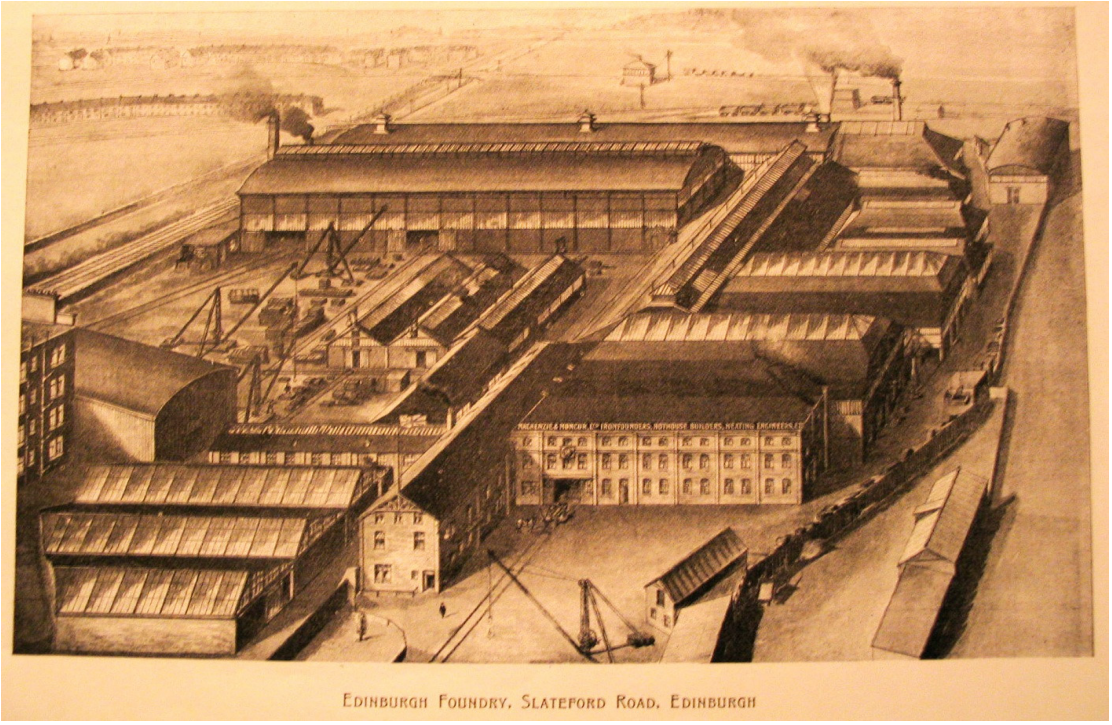


Fig.186: Slateford Road Foundry, c.1920
(From D Mitchell collection)

Appended to the 1909 Volume is a small section entitled Iron Stairs, a catalogue of straight, spiral and fire escape or emergency stairs;

'Combination iron and wood block treads and platts adopted at (among others) GPOs Glasgow and Edinburgh, Haymarket Station, Scotsman and Evening News buildings'.

There is no date on this item but it is probably c.1910.

Mackenzie & Moncur and the Botanics

A large scheme of improvements was carried out at the Royal Botanic Gardens and Arboretum in Edinburgh starting in the early 1890s.[72]

The Botanics had started life around 1670 as the Physic Garden, part of the garden of The Trinity Church, which lay at the head of

Leith Wynd, roughly between the sites of the present North and Regent's bridges. From 1695 until the early Victorian period, a small part of the precincts of Holyrood Palace was also used. The major site was moved from the Trinity Garden to the west side of Leith Walk around 1770 and then to the present site at Inverleith in 1822.[73] Enlargement at Inverleith took place in 1858 and 1865. In 1877 the Council bought Inverleith House and its grounds for an Arboretum and handed them over to the Crown – the latter undertaking to maintain them as a scientific educational establishment. Up to 1890 the Treasury and The Board of Works had shared jurisdiction but in that year all responsibility was given to the latter. This simplified administration allowed a comprehensive scheme of improvements to be undertaken.[74] Former boundary walls were demolished and new walks established.

'To begin with, the whole heating arrangements are to be remodelled. At present there are in the garden no fewer than twenty boilers with eleven stoke holes. The disposition of the boilers entails an enormous amount of superfluous work, and is wasteful of fuel. On the N side of the conservatories is a disused engine house of substantial construction, with an ornate chimney stack, and this building is in the process of being converted into a central source of heating for the whole of the reconstructed conservatories and for the palm-houses. There will be four low-pressure boilers, placed underground and a modern system of heating by hot water pipes will be introduced by Messrs Mackenzie & Moncur. The long range of conservatories consists, it may be remembered, of a large domed central hall and wings. It has a southern exposure but is of old construction. The central domed hall will remain, and so will portions of the wings, to serve the purposes of a corridor; but in the way of new buildings there will be erected four conservatories, set at right angles to the present range – two on each side of the central hall, and running a considerable way into the ground at present occupied by specimen shrubs and trees.'[75]

The palm-house was also to undergo a thorough remodelling since it had 'too many dark places'.

'The inner portion of the palm-house where the spiral stairs are placed will be separated from the outer portion by a glass partition…This portion of the building will be enlarged by the construction of an annexe of semi-circular form, the other conservatories in rear of the palm-house will gradually be reconstructed.'[76]

Although the August 1892 article only mentioned Mackenzie & Moncur specifically in conjunction with the heating system, another article of a couple of years later confirms that they were involved in at least some, if not all, aspects of the new structures and refurbishments.

'The improvements at the Botanic Gardens, Inverleith Row, which have been in progress for the last year or two, have been advanced another stage by the completion of two of the new plant houses. It is intended to remodel the whole of the greenhouses and the beginning which has been made will give an idea of the scale upon which the scheme is to be carried out. The two new greenhouses are on the W side of the old range nearest the palm-house. They are each 70ft long, 24ft in width and 14ft at the ridge at the roof. Running north and south behind them is a corridor which will extend along the whole range. The part completed is 80ft in length by 10ft in breadth and with a concrete wall 17ft high.'[77]

'The houses, which have been constructed by Mackenzie & Moncur, are of a light and airy character…The heating pipes, which are connected with a central system, are carried in a tunnel under the paths large enough for a man…The cost of the new houses has been £1,800.'[78]

A new fern-house for the Botanics was completed early in 1908.

'It has been erected on ground to the east of the present range of greenhouses, with which it communicates, and to the main passage of which it forms a pleasant termination. Constructed of iron and glass, the main house has a length of 70ft, a width of 57

ft at its widest part, and a height of 16ft. At the far end it opens up into a domed chamber 25ft in height….Ultimately it is hoped that it will communicate directly with the large palm-house. Set at right angles on the south side of the main building are two new glasshouses about 60ft in length…

...The heating system in the new fern-house was via narrow gratings on either side of the beds whereas in some of the other hot houses the heat percolated through holes in iron plates upon which the visitors walked. The fern-house had been erected by Mackenzie & Moncur at a cost of £2,400.' [79]

Mackenzie had also erected a new wing at the Botanics at Kew.[80]

In 1906 a Mr McLaren had resigned as Manager of the Electric Lighting Department and was replaced by John G Burchell. The Electricity Generating Plant at the foundry at Slateford Road had been completed and was now working and;

'It had been decided to erect a second electric travelling crane in the large moulding shop in the foundry at a cost of about £700.'[81]

By 1912, the third generation of Mackenzies and Moncurs had joined the company, Viz. A D Mackenzie, Junior (son of Alexander) and J M and W G Moncur, sons of J L Moncur.[82]

By this time, Mackenzie & Moncur was well established in its various fields, having branches in London and Glasgow. Its large contracts for greenhouse construction included the Royal Gardens at Sandringham and Windsor, and its heating contracts, as well as being for many famous stately homes for royalty, nobility and gentry, were also spreading to churches, universities, hospitals, theatres, schools, factories and business premises, throughout the country, including such important buildings as the head office of the Bank of England in London. The Foundry also prospered, and as well as providing castings for the heating and hothouse-building

sides of the business, also made many castings for the building and engineering industries.

The First World War prompted the younger members of the two families to enlist as did many of the employees. Sadly, the brothers James and George Moncur were both killed and many other members of staff were also killed or wounded. During World War One the whole of the company's capacity was given over to the production of munitions under Government control and direction. Both of the original founders of the company, A D Mackenzie and G G Moncur died within a few months of each other in 1915. They passed away peacefully in their homes, 'honoured and respected by their fellow countrymen'.[83]

'After the war ended in 1918 and the survivors came back to their peacetime jobs, much had changed. Taxation and other factors hit heavily the landed proprietors for whom much of the firm's work had been done, and the demand for private ranges of greenhouses fell away to almost negligible proportions. The 'depression' of the thirties also made matters difficult for all, but the firm carried on, adapting its output to meet the altered demands of the market.'[84]

A short newspaper article in 1922 confirms that Mackenzie & Moncur were still very much in the horticulture business.

'One of the most attractive displays in the show (Highland and Agricultural) is an up-to-date conservatory manufactured by Mackenzie & Moncur…The firm specialises in garden furnishings and it is worthy of note that the firm carried out the contract of erecting all the hot-houses at Windsor and Sandringham, as well at many other mansions throughout the country. Heating, ventilating and electrical engineers and ironfounders, the firm also show garden boilers, seats, garden frames and everything of a like nature connected with horticulture.'[85]

On 18 March 1933 the capital was reduced to £90,000 by returning £2/10/- per preference share and reducing their value by the same amount.[86] A further reduction of £10,000 took place in 1934.

In 1939, at yet another exhibition, the work of Mackenzie & Moncur is described.

'On the stand of Mackenzie & Moncur Ltd, Edinburgh, are shown various activities of the firm. One side represents the firm's works as suppliers of building materials. These include manholes, gulleys, gratings and airbricks and other cast metal goods made in the firms foundry. A short section of cast metal spiral stairway is shown. The firm also manufactures doors, windows, tables and similar articles, and this aspect of work is illustrated. The other side of the stand shows the firms work in domestic engineering. A gas-fired boiler for a small central heating circuit and domestic supply is shown working. Other heaters, whose effectiveness the spectator quickly realises, include a unit heater for factories and a convector room heater.[87]

During the years between the Wars and after the second, social changes became intensified, and the organisation of the company was adjusted to meet these. Many large commercial and industrial heating, ventilating and pipework contracts were successfully carried out by the heating department, while the foundry department continued to make castings of various types and sizes; there is, indeed, hardly any part of the world in which MACKENZIE & MONCUR castings are not found, whether as lamp standards, parts of buildings and bridges or as integral components of various types of machinery or of locomotives or ships. Parts of the stabilisers and steering gear of such famous ships as the Cunard 'Queens' originate from the same 'birthplace' as the well-known three-branched lamp-standards of Picadilly Circus, the 'hub' of London and the Commonwealth.'[88]

Alexander Mackenzie, son of the founding A D, died in 1930 and his brother Lachlan in 1941. These deaths were followed by that of J L Moncur, son of the founding G G, in 1949 at the grand age of 87. This left the company in the hands of A D Mackenzie (Jnr), Chairman and Messrs W H, Ian, Alan and R S Mackenzie as

Directors. W H Mackenzie died in 1953 and a Mr J West was appointed to the Board but, he too met an early death only a year or two later. At this stage Mr D A H Mackenzie and Mr T P J Nicolson then became directors, to form with Messrs A D, Ian, Alan and R S Mackenzie, the Board which directed the affairs of the company up to the Centenary in 1969. A D Mackenzie resigned from the Board due to ill-health and was created Honorary Life President in 1969, but died later that year.[89]

In its latter years Mackenzie & Moncur was broken up into several smaller, but wholly-owned entities under the parent firm.

Mackenzie & Moncur Boiler Efficiency Ltd – incorporated 21 March 1969
Thomas Peter Johnston Nicolson, Director or Secretary
6 Braid Farm Road, Edinburgh 10 – Registered office 5 Alva Street
7 October 1975 – registered office now Larchgrove House,
Edinburgh EH14 7BD
D A H MacKenzie (Director)
Wound up 1 March 1977[90]

Mackenzie & Moncur Heating Ltd – incorporated 24 December 1963
Directors (D.O.B):
A D Mackenzie (16-2-1891)
Ian MacKenzie (14-3-1904)
Alex MacKenzie (18-6-1917)
Robert S MacKenzie (1-3-1921)
D A H MacKenzie (14-4-1931)
Wound up 4 April 1975[91]

Mackenzie & Moncur Foundry Ltd – incorporated 24 December 1963
Same Directors as 'Heating'
Wound up 20 March 1974[92]

Mackenzie & Moncur – incorporated 21 November 1894
James A Marshall – physician – Woodville, Edinburgh
Alex Donald MacKenzie – hothouse builder – 6 Hartington Gardens
George Greig Moncur – hothouse builder – 46 Leamington Terrace
Alex MacKenzie – hothouse builder – 32 Forbes Road
James Lawrence Moncur – hothouse builder – 12 Leamington Terrace[93]

A total of seven smaller Mackenzie & Moncur businesses were created in the later years, the last survivors being Mackenzie & Moncur (Advisory) Ltd, dissolved in 1986 and Mackenzie & Moncur (Consulting) Ltd, dissolved in 1998.[94]

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Three page printed document with family photograph, courtesy of Mr A G Hamilton, undated
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55 *The Story of Mackenzie & Moncur,*
Three page printed document with family photograph, courtesy of Mr A G Hamilton, undated
56 The Scotsman, 23/8/1871
57 *The Story of Mackenzie & Moncur,*
Three page printed document with family photograph, courtesy of Mr A G Hamilton, undated
58 *The Scotsman,* 13/11/1885
59 *Edinburgh Post Office Directory* 1892-93
60 *The Scotsman,* 1/3/1898
61 The Scotsman, 17/6/1898
62 Glasgow University Business Archives, Ref 118/2/1
63 *The Scotsman,* 10/7/1935
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3.8 Falkirk Iron Founders

Falkirk and the surrounding towns and villages of Grangemouth, Boness, Denny, Larbert and Bonnybridge formed a key part of the iron founding industry in Scotland until the mid 20th century. These firms often had their roots in Carron at some point in their distant history but they tended to specialise in perhaps engineering castings or domestic goods – stoves and ranges. Many did manufacture architectural work – commonly gates, rainwater goods and railings at least as evident in their catalogues, or to fulfill local demand.

These were not small firms. The Columbian Foundry of Smith and Wellstood (founded c.1870) were making 60,000 stoves per year in 1876 with a staff of several thousand.[1]

Whilst none of the largest Falkirk firms engaged in architectural work in the way that the Glasgow specialist firms did, the contributions of Carron, the Falkirk Iron Co, Callender Iron Co and Grahamston Iron Co are worth recording.

Groome's Ordnance Gazetteer for Scotland 1882–1885 noted the numbers of hands employed at that time;

Carron Co	2500 hands
Falkirk Iron Co	900 hands making 300 tons per week
Grahamston Co	300 hands
Callender Iron Co	80 hands

Carron

The importance of Carron in creating an iron industry in Scotland and the wider world cannot be under estimated, both in smelting and foundry work. Its fame was, and to some extent still is, global. Carron produced a broad range of goods in cast iron and as we have seen produced some of the very earliest architectural cast ironwork.

The influence of the Adam brothers on Carron and vice versa was of pivotal importance in accelerating a taste and acceptance of cast iron as a decorative medium.

The movement away from wrought iron to cast iron meant mass market, but also demonstrated that delicacy of design and detail were still possible.



Fig.187: Carron Balcony Panel
(Courtesy of SCRAN)

The balcony railing panel for the Adelphi development, designed by the Adam Brothers, incorporated the above panel made at Carron around 1768–1770. This was many decades ahead of the products

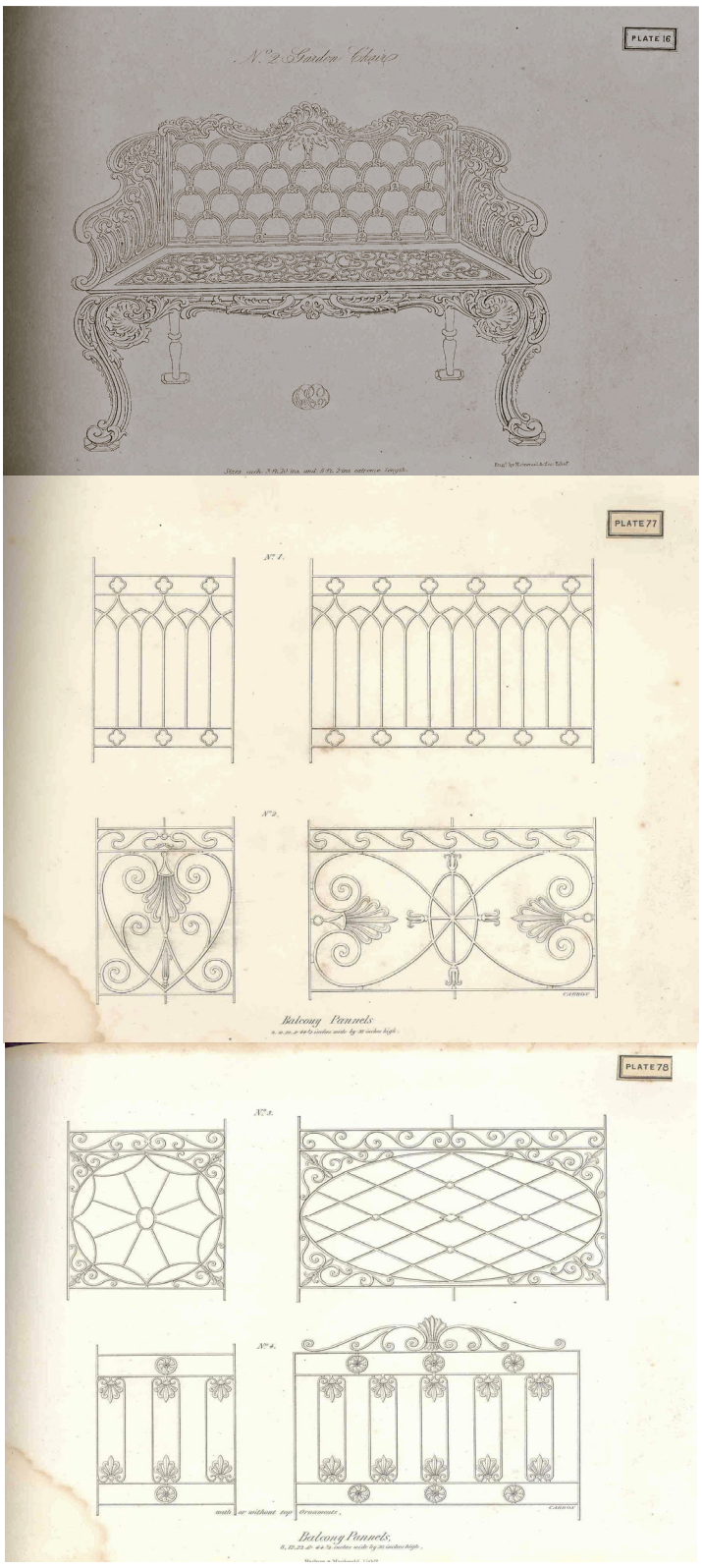
of any other firm, except perhaps Coalbrookdale, who did not command such high profile architectural patronage.

The Regency ironwork produced by Carron was very popular and found in abundance in towns like Cheltenham (below).



Fig.188: 20 Priory Road, Cheltenham in 1970
John Gay, National Monuments Record

In one of their earliest catalogues running to 100 pages (No 2 issued in c.1780) the range of architectural goods is scant, but what is featured is of exceptional quality. There is a bench to rival Coalbrookdale, the classic baluster panels and even cast iron windows.



Figs.189,190&191: Three Plates from Carron Co Catalogue No 2, c.1780
(From D Mitchell collection)

Yet architectural and ornamental work for Carron never figured significantly in their output as a key item. For a period in their early history they had the market pretty much to themselves but the demand for such decoration was relatively low in Scotland at the very end of the 18th century and they likely provided as much as the market demanded. The supply of ironwork to Edinburgh's New Town, again prompted by Adam brothers work at Charlotte Square, was replicated for 50 years afterwards by other firms following the elegant and simple designs.



Fig.192: Cast and Wrought Ironwork by Carron in Charlotte Square, Edinburgh (Image courtesy of SCRAN)

Carron, like most other Falkirk foundries, supplied gates, railings and structural ironwork to fulfill the demand of the 19th century. The staged portrait in the fitting workshops shows staff busy fettling castings for use.



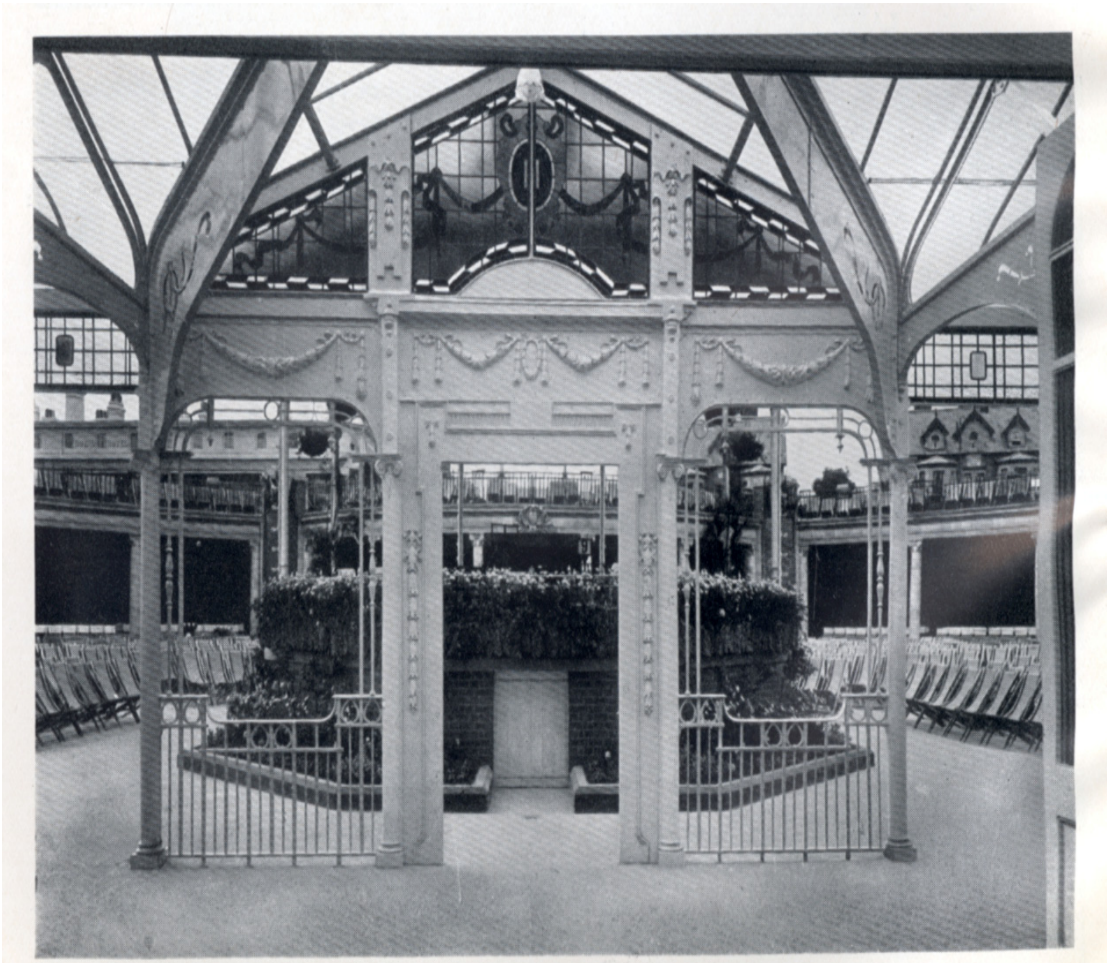
Fig.193: Carron Workshop, 1890
Falkirk Museum Archive

Carron did successfully produce art nouveau lines, primarily in railings with examples in Ullapool, Lerwick and Stornoway. They also produced and supplied three art nouveau park shelters to Plymouth, two on the Hoe and one in Freedom Fields Park, recorded as 'Type 300'.



Fig.194: Freedom Fields Carron Shelter
(Image courtesy of Heritage Engineering)

It was not until comparatively late on that they produced catalogues specifically aimed at the architectural market. Like many other foundries, changing tastes and fluctuating demand saw them looking to other markets. Structural and decorative work was featured in an architect's catalogue of the time (c.1910), showing examples erected in Clacton on Sea and notably the front façade of Harvey Nichols in London.



STRUCTURAL IRONWORK OF SHELTER AT CLACTON-ON-SEA,
ERECTED BY CARRON COMPANY.
ARCHITECT—DANIEL J. BOWE, ESQ., MUNICIPAL OFFICES, CLACTON-ON-SEA.
418

Fig.195: Structural Ironwork of Shelter, Clacton-on-Sea By Carron Company

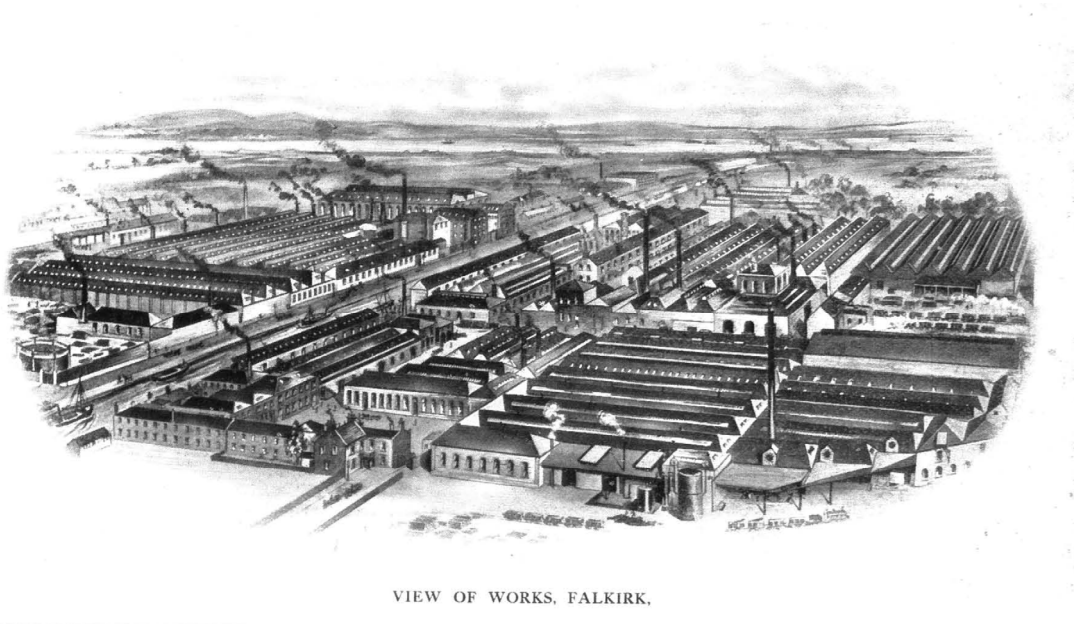


Fig.196: Harvey Nichols, London
Carron Co Architects Supplement c.1910

Other constructional – decorative projects were undertaken in Harrogate (Museum extension 1913), Llandudno (Malborough Hotel verandah c.1910), and theatre canopies for the Rotherham Hippodrome (1908) and Her Majesty's Theatre in Walsall (1900).[2]

Falkirk Iron Co

Falkirk Iron Co was established in 1819 as a Joint Stock Company. The company had its origins in the Falkirk Foundry Co which was set up in 1810 by staff from the Carron. In 1830, R W Kennard became a co-partner and the company was re-named Ashwell & Kennard until 1849.



VIEW OF WORKS, FALKIRK.

Fig.197: View of Falkirk Iron Co, General Catalogue c.1890

In 1929 the company became part of Allied Iron Founders until 1961 when the company was dissolved and the foundry became part of Allied Iron Founders Ltd. Allied Iron Founders was taken over by Glynwed in 1969 and the foundry, Falkirk Iron Works, closed in 1981.[3]

The firm considered itself general iron founders but listed verandahs, benches, tomb markers, gates and railings in its catalogues. The focus was on domestic ornamentation much like Coalbrookdale, but they particularly focused on fire grates, mantel registers and stoves with an extensive range.

The approach was generalist and often utilitarian but the firm had the capability and depth to produce high quality castings to compete with the best.

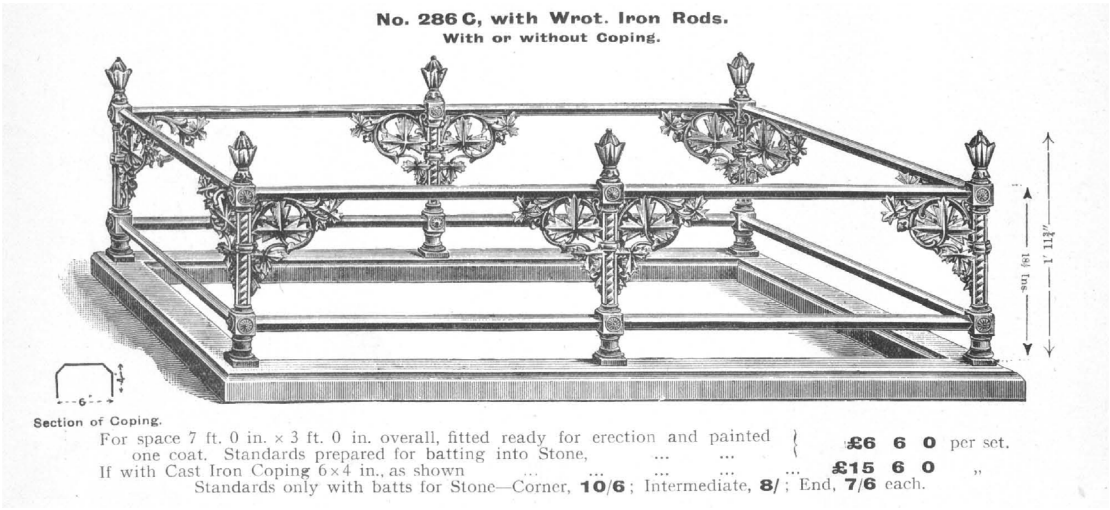


Fig.198: Trade Catalogue, c.1890



Fig.199: Falkirk Ironworks Art Nouveau Baluster, 1898 (Courtesy of the V&A Collection)

Callender Iron Co

Established in 1876, Callender Iron Co produced a broad range of typically domestic ironwork, with a focus on fire grates and mantels. Their late 19th century 'General Catalogue' does show a range of architectural work, primarily gates and railings, but of high quality.

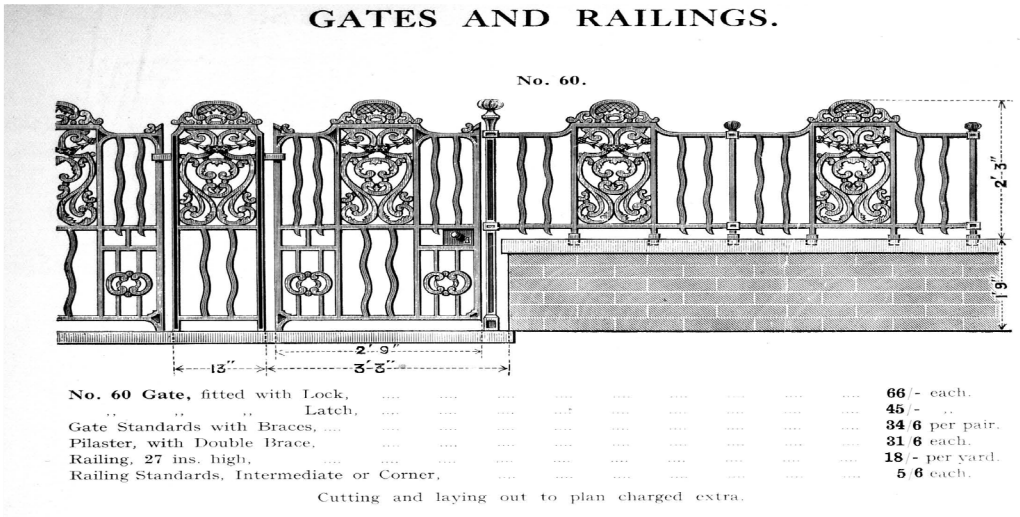


Fig.200: General Catalogue of Callender Iron Co c.1890

The firm became part of Allied Iron Founders in 1929 and subsequently merged with Abbots Iron Foundry in 1933. It then merged with Dobbie Forbes of Larbert in 1959, closing in 1964.[4]

Grahamston Iron Co

Grahamston Iron Co was founded in 1868 by William Mitchell, incorporated in 1959, and went into administration in 1994. A broad range of work was undertaken, especially rainwater goods (being cast up until the foundry closed) and also light engineering castings, municipal castings – drain covers etc. Domestic castings were a core activity including stoves and fireplaces in particular.[5]



Fig.201: 1886 Gate Arch Outside the Grahamston Iron Works
(Image courtesy of SCRAN)

Architecturally the firm is most famous for the gate arch it made for the 1886 Edinburgh International Exhibition where it was awarded a Diploma of Honour. The gate arch was re-located to the front entrance of the foundry, and after closure was re-located to the former site of Carron Ironworks. Lesser known is the second gate manufactured and erected in Grimsby (see overleaf). The firm also made the surround for the tomb of Sir John De Grahame, lieutenant of Wallace, killed at the Battle of Falkirk. De Grahame gave his name to the area where the foundry stood.



Fig.202: Grahamston Gate Made for People's Park, Grimsby (Image courtesy of The Scottish Ironwork Foundation)

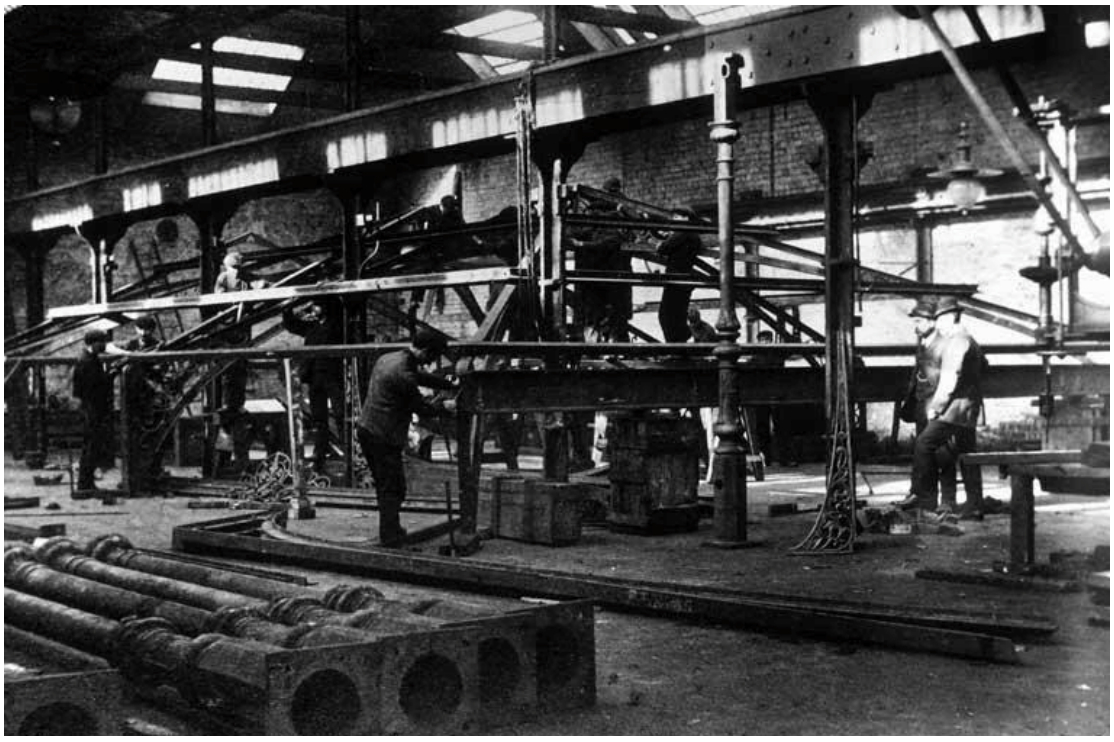


Fig.203: Roof Canopy in Erecting Shop, 1911 (Image courtesy of SCRAN)

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3.9 David King & Co, Keppoch Ironworks

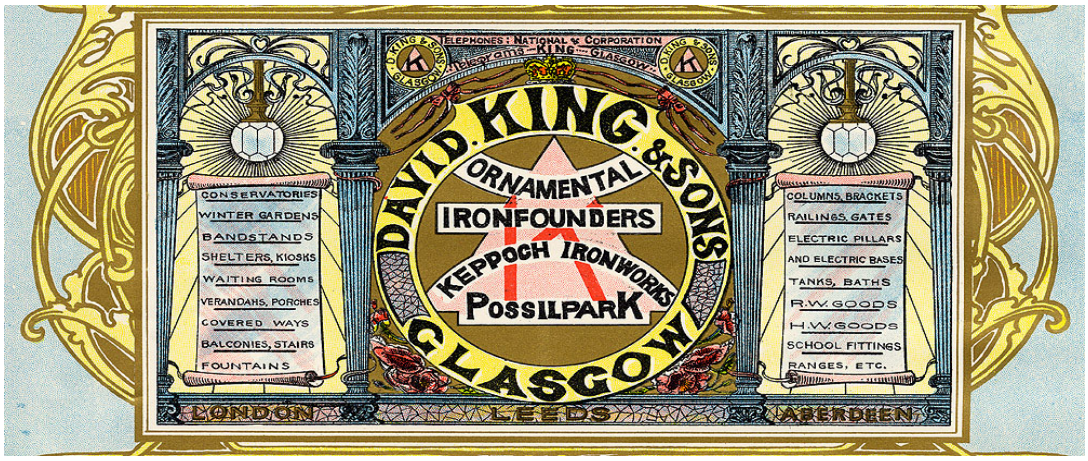


Fig.204: David King Logo from Trade Catalogue (From D Mitchell collection)

John King left school and started work with McDowall Steven and Co at Milton Ironworks.[1] He was clearly talented and was sent to study science and art modelling at college in the evenings where he studied under the famous Glasgow sculptor John Mossman.[2]

After 11 years he had risen to the position of Foundry Manager at Milton, and left to establish his own firm in partnership with his father in Keppochhill Road on what had been the Saxon Foundry and re-named it the Keppoch Ironworks.[3] In 1885 the business had grown sufficiently to feu land at Possilpark and build a new Keppoch Ironworks. Allan Ure and Co took over the Keppochhill Road site and operated it until 1968.[4]

They purchased all the patterns and plant from Messrs Brown, Henry and Haddow at Budhill Ironworks in Shettleston in 1890 and extended the works to 8 acres, and by 1909 were employing 500 men.[5]

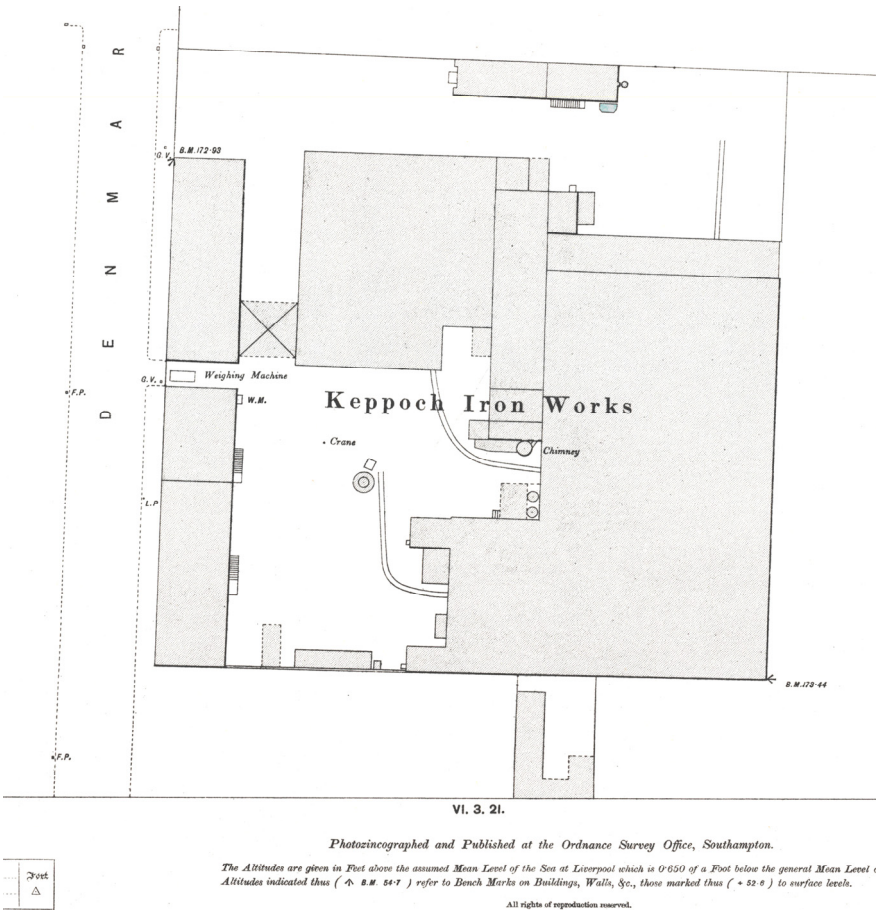


Fig.205: Plan of Keppoch Ironworks, Denmark Street, Possilpark (1894 Ordnance Survey)

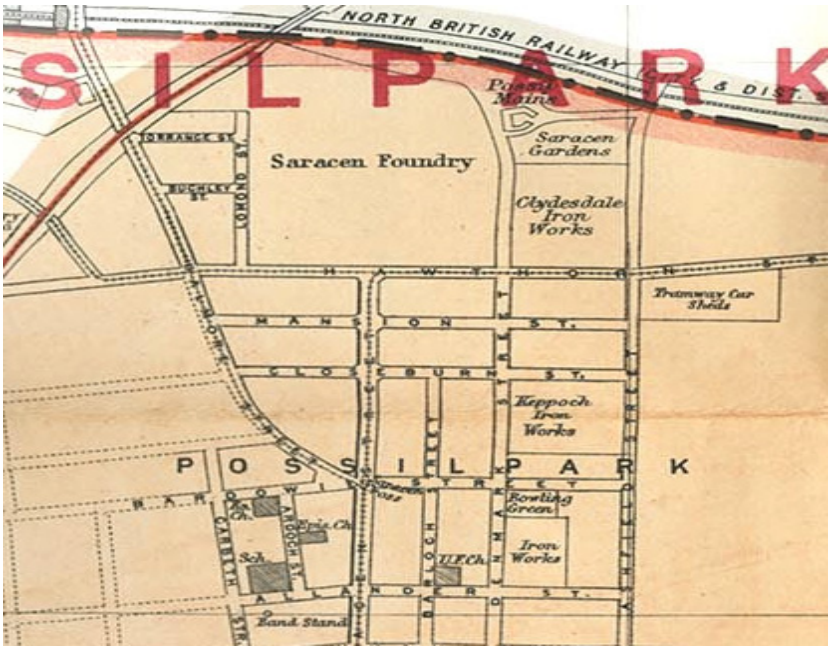


Fig.206: 1913 Ward Map of Possilpark Showing Keppoch Ironworks on Denmark Street

David King died in 1892 and the business was taken forward by John, David Jnr, Donald and Robert King. John King led the business and like other Glasgow industrialists became actively involved in civic life, becoming a senior magistrate and participating in a range of philanthropic endeavours.[6]

In 1947 David King and Sons became part of Federated Foundries. The firm closed in the early 1960s. The buildings were taken over by the City Glass Company (below) and were demolished in the 1980s.



Fig.207: Keppoch Ironworks, Denmark Street, 1967
Note Saracen Cast Iron Lettering on Building
(Image by John Hume – RCAHMS)

Projects and Manufactures

Keppoch largely focused on sanitary and domestic castings, which is reflected in the limited number of catalogues they produced, but they did manufacture ranges of architectural components – railings, terminals crestings, columns etc.

In comparison to other manufacturers, their legacy of ironwork existing is relatively scant given the scale of the firm.



Fig.208: Keppoch Gate and Railings in Lerwick Burgh Road, Shetland
(The Scottish Ironwork Foundation)



Fig.209: Keppoch Railings in Dingwall
(The Scottish Ironwork Foundation)

Examples of shelters and bandstands remain in Southport and in Halifax, erected in 1897.



Figs.210&211: Keppoch Ironworks Bandstand Erected in Halifax, 1897
(From D Mitchell collection)

Southport was a lucrative town for Keppoch, with extensive runs of glazed canopies provided for shop fronts, many of which remain. Only one small drinking fountain is known – a rather uninspiring effort using a bowl and a building terminal which can be found in Dunbar.

Extensive ironwork was provided for Penarth Pier in 1894, with around 1,400 feet of cast railings manufactured.



Fig.212: Penarth Pier (1894)
(The Scottish Ironwork Foundation)

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Chapter Four

Walter Macfarlane and Co



Fig.228: Stamp of Walter Macfarlane & Co
From 7th Edition catalogue
(The Scottish Ironwork Foundation)

'In this new foundry an immense variety of work is turned out, and art in cast iron is cultivated to such an extent, and with such an amount of success as are not known elsewhere, either in this country or abroad…Macfarlanes castings are favourably known in every civilised nation in the world…'[1]

The Saracen Foundry of Walter Macfarlane and Company was the key architectural iron founding firm in Scotland's history. No other company gained such a reputation or international profile, or was so adept at marketing and promoting its wares. Even today the name has positive associations, particularly for structures found overseas described as being from the 'famous Saracen Ironworks'.

The family name of Walter Macfarlane was a common one. For clarity in this text - Walter Macfarlane Snr (1817–1885) was the founder of the firm, Walter Macfarlane Jnr (1853–1932) his nephew and subsequent Director, followed by his son Lt Col. Walter Macfarlane.

4.1 Early Years

Walter Macfarlane Snr (1817–1885) was born in Torrance in 1817, on the outskirts of Glasgow. His mother was Agnes Leech from Lanark, and his wood turner father, Walter Macfarlane, from Torrance itself. Walter was the youngest of six children.[2]

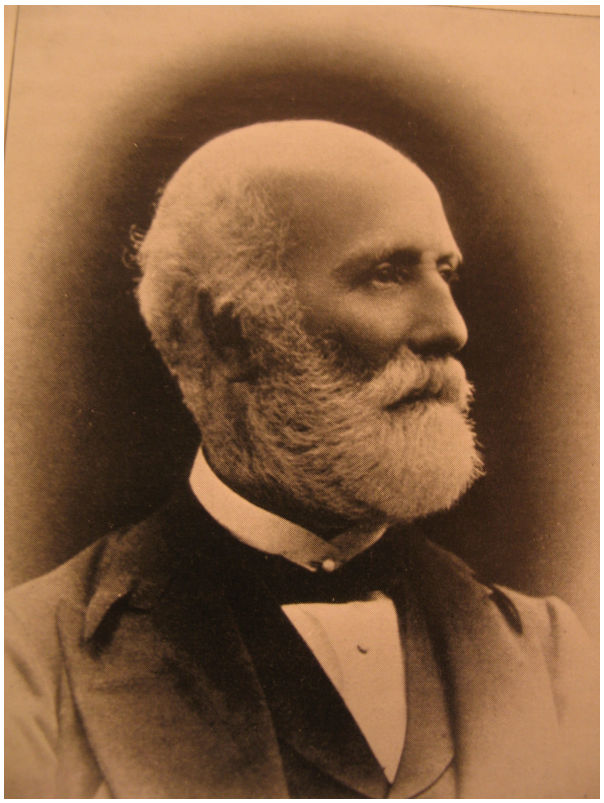


Fig.229: Walter Macfarlane Snr
(Image from Mitchell Library)

This was not a wealthy family – 'his parents were not in a position to give him anything more than the most humble education.'[3] He entered the employment of William Russell around 1830 as a shop boy to the jeweller at 104 Trongate, Glasgow.[4] He attended night classes as a means of self education, and took an evening course in design.

Around 1833 he left the jewellery business to undertake a seven year apprenticeship to James Buchanan (Blacksmith) in Stockwell Street, Glasgow, before moving to the Cumberland Foundry of Moses McCulloch & Co in the Gallowgate around 1840, eventually

rising to become the Moulding Shop Manager. Moses McCulloch & Co had been founded nine years previously and in time became a well established Glasgow firm. They undertook some structural architectural work, but were largely jobbing iron founders.

It is interesting that his early experiences were in wrought or 'hammered' iron before moving into the foundry industry. Like the Adam brothers at Carron, perhaps he could see the potential benefits that the mass production of cast iron over wrought iron. The 6th Edition of the company catalogue notes in the preface that Walter was particularly interested in the decorative treatment of cast iron by 'colour and gilding' at this time.

During his apprenticeship he would have learned the basic techniques of working and forging metal, principally wrought iron. He would have learned the properties of materials, jointing and decorative techniques. Most iron founders had a smithing or forge shop which would also be described later as a fitting or fabrication shop. Castings often required to be cleaned, finished off, drilled and component pieces put together. It is not known in what capacity he moved to Moses McCulloch, but it seemed he quickly moved from manual labour to a manager's post. The Moulding Shop Manager would organise the workflow for production and manage the manufacture of the sand moulds for casting.

On 8 March 1848 he married Margaret (Maggie) Russell, the daughter of William Russell the jeweller, his former employer. Glasgow engineer, Andrew M'Onie was the best man.[5]

4.2 Founding of the Company

Over the winter of 1849/1850, Walter Macfarlane went into partnership with his friend James Marshall (1817-1883). Their

relationship was based on the friendship of their respective wives. Neither had capital to start the business, but until the Thomas Russell memoirs were discovered, the background to the business arrangements were unknown.

'In 1849, some disagreement having arisen between Macfarlane and his employers, he determined to start business as an Iron founder and entered into partnership with James Marshall, who was at that time a Writing Master in Albany Place. Mrs Marshall, formerly Miss Ray, was also a close friend of Margaret Russell.'

'Macfarlane had little or no cash available and my father lent him £200, which was put into the business. Marshall also borrowed from the Misses Brown another £200: so that their total capital was £400. The first cast in the Saracen Foundry was in October 1850, but they were only a few months in business when further capital was absolutely necessary, and Dr Brown and my Father became security to the Commercial bank for a cash credit of £750, which security was only cancelled by the death of both these parties.'[6]

What has not been previously realised was the role that the Russell family played in the founding and early development of the firm. The Russell family papers contain a great deal of correspondence from Walter to his father-in-law seeking funds and support.

In the latter half of 1850, Russell agreed to lend the partners another £750 after they had failed to find a partner with additional capital to join them. Russell however was clearly a shrewd businessman and as part of the investment determined that his son Thomas Russell should enter the firm (aged 14), and that he should receive monthly and later quarterly balance sheets until the business became on a sounder footing; and full inspection rights to the books.[7]



Fig.230: Thomas Russell c.1860
(Russell Family Papers)

The papers note that Walter Macfarlane objected strongly to this arrangement but was left with little choice. Thomas Russell joined the firm as a junior partner on 1 January 1851, aged only 15.

'On 1st January 1851, I became a partner in the Saracen Foundry, then in Saracen lane, Gallowgate. It had been started 6 months before that. The contract was for ten years – share and share alike between the three partners, the only difference in my case being that I was to have no voice in the management, or power to sign for the firm until I came of age. The salaries of the partners were to be £200 per year, but mine was to start at £15 rising by £5 per week until I came to 21. This was however amended in practice, and by 1854 I was receiving the full salary of £200. Marshall still continued his separate business of Writing Master until about this date, when he also began to give his full time to the business. One provision of this contract (which remained the only contract entered into during my 30 years of business), was that no profit be paid out of the business, but go to increasing the capital in the business. This condition also continued at the extension for another 10 years of the contract until 1870. In the second extension, for another 10 years, one half profits were paid out, if

the partners wished it, until the capital amounted to £180,000 contributed equally, and after this point was reached, in full.'[8]

In 1851 the company took over an old disused brass foundry in Saracen Lane in the Gallowgate, adopting the street name for the foundry, behind the Saracen's Head inn. It was a tradition that the foundry had a distinct name from the company that owned it.

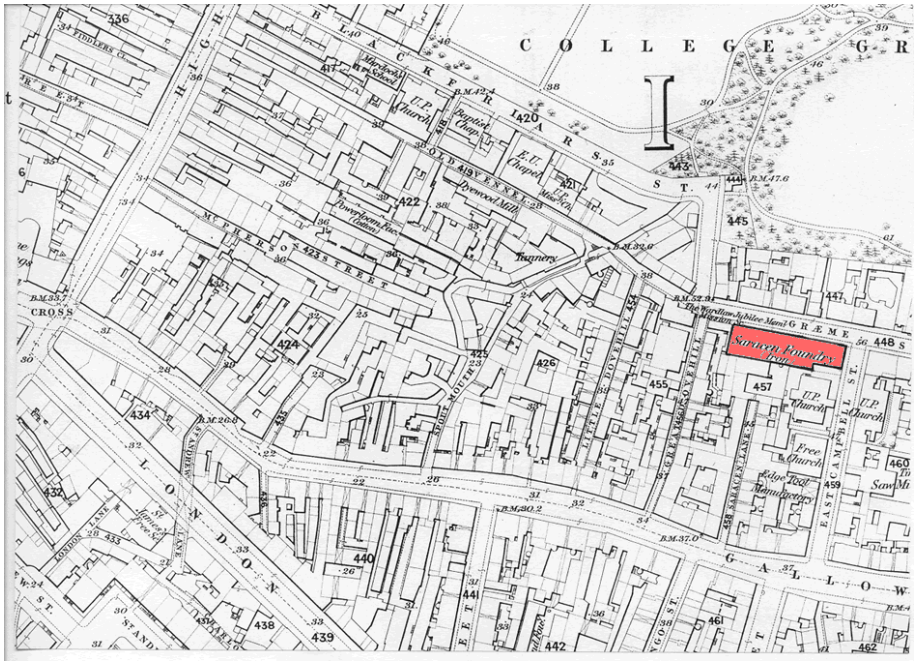


Fig.231: The First Saracen Foundry in the Gallowgate (Image courtesy of Mitchell Library)

The notebooks from the Counting House which survive from this initial period provide a valuable insight to the fledging company and the style and character of its owners. Interestingly, the first 10 years of the company were almost entirely devoted to the manufacture of sash weights for windows and sanitary and rainwater castings, particularly pipes and gutters.

Each of the notebooks kept in the 1850s has in the front page, a list of rules written by Thomas Russell and Walter Macfarlane. These rules, along with additional notes and instructions by Thomas Russell and Walter Macfarlane, note how hands–on their management was, and a significant attention to detail.

'Instructions for keeping Counting House Pass Book and general instructions to Foreman in conducting his department.

1st This Pass Book is for entering instructions on Memorandums relating to jobs or orders in hand and as its name implies is to pass between the party giving the instructions and the party who receives the same.

2nd Always see that each day's entries are dated.

3rd No verbal message to be given or taken, relating to engagements or things of moment – let it always be entered in Pass Book by the party giving the order.

4th The Foundry, Fitting and Warehouse departments have each books of the same kind.

5th Mark out daily all instructions or orders as they are completed.

6th Never give a verbal order to those under you, when you give them particular and stated duties let it always be written on a neat slip with the date on it thus: 20/11/54.

7th When you make an engagement or promise to have a particular work ready or sent by a particular time, endeavour by every means to keep your engagement.

8th No goods or material of any kind under any preference whatever to be allowed to go out without being properly entered whether on sight loan or otherwise.

9th Endeavour as far as possible to conduct your whole business operations on our uniform system, that is to say have a set time daily for attending to stated duties, as for instance -

10th Examining, overhauling and looking after the proper execution of orders,

11th Seeing that the Books are properly kept and statedly written up,

12th Seeing that accounts are rendered and collected at the proper time for the Business House for Counting House are from ??? and ??? (Initials).'[9]

The notebooks maintain a general air of deference to Walter Macfarlane as the key partner.

In his memoirs, Russell describes his progression as a boy for six months, a clerk and afterwards 'Jack of all trades'. This had more direct supervision of the sales department, and correspondence relating to prices, contracts, orders and the management of the warehouse, and the making and maintaining of stock.

His description of the early members of staff is interesting in that those starting at junior levels during this period, amongst them Robert Fulton and David Lindsay in clerking duties, stayed with the firm for the remainder of their working lives. Walter Macfarlane's tight grip on all matters relating to the firm was slackened to some degree with the passing of all financial matters to James Marshall in 1852, and in 1854 Marshall moved to the firm full-time covering financial matters.

David Lindsay moved to become Private Clerk at this point under Walter Macfarlane and was made responsible for designs, catalogues and printing.

In 1852 a conscious decision was made by the firm to move away from the middle-man model which most of the industry worked to. Here, a trader or wholesaler would agree contracts with clients and sell the work to jobbing foundries. He would dictate the price, lowering quality and product innovation. Russell notes that they conformed for two years, then broke free of this arrangement and tried to sell direct to contractors and tradesmen. Their trade suffered in the first year, but their clients reacted positively to higher quality castings and new product development.

From 1852 to 1855 (The Crimean War period) many of their competitors moved from traditional castings to making shot and shell for the war effort. Saracen chose not to follow this route and as a result picked up many clients who subsequently stayed with them. They extended their network of travelling salesmen selling directly to contractors, and moved entirely out of the wholesale trade. This is substantiated in part by the absence of Saracen castings which do not have the firm's name cast into them. Saracen made much of not making castings for others, and the fact that only their products bore their trademark.

Moving out of the wholesale market was risky but was key to the long term development of the firm. The use of travelling salesmen was not new but for a firm of this size and relative youth, it was a gamble. Having targeted the end users, the firm turned to the specifiers. If Saracen could have their goods specified in the drawings of architects and engineers, this gave them a key competitive advantage. Russell notes that the decision to target architects in particular was a conscious one, cultivating them directly and with a key tool of product catalogues.

Product catalogues made the designers' work easier. Dimensionally accurate drawings which could be dropped straight into designs, with the design and pattern costs already covered by the foundry, made good economic sense.

Following a slow six months in 1856, the Crimean War had highlighted the inadequacy of military infrastructure in barracks and fortifications and a significant programme of upgrading was put into effect, lasting some years. With new products coming on line and a strong relationship with both designers and contractors, Saracen was in the place to maximise this opportunity. Walter Macfarlane designed a new WC which was specified in many

military works, and the firm did much work at Curragh Camp in County Kildare and other military sites. Russell notes the re-habilitation of hospitals, workhouses and asylums followed on and again Saracen were in a position to supply goods and fittings.

Retrospectively Russell mentions the benefits of this building boom, from public health institutions to churches where he describes 'a fever of church building across the kingdom' and a general increase in wealth, prompting the construction of more elegant mansion houses and philanthropic works. He notes a desire for beauty emanating from the Great Exhibition in 1851, and a market opportunity.

The first decade was one of opportunism and growth perhaps, but Saracen made a conscious effort to move away from traditional work practices and aimed for something higher than being one of the hundreds of jobbing foundries across Scotland. The demand exceeded the firm's ability to invest in new production facilities;

'The demand came even more rapidly than the growth of our capital, and the continuous extension of our premises kept us in a continual state of uneasiness and worry as to ways and means. It was only in the last ten years that anything like an easy financial condition was attained.'[10]

Sanitary work was clearly important in the first decade of the firm becoming established. In 1857 Walter Macfarlane read a paper to the Philosophical Society of Glasgow entitled *"Sanitary Arrangements for converting the excrementary refuse, dry garbage, ashes etc. of towns into their most valuable purpose."*

He imputed much of the excessive mortality in our large towns to;

'the effluvia evolved from accumulations of excrementary matter in middensteads and privies.'

His answer was to promote a new system of drainage, of course utilising 'cast iron intercepting ordure tanks.'

The first note of ornamental architectural work of any description came in August 1855 when a note is made in the notebook recording that;

'Send to Mr Salmonds on Wednesday and get the improved drawings for balcony and take them up to Mr Steel and get him to model the ornament.'

This suggests that the foundry had not yet a patternmaker able to make ornamental patterns, although the development of new designs for sanitary work would require engineering pattern making skills. The burgeoning engineering industry in Glasgow at this time would mean that engineering pattern making skills would be available. More specialist modelling, carving and sculptural pattern making skills would be more difficult to come by.

The inter-relationship between the Scottish firms as we have seen around Carron was common, and the latter half of the 19th century was no different. In the 1860s Thomas Russell recalled;

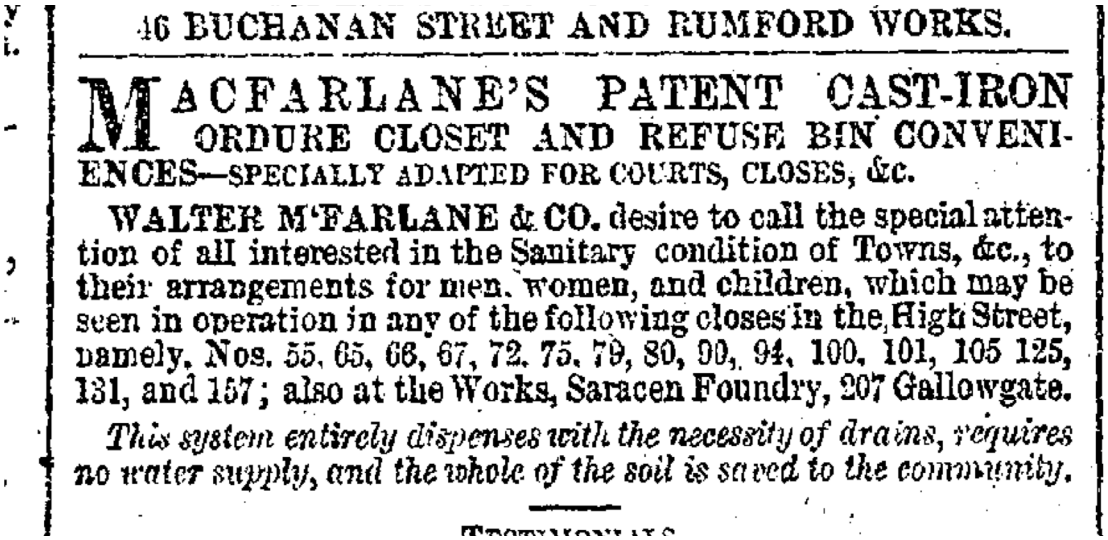
'My greatest enjoyment during these years in lodgings arose from a strong course of reading of great variety, although all of standard literature. My first book was Shakespeare, lent me by George Smith, Foreman Pattern Maker at the Foundry. I well recollect the intense enjoyment I had. It was a new world to me and I remember not going to bed for two nights until I had completed the reading. My next was Milton, also leant to me by a Moulder in Saracen (Simpson, a Baptist and a good Christian man).'[11]

This was of course George Smith who later founded the Sun Foundry of George Smith and Co who became fervent competitors of Saracen. Smith was the first prodigy to depart and use the skills learned at Saracen in developing his own firm, but not the last.

Saracen continued to innovate in sanitary work. In 1857 Walter Macfarlane Snr patented improvements in moulding and manufacturing cast iron pipes, and in 1859 improvements in machinery or apparatus for drawing off or discharging liquids in fountains and baths.[12]

It fiercely guarded its 'trade secrets' however – a foundry industry trait that continues into the 20th century, and George Smith found himself in Court for patent infringement in 1860 for using the knowledge gained in moulding pipes whilst an employee at Saracen.[13]

An 1860 advert called on visitors to see for themselves, advances in ordure closet and refuse bin collections;



46 BUCHANAN STREET AND RUMFORD WORKS.

MACFARLANE'S PATENT CAST-IRON ORDURE CLOSET AND REFUSE BIN CONVENIENCES—SPECIALLY ADAPTED FOR COURTS, CLOSES, &c.

WALTER M'FARLANE & CO. desire to call the special attention of all interested in the Sanitary condition of Towns, &c., to their arrangements for men, women, and children, which may be seen in operation in any of the following closes in the High Street, namely, Nos. 55, 65, 66, 67, 72, 75, 79, 80, 90, 94, 100, 101, 105 125, 131, and 157; also at the Works, Saracen Foundry, 207 Gallowgate.

This system entirely dispenses with the necessity of drains, requires no water supply, and the whole of the soil is saved to the community.

Fig.232: Advert - The Caledonian Mercury 1860

The company flourished in Saracen Lane, renting adjacent properties as their finance allowed, but it was not a long-term solution – it was expensive and the inefficiencies of using buildings on an ad–hoc basis would affect production.

4.3 Saracen Foundry, Washington Street

Thomas notes:

'It was determined to remove the business to another site altogether, and a site having been found and purchased in Washington Street, double the size of the present work, a new building in the Venetian Gothic style was erected in front, three storeys high, for warehouse; and fitting shop with sheds for moulding shops were erected and occupied in 1862.'

The firm announced their relocation in the *Glasgow Herald*;



Removals.

WALTER MACFARLANE & CO.,
ARCHITECTURAL IRONFOUNDERS,
SANITARY ENGINEERS, AND ART WORKERS.

GLASGOW, 1st January, 1863.

We take the liberty of intimating our REMOVAL to New and much more Extensive Premises, 46 WASHINGTON STREET, where we shall endeavour to merit a continuance of that patronage with which we have been so long favoured.

We carry with us to our New Premises our old and well-known designation of "SARACEN FOUNDRY;" and every Casting made by us bears our Trade Mark legibly impressed thereon.

WALTER MACFARLANE & CO.

SARACEN FOUNDRY, GLASGOW,
AND 38 BEDFORD STREET, STRAND, LONDON, W.C.

Fig.233: Relocation, *Glasgow Herald*, 19 January 1863

The company commissioned the Glasgow architect, James Boucher (1826–1906), to design the building. Boucher and Cousland had commenced their partnership in 1854 so Saracen were an early client in some respects. The main warehouse building occupied most of the site, resplendent with crestings and railings from the foundry fronting onto Washington Street, Anderston. The single storey buildings to the right are the moulding sheds. A single chimney stands for the cupola furnace to the rear of the main building. The frontage measured 104 feet. The large cornice to the front carried a heavy cast iron gutter supported by ornate brackets and with gargoyles at gutter joints. *The Builder* noted:

'As art workers in iron, they seem to have lavished the resources of their skill and experience in making their foundry an evidence of what they can do.'[14]

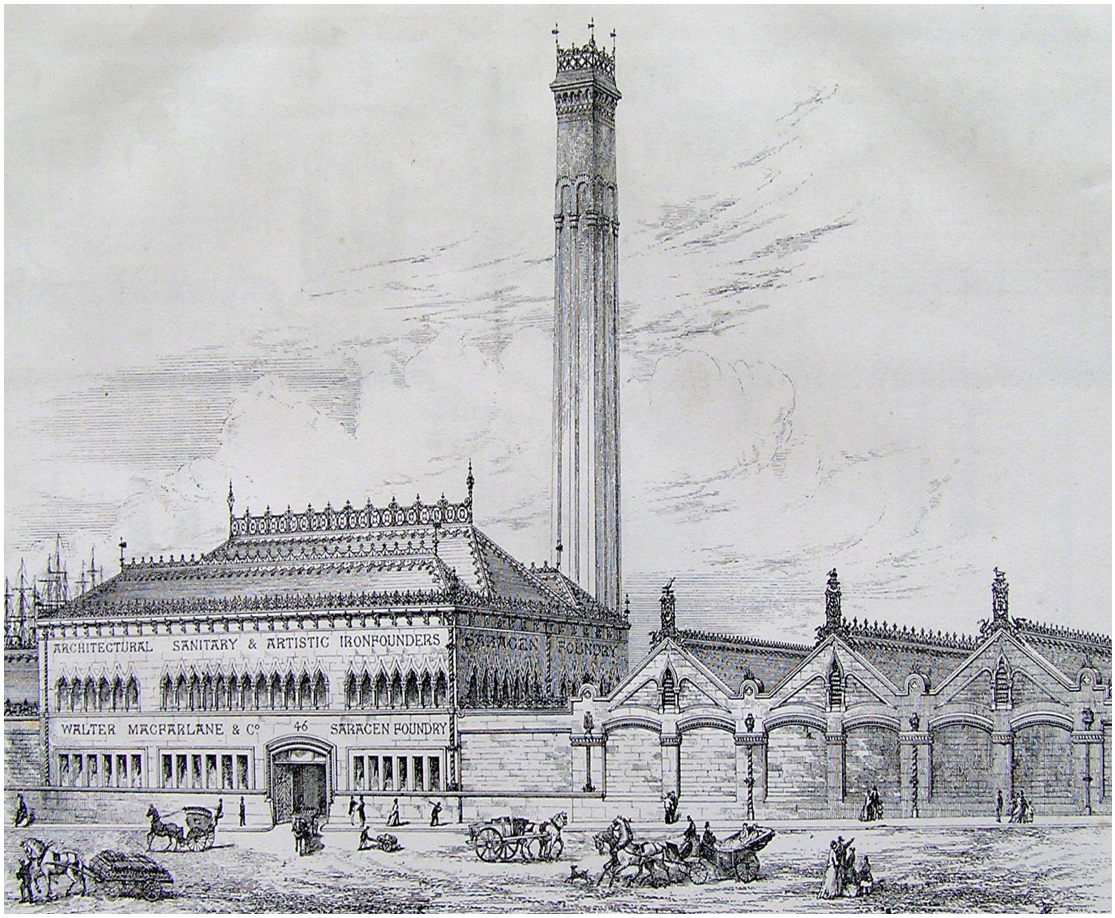


Fig.234: Saracen Foundry - From Macfarlane's Examples Book, 1876 in Perth Library, Australia

The Washington Street Saracen Foundry had the name prominently displayed, with the title 'Architectural Sanitary & Artistic Iron founders' emblazoned across the front of the building. A single chimney towered above the works, and the building made good use of the crestings and terminals manufactured by the company.

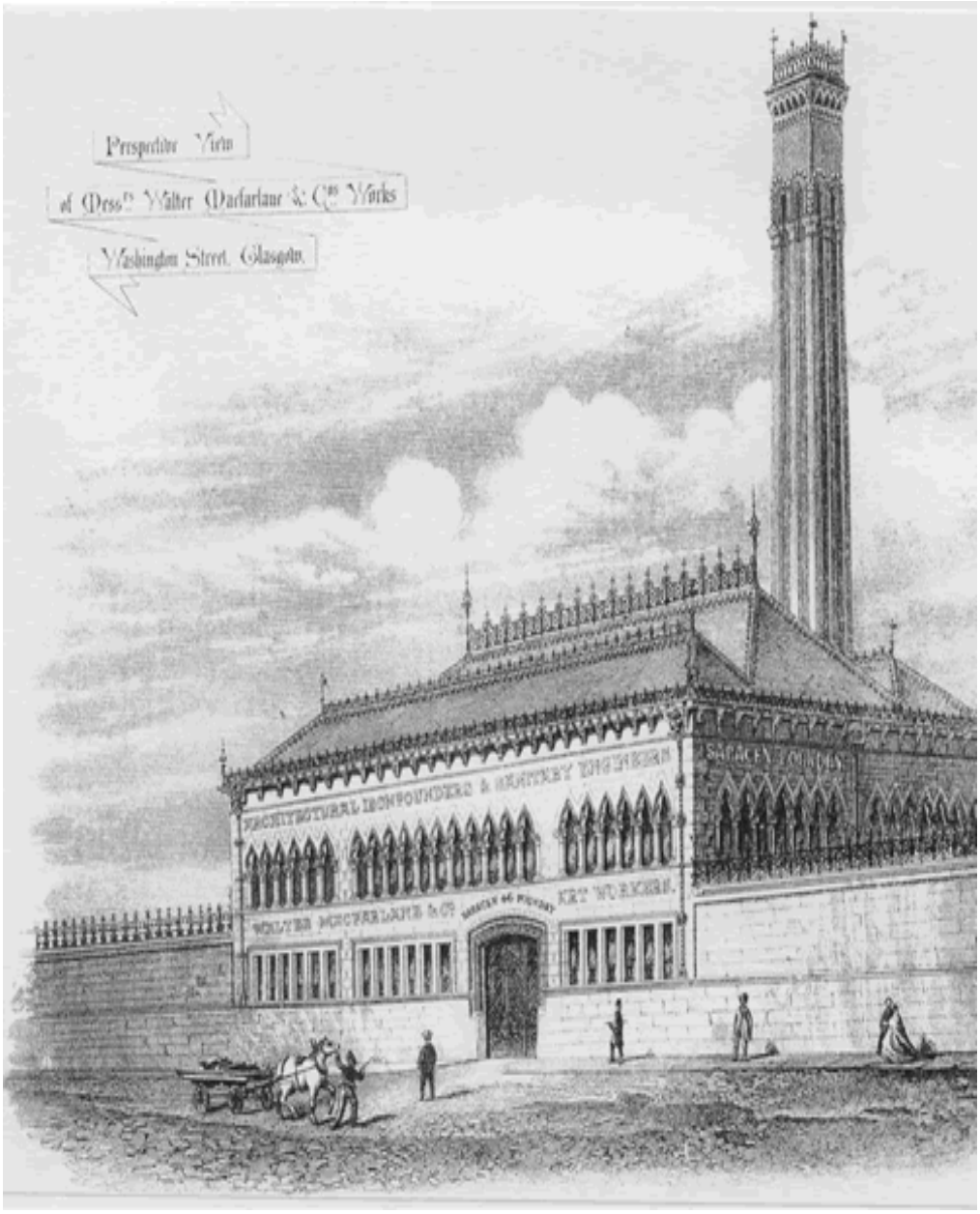


Fig.235: Saracen Foundry, Washington Street (From D Mitchell collection)



Fig.236: London Warehouse, Below Cannon Street Station
From Macfarlane's Examples Book, 1876
in Perth library, Australia

The Builder describes the new Washington Street premises with a degree of awe and excitement. It describes the works as much more than utilitarian, giving the example of the main chimney;

'It rises to a height of 135 feet, is about 12 feet 6 inches at the base, the lower portion forming a pedestal, from which pilasters of white brick, three on each facing, having red brick panels between. The pilasters, which lend an appearance of graceful lightness to the shaft and are there connected by arches, spring from enriched capitals. An ornamental cast iron cresting with angle finials and gilt bannerettes surrounds the whole; looking like a crown, on what, thought but a chimney, is yet a work of art.'[15]

The expansion of the firm continued from 1862, and three additional land purchases were made at Washington Street. By 1870 the site covered around 3.25 acres, but the cost of land had risen so much that another move was required.

In the 1860s the firm established its own warehouse in London, naming it Saracen Wharf. On Upper Thames Street adjacent to Tower Bridge, a number of iron founders had bases here, including Carron.

In 1868 the Washington Street Foundry was used as security over a loan of £25,000 from the Scottish Provident Institution. Also at this time, £10,000 was borrowed from the Commercial Bank of Scotland. The timing of these loans is such that it seems probable that they were capital for the purchase of the lands at Possilpark and the final Saracen Foundry.[16]

The move to Washington Street saw an increased focus in architectural and decorative work. The use of architectural and artistic in marketing became more prominent, and the firm had realised the economic benefits of selling such castings direct.

In 1865 the engineer, John Kibble, had Boucher and Cousland design and execute a large iron conservatory at his home in Coulport for which Saracen supplied the structural and ornamental castings. When the structure was re-located to Glasgow in 1871, James Allan's Elmbank Foundry supplied the large supporting columns to match the smaller dome Saracen examples in the main dome. Opened in 1873 as the Kibble Crystal Art Palace and Royal Conservatory, the structure also featured ornamental floor gratings from the Sun Foundry of George Smith.[17] The conservatory itself was erected by the hothouse builders, Boyd of Paisley.

The first decade saw some small evidence of ornamental work, but the firm largely built its reputation on sanitary work. Towards the end of the 1850s and into the 1860s ornamental work started to become more important. The internationally important cast iron 'Gardners warehouse' on Jamaica Street in 1856, by architect John Baird and executed by ironworker RJ McConnell, used Saracen fascia castings at the high level and were marked as such.[18]

The expansion of suburban Glasgow into the West End saw opportunity for many of the Glasgow iron founders, and Saracen supplied railings and other decorative work to architects and builders including Westbourne Gardens in the 1870s.

A lasting showcase to both the work of the firm and the developing wealth of the partners was the commissioning of Boucher in 1872 to build Walter Macfarlane Snr his home at 22 Park Circus, Glasgow. Adorned with castings, particularly the cast iron conservatory to the rear of the building and a glazed iron dome, it was re-modelled by Walter Macfarlane Jnr using James Salmon in 1899.[19]



**Fig.237: Conservatory to Rear of 22 Park Circus,
(Photograph by D Mitchell 2008)**

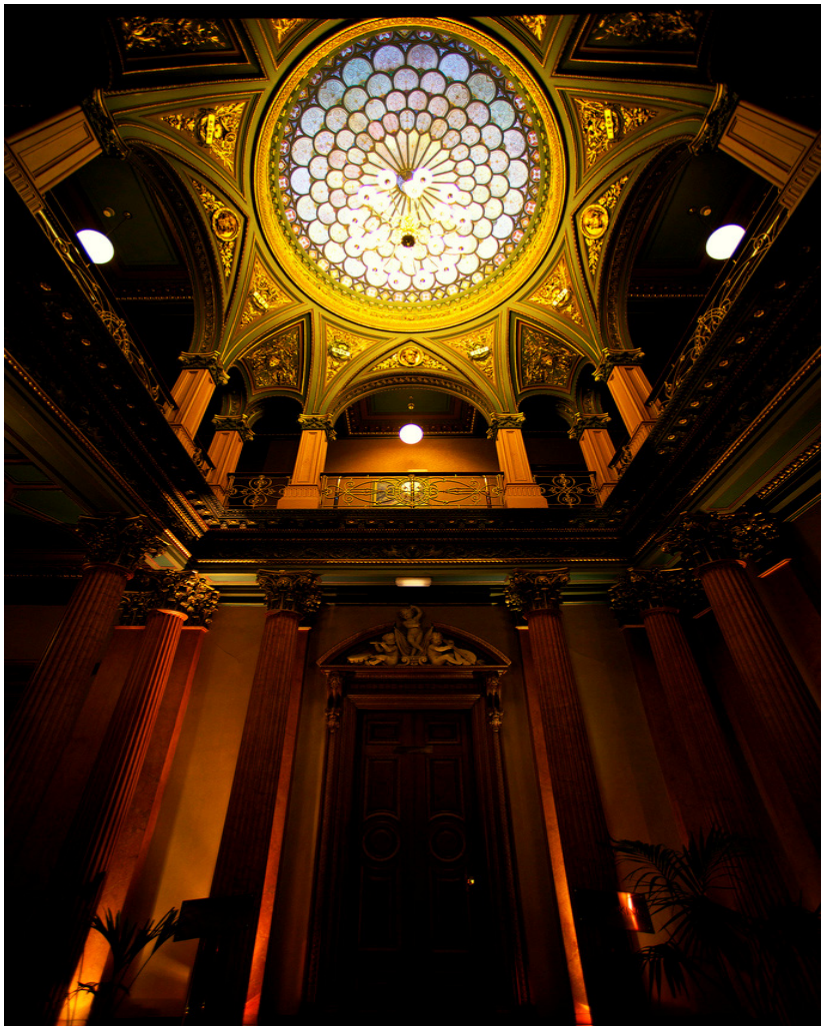
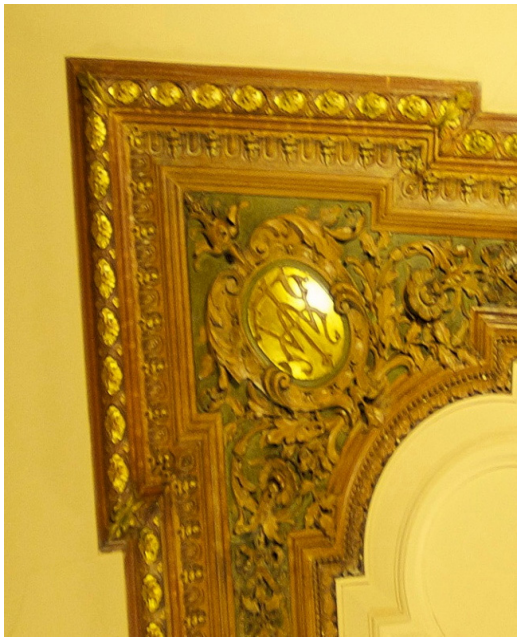
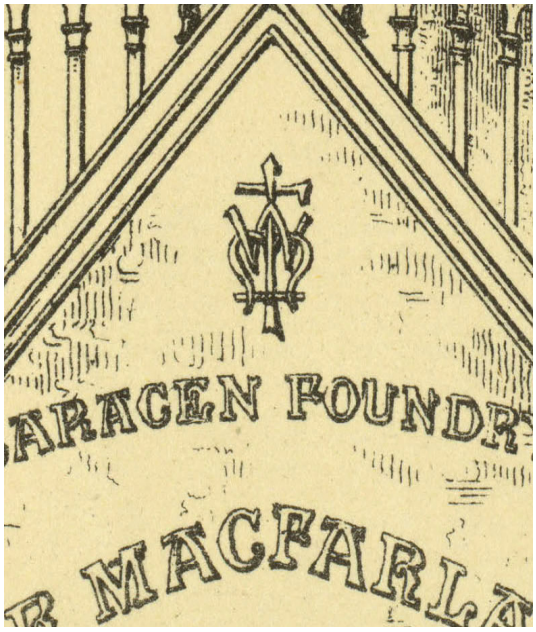


Fig.238: Interior View of 22 Park Circus
(Photograph by D Mitchell 2011)

Park Circus is a remarkable building, and despite adaptation to other uses following the Macfarlane's occupancy, it retains unique references to its occupants. The Saracen ironwork is prolific of course, as well as the re-modelling by Salmon, a carved fire mantel with the initials WM and MC for Walter Macfarlane Jnr and his wife Marion Cross. Earlier plasterwork incorporated the adopted monogram of Walter Macfarlane which was also used in the masonry of the Possilpark Foundry.





Figs.239&240: Monogram Used in Both 22 Park Circus and Possilpark Foundry
(From D Mitchell collection)

4.4 Saracen Foundry, Possilpark

The lack of affordable space at Washington Street prompted the partners to look further out of the city for a new site. The green field site of Possil Estate was chosen, with much more land than the foundry and works required.

The partners acquired a number of plots of land at Keppoch and Possil Estate from the Historian Sheriff Allison, including his mansion house, demolished to build the foundry and workers housing.



Fig.241: Possil Mansion c.1872
(Image courtesy of Glasgow Museums)

Glasgow Streets and Places notes that in 1868:

'November 16/20 November: By feu, John Campbell Esq. disposes four plots of the farm of Keppoch to Walter Macfarlane, James Marshall and Thomas Russell partners of Walter Macfarlane and Co. Parts of the land acquired were christened Possilpark and used for a site for the new foundry which had previously stood in Washington Street.'

The site was described in 'The Old Houses of Glasgow Gentry';

'It (Possil house) was then far away from the noise and smoke of the city, and stood among fine old trees. With its beautiful gardens, its grassy slopes, and its clear lake, Possil formed as delightful and retired a country residence as any in the county. One hundred acres of the estate, including the mansion house and pleasure grounds, have been feued to Walter M'Farlane & Co., iron founders, of Glasgow. They have removed the house, felled the trees, erected on part of it a spacious foundry for themselves, and laid out the rest as streets and dwelling houses. Their work is one of the finest and best conducted in Glasgow, and the new suburb of Possil Park, laid out by them with skill and intelligence, is rapidly becoming an important addition to the great city.'[20]



Fig.242: Undated Plan c.1870s
(The Scottish Ironwork Foundation)

This undated plan shows the basic layout of the site prior to larger development. The adjacent streets have been purposefully laid out with Saracen Street becoming a primary route up the hill to the main entrance on Hawthorn Street.

Whilst the land secured amounted to 100 acres, the foundry itself was to cover 8 acres, some 3 times the size of the Washington Street site.

Boucher was again commissioned to design the building and by this time Saracen knew the potential of marketing using his foundry as a showcase. The foundry was no industrial hovel, but was faced in ashlar on three sides with a grand frontage liberally adorned with cast iron crestings, terminals, finials and lettering. The cost of the building was estimated at between £40–50,000.[21]

By 1871 a large extension was required to the site and followed by another two in due course.[22]

Whilst external façades survived until the late 1960s (around 20ft of an external wall now remains), the illustrations of the Possil Foundry contained within the catalogues provide valuable information.

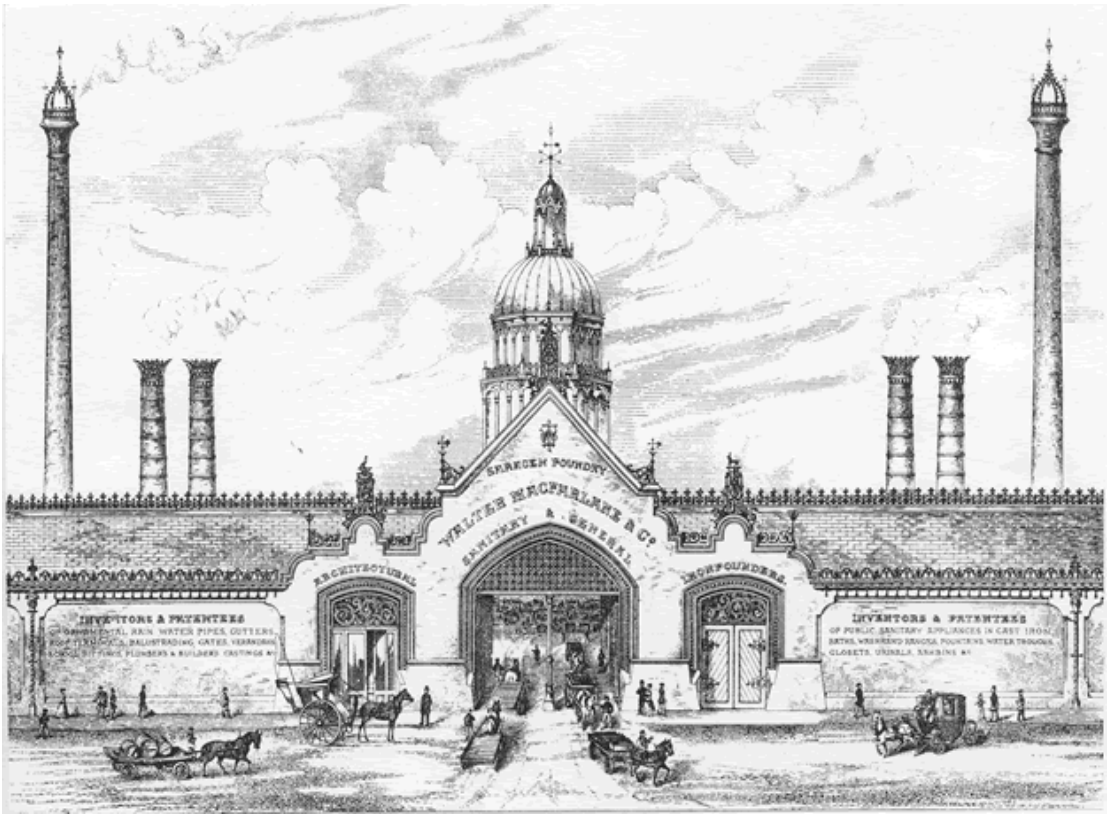


Fig.243: Front Elevation of Saracen Foundry, Possilpark, From 6th Edition Catalogue

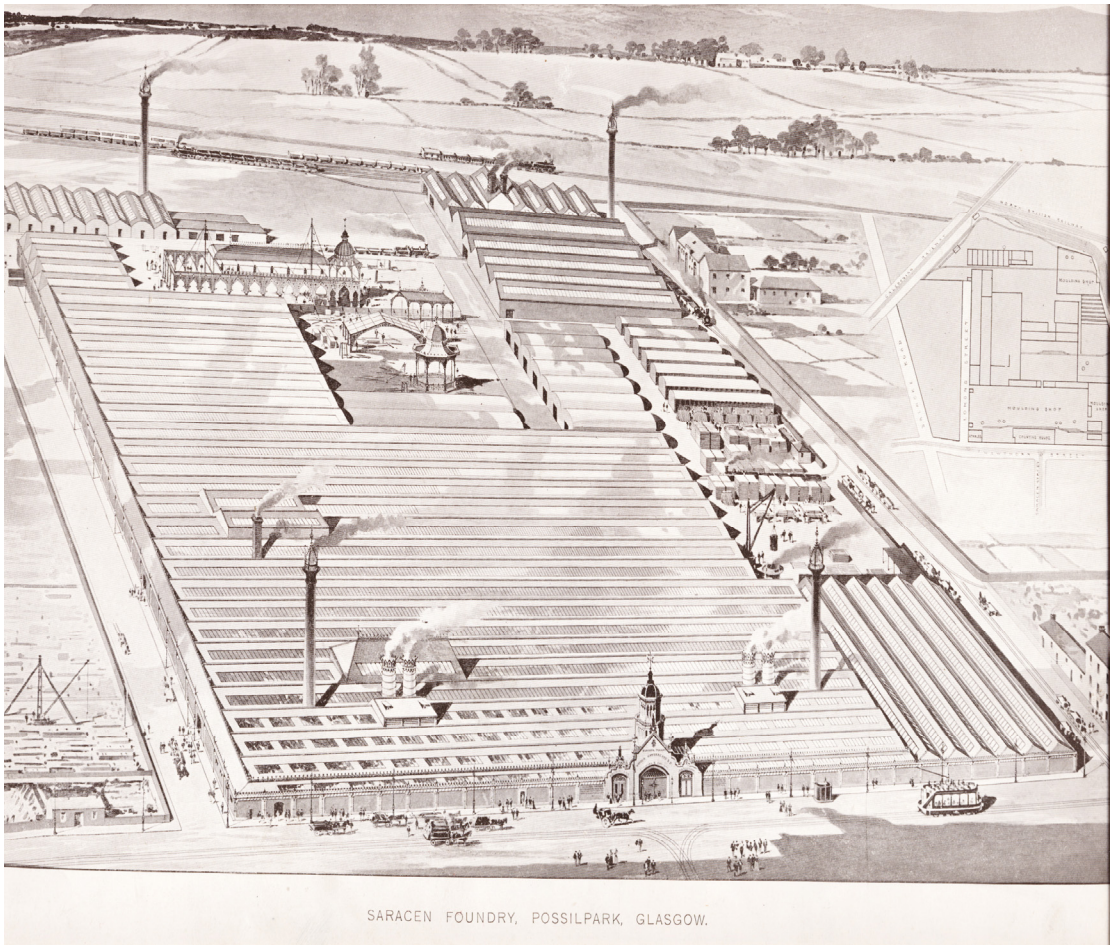


Fig.244: Aerial Perspective
From 6th Edition Catalogue
(From D Mitchell collection)

The partners took their previous 20 years of experience and poured it into this site. Scale was not a problem so separation of activity can be seen, with individual cupola furnaces spread around. Key is the railway line to the rear of the site with lines running directly into the factory. The primary space is given over to moulding shops with their characteristic sawtooth roofs. A pre-fabrication yard is seen to the rear of the factory where structures can be trial-erected prior to dispatch. A loading and packing yard can also be seen.

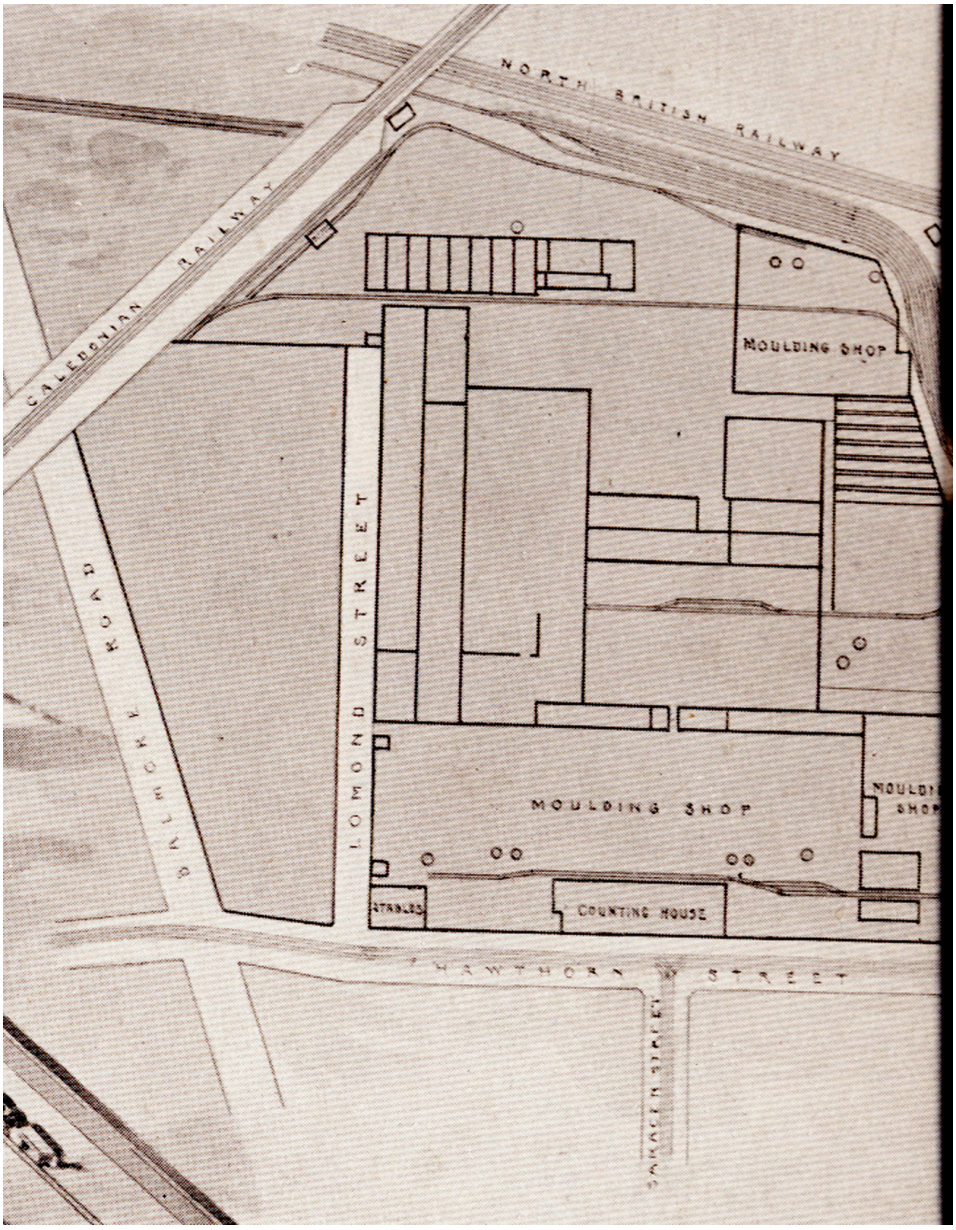


Fig.245: Detail from Plan in 6th Edition Catalogue (From D Mitchell collection)

The most impressive part of the factory is the showroom. Adjacent to the counting house, the showroom was a showcase for Saracen products.



Fig.246: Showroom View
From 6th Edition Catalogue
(From D Mitchell collection)

The iron and glass dome sits on top of the showroom located by the front door and lit from domed roof lights above. Within, an array of fountains, gates and lamp pillars are erected for clients to view.

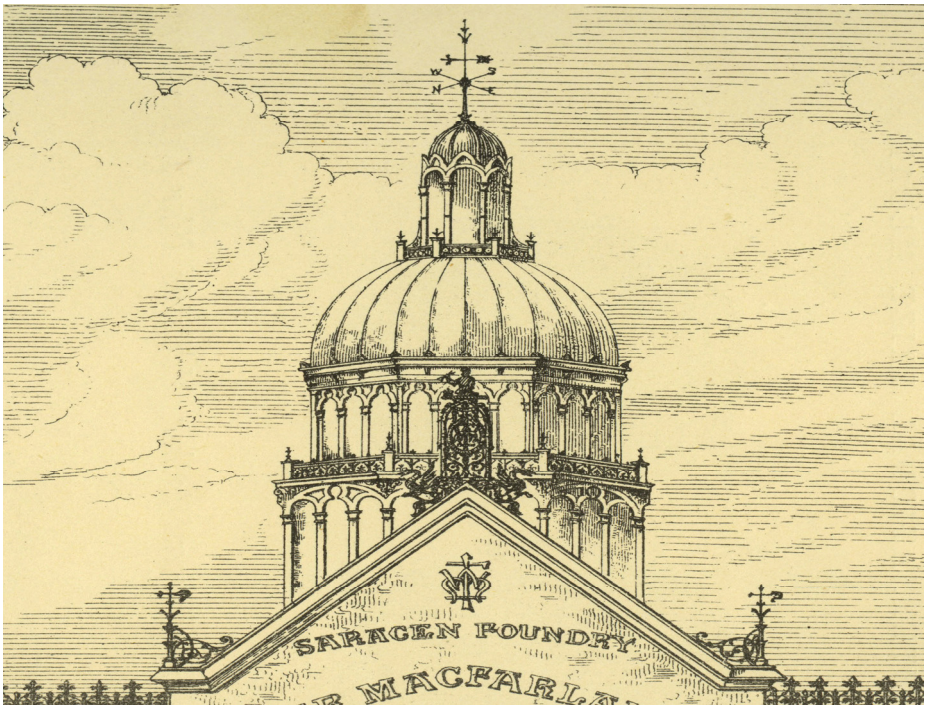


Fig.247: Dome Over the Top of the Showroom
From 6th Edition Catalogue
(From D Mitchell collection)

Sir William Stirling Maxwell visited the site in 1875, an extract from his diary of 11 November stated:

'I was struck with the immense growth of Glasgow on its North side…we stopped at Walter Macfarlane's Saracen Foundry newly built on the Possil Estate of which he fued 100 acres - a speculation likely to make a great return. The establishment employs from 70-80 Clerks, and almost 1400 workmen, and the workshops extend over 8 acres, all under cover. It is a very interesting and picturesque site.'

The best account of the internal spaces of the foundry are given in Stratten and Stratten in 1891;

'It will be necessary for those of our readers who have not seen the exterior or interior ensemble of the great Saracen Foundry of Messrs. Walter Macfarlane & Co to dissociate from their minds all the usual ideas that a great iron founding establishment usually suggests. The mass of grimy and dilapidated–looking buildings, the house of smoke and stifling fumes, in whose lurid gloom demoniac–looking Cyclops move to and fro, may meet the ordinary idea of a foundry, but finds no illustration in this great representative concern. It would be difficult indeed to imagine

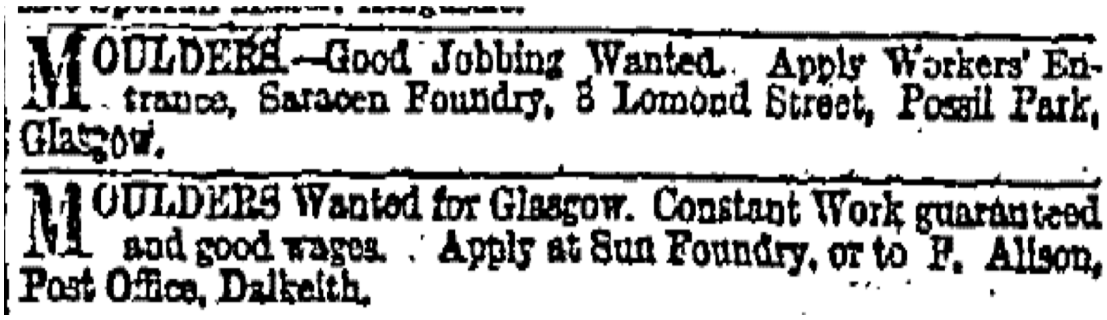
from a merely external survey to what branch of enterprise the ornate and attractive buildings of the Saracen Foundry appertained. Covering a square of some fourteen acres in area, regularly and handsomely designed, and presenting a clean cut and unsoiled aspect, it required an effort of the imagination to conceive that this is the great centre of one of the most important branches of the Glasgow iron working industry and the source of supply of useful and artistic foundings for all parts of the civilised and, we might add, uncivilised world. Yet such is the case; nor, on second thoughts is it to be wondered at that the firm, in whose productions the artistic element is supreme, should embody the same element in the architecture of the foundry itself…

…The interior of the Saracen Foundry does not belie the promise of the exterior. Entering by an imposing and spacious entrance the visitor finds himself in a range of handsome offices, about 260 feet in length, and fitted up in the most exquisite modern style. Adjoining are the palatial showrooms, the whole covering about three quarters of an acre. Passing through these, department after department of the spacious foundries and workshops may be visited till the mind becomes bewildered at the multiplicity of operations being carried on beneath the ten acres of roof that covers the executive portion of the Saracen Foundry.'[23]

The company relocated from Washington Street in 1872. The Trustees of Walter Macfarlane noted in March of 1890 that large extensions have been made to the factory, and the tenements owned by the same were in need of repair. The preface to the 6th Edition of the catalogue notes that;

'The appreciation shown by our customers in the past has led, not only to a large extension of our works, which now cover ten acres, with railway connections through warehouse and foundry, but also to the formation around them of a new and populous suburb to the City of Glasgow, viz; - Possilpark. We cordially invite our friends, who have so warmly encouraged and assisted us, and to our Customers and the Public generally for their liberal support.'
The rate of growth in the population of Possilpark was significant. From a population of 10 in 1872, this had grown to 10,000 by 1891.[24]

There was competition for skilled labour as the architectural market grew, and both Saracen and Sun Foundry found themselves advertising in Edinburgh in an attempt to lure skilled moulders to work in Glasgow.



MOULDERS.—Good Jobbing Wanted. Apply Workers' Entrance, Saracen Foundry, 8 Lomond Street, Possil Park, Glasgow.

MOULDERS Wanted for Glasgow. Constant Work guaranteed and good wages. Apply at Sun Foundry, or to F. Allson, Post Office, Dalkeith.

Fig.248: Advert for Moulders, *The Scotsman*, 6 March 1882 (From D Mitchell collection)

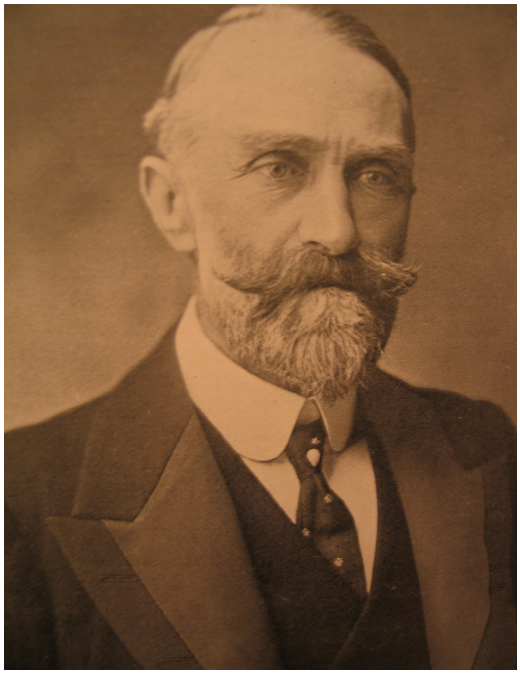


Fig.249: Walter Macfarlane Jnr From 'Glasgow Contemporaries at the Dawn of the 20th Century'

1872 was an eventful year for the company, relocating to Possilpark and also welcoming Walter Macfarlane Jnr to the company. It is generally accepted that having no children of his own, Walter Macfarlane 'adopted' his nephew and namesake as his own son. Walter Jnr was born in 1853, his father Robert recorded as a Gunner in the Royal Artillery. Educated at Glasgow Academy and then Glasgow University, Walter Macfarlane Jnr (1853-1932)

was destined to perpetuate his uncle's business and expand it to its peak.

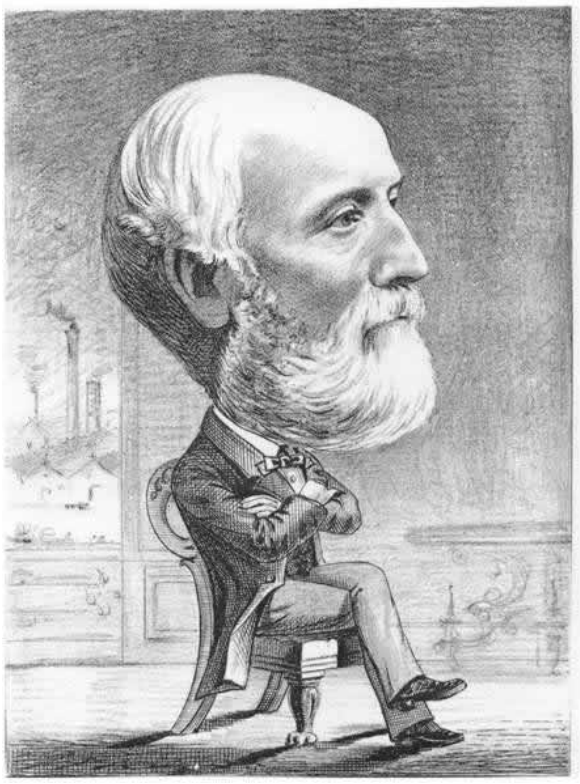


Fig.250: Walter MacFarlane Snr as the 'Laird of Fossiltoun' From *The Bailie*

The pollution associated with such a massive scale of iron founding does not go unnoticed however, Walter Macfarlane being nicknamed 'The Laird of Fossiltoun'. He appears in the *'People You Know'* satirical series with the smoke of the foundry visible through the window behind. The perception of Walter Macfarlane is an interesting one.

Considered self-important by his peers, Walter Macfarlane perhaps did irregularly show somewhat of a paternal approach to his own staff. In a note from Walter Macfarlane to Maggie Marshall, the wife of his Partner, he records the last excursion by steamer for the Saracen Foundry employees in 1864:

'We start from the Broomielaw at 8am in the Eagle Steamer with a first classe volunteer brass band on board, also a quadrille band

fore and aft, and the piano in the cabin, so Misses Agnes, Catherine and Jessie had better go through their exercises somewhat. There will be upward of 600, we have a large number of nice flags, emblems and devices and among which will be the Glasgow Arms in full bloom, a Furnace blazing away, a Moulder ramming up his box; a pattern maker planing at his bench – a Fountain with water running – a smith at his forge with anvil hammering away (by the way Agnes had better be putting the 'harmonious blacksmith' through its paces), all in fact so constructed as to be working away whilst we are being carried.'[25]

From 1858 the firm held an annual 'amicable assembly' for its staff. In 1874 this was held in the City Hall, chaired by Walter Macfarlane with Russell, Marshall and Robert Fulton supporting, and in celebration of the Possil works being opened. Macfarlane lectured his staff in the importance of thrift and self denial in ensuring happiness and ended with some 'apposite advice to the female friends and young people who were present.'[26]

4.5 The Next Generation

By 1880 Walter Macfarlane Jnr had become a partner in the company. The previous year an advertisement was placed in the London/Edinburgh Gazette to the effect noting that Walter Macfarlane Snr, James Marshall and Thomas Russell were to retire as of 31.12.1879. The debts etc. of the company would be transferred to Walter Macfarlane Jnr and Robert Fulton, both of whom were 'long connected with the business.' Robert Fulton had started as a clerk in the original Saracen Foundry in the Gallowgate.



Fig.251: Walter Macfarlane Jnr in the yard at Possilpark (Image from the private collection of Gordon Urquhart)

This lamp standard was unusual but an example was sold to Southwark and Edinburgh. The photograph also shows moulding boxes in the background.

In 1881 Walter Macfarlane Jnr married the daughter of William Cross, Seedsman, subsequently having one son, whom of course was named Walter Macfarlane (born 9 June 1883) and five daughters. This son was also to be involved with the company in its final stages.

Thomas Russell had married on 15 February 1866 at Westminster Chapel, Glasgow, to Marie Bonwick Roberts, daughter of Edward Roberts, a Civil Engineer who was responsible for building the drainage system on the Rock of Gibraltar.

Thomas built Cleveden in Kelvinside as his family home. In 1871 he was made a freeman of the City of Glasgow at the very young age of 35. In 1876 he purchased the Ascog Estate on Bute, constructing a new home near Ascog lodge. His connection with Bute is one which is still evident. A double column bandstand (made by Saracen of course) was gifted to the town in 1873, and he was a founding director of the Rothesay Aquarium.[27]

He was made Deputy Lieutenant for the County of Bute in 1876, and laid the foundation stone of the "North Bute Free Church" in 1878. The year after he retired from the firm, he was elected the MP for Buteshire, where he took the seat from the sitting Conservative MP Sir Charles Dalrymple.

His obituary records that:

'...Though engaged in Business in Glasgow, Mr Russell had, as has been said, maintained a close connection with Bute...and he was well and favourably known in the constituency. A keen contest ensued and the Liberal candidate was returned by a majority of 17 votes. Mr Russell, however, did not long enjoy the fruits of his victory, for, unknown to him, the firm with which he was connected were concerned with government contracts, and the seat was declared vacant.

In the election which followed, the Conservatives were better organised and Sir Charles was returned by a majority of 45 votes.'[28]

The 'Russell Family Papers' advise that:

'On Bute, he was Chairman of the Road Trustees for Bute County Council and for many years the Council's Convenor, its last before reorganisation in 1886. In Glasgow, he was elected to the Glasgow School Board in 1882 and again between 1888 and 1891. He was one of the original directors of the Glasgow and West of Scotland Technical College and was Chairman from 1891 to 1894. He was a founding governor of the Agricultural College, eventually becoming Chairman just before his death. He was Chairman of the Muirhead Trust celebrated for funding two chairs of medicine at the University. And he was a Justice of the Peace for Lanarkshire. There seem from his many letters to have been other appointments and commitments, both paid and unpaid, and he must have been a very busy man.

Perhaps because of his commitments in Glasgow, or possibly because of health worries, he sold Ascog during 1896, and was treated to a splendid farewell by the County Council reported, portentously, by the Buteman on the 19th December. He returned to Glasgow, and Cleveden. Whatever the reasons for the move back, and although he was still developing four tenements, comprising 43 dwellings, in Russell St and High St, Rothesay as late as November 1900, there seem to have been financial worries, and the early 1900s saw him in distinctly straightened circumstances. He was forced into many economies, such as renting out Cleveden while he and Marie stayed in Dunblane.'[29]

Thomas Russell died at Cleveden on 14 August 1911. His obituary appeared in the *Glasgow Herald* the following day.

'Walter Macfarlane Snr died of 'disease of the heart' possibly caused by 'gangrene of the right foot' in 1885, aged 68. Walter Jnr is noted as the informant on the death certificate, living at 12 Lyndoch Crescent, just around the corner of his uncle's house at 22 Park Circus.'[30]

Walter Macfarlane Snr was buried in the Necropolis, Glasgow, his monument bearing a bronze portrait by the sculptor Bertram MacKennal.



Fig.252: Burial Monument for Three Generations of Walter Macfarlane, Glasgow Necropolis (Photograph by D Mitchell 2008)

James Marshall had died in 1883, buried close to his foundry partner in the Glasgow Necropolis.

On his death, Walter Macfarlane Snr in his will requested a Trust be established, comprising:

Andrew McOnie (The prominent Glasgow Engineer)
Walter G Blackie (The famous Glasgow printer and publisher)
James Reid (of Neilson and Co, Glasgow, major locomotive builders)

Walter Wingate Gray (Landowner in Haddington)
Walter Macfarlane Jnr

He left funds and a right to stay in Park Circus to his wife, and his effects to his nephew 'and adopted son'. The subsequent relationship between Walter Jnr and his aunt seemed to be tense at times, and she eventually moved out of the family home. Walter Macfarlane Jnr moved into 22 Park Circus in 1898 at a rate of £100 per annum, which was then reduced to zero, two years later.[31]

It is not known from the irregular Trustees meetings thereafter what happened to Margaret Macfarlane, except that she died on 3 May 1916.

Walter Jnr embarked on a major re-fit of Park Circus, creating one of the best domestic interiors in Glasgow. He was left very much to develop the business following the death of his uncle, although he had the experience of Thomas Russell and Robert Fulton in support.

Walter Macfarlane Jnr's son (known as Col. Walter Macfarlane) came into the family firm but his contributions were interrupted by war. He was educated at Glasgow Academy like his father, and at Loretto. During the First World War he served with the Glasgow Yeomanry and the 2nd Battalion of the Gordon Highlanders and was awarded the DSO in 1918. In the Second World War he was a Lieutenant – Colonel of the City of Glasgow Home Guard. His published obituary in the *Glasgow Herald* on 19 March 1965 noted that;

'his prominence in the industrial and public life of Glasgow continued an old family association with the City.'

Like his father and great uncle he became Deacon of the Incorporation of Hammermen. He was appointed Collector of the Trades House of Glasgow in 1942, becoming the Deacon Convenor in 1945. It is noted in his obituary that he was Chairman of the firm and a Director of the 'holding company' Federated Foundries Ltd (an association of iron founders). He was also a Trustee and a member of the finance committee of the Savings Bank of Glasgow. He was a Deputy Lieutenant for the City in 1949, and Justice of the Peace and Chair of the Western Club.[32]

A unique document survives in the archives of Ironbridge in the form of typed notes on the company history. Its origins are unknown. References to the earliest history seem to be fairly anecdotal, but a number of fascinating insights are given.

It notes that the foundry was taken over in 1914 by the Ministry for Munitions for the manufacture of shell cases etc, noting that the pattern store covered a vast area, with patterns in iron for the full range of architectural details shown in the catalogues. It notes a significant outlet between the wars in South Africa, with the firm operating a warehouse in Cape Town for a period.

The highly ornamental ironwork of the earlier period was not so much in demand after 1918, and the firm moved to rainwater goods and enamelled baths for the domestic market, and to building façades which became a significant manufacture for the company. The Second War practically ended the production of ornamental work, with a portion of the foundry contributing to the war effort and some limited engineering work. A shortage of skilled moulders who moved into the non-ferrous and steel founding industries during the war was a particular problem. Following the end of the war, the housing programme created a new demand for pipes, a mechanised pipe plant installed to give an output of 10–18,000 pipes per week. This plant operated until the

foundry closed. It records that post war, only limited ornamental work was called for, mostly to damaged buildings, notably to the Victoria Tower at the Houses of Parliament. The increasing use of plastic pipes hit this last stronghold hard.[33]

4.6 Incorporation, Mergers and Takeovers

When Walter Macfarlane & Co became a limited company in 1935, they were obliged, under the terms of the 1929 Companies Act, to submit a yearly return to the Board of Trade. These returns would include details of directors and shareholders and latterly financial details.

Walter Macfarlane Jnr died on 3 July 1932. He was succeeded by his own son, Col. Walter Macfarlane and a group of trustees administering the estate of the late Walter Macfarlane Jnr.

A decision was soon taken to go 'limited' and the old Walter Macfarlane & Co was effectively sold to the new company. This sale was deemed to have taken place on 1 January 1934 when the assets were calculated at £153,064, 17 shillings and a halfpenny. Liabilities were £85,702, 12 shillings and 10 pence. This left a net worth of £67,362, 4 shillings and 2 pence halfpenny.

The company was incorporated on 12 April 1935 (Company number 18428) with a working capital of 100,000 shares at £1 each. Col. Walter Macfarlane and the trustees were allocated 67,362 shares at no cost reflecting the value of their holdings in the 'old' company. These shares were split 58,390 to the trustees and 8,972 to Col. Walter Macfarlane.

The residue of the 100,000 shares was bought by Col. Walter Macfarlane and the trustees creating a private limited company.

The split of the residue was 28,290 to the trust and 4,346 to Macfarlane, maintaining the ratio such that Macfarlane owned approximately 15.3% of the company in his own right.[34]

The table which follows indicates the profit and loss situation at Walter Macfarlane & Co Ltd from 1948 to 1965.

Year	Profit	Loss
1948	£1,495	
1949		£4,639
1950		£42,000
1951	£16,000	
1952	£29,717	
1953		£43,307
1954	£18,500	
1955	£32,425	
1956	£16,500	
1957		£21,107
1958	£44,599	
1959	£15,684	
1960	£37,000	
1961	£13,507	
1962	£20,847	

1963	£20,188	
1965	£17,923	

Fig.253: Profit and Loss for Walter Macfarlane & Co Ltd, 1948–1965
Generated from Returns Held
by the National Archives of Scotland

Walter Macfarlane & Co Ltd remained independent for only one year. On 15 April 1936 new Articles of Association were approved relating to the transfer of nearly all the shares to Federated Foundries, 105 St Vincent Street, Glasgow.

As of 29 April 1936, the shareholdings were:
Federated Foundries – 99,999
Lt Walter Macfarlane – 1

Federated Foundries transferred another single share to William Rennie on 30 March 1937.

Federated Foundries also included;

- Thos Allen & Sons, Thornaby on Tees
- Cameron & Roberton, Kirkintilloch
- David King & Sons Ltd, Skipton, Yorks

Other companies in group:

- British Doby Stokers Ltd, London
- Grange-Camelon Iron Co Ltd, Falkirk
- Jackson, Elphick & Co Ltd, Larkhall, Lanarkshire
- Saunders & Connor, Barrhead, Glasgow
- Southern Foundries Ltd, Croydon
- The Warrington Light Castings Co Ltd, Warrington

- Watson, Gow & Co Ltd, Falkirk

New Articles of Association were approved on 30 December 1949 and a financial statement included in the yearly return to the Board of Trade from December 1948.

Directors as at May 1950:
Macfarlane
Rennie
Milne
Deas
Richards
Saunders[35]

William Rennie died on 18 February 1956 and his single share was transferred to Deas on 7 March 1956.



Fig:254: Saracen Foundry, 3 April 1950
(RAF Collection, RCAHMS)

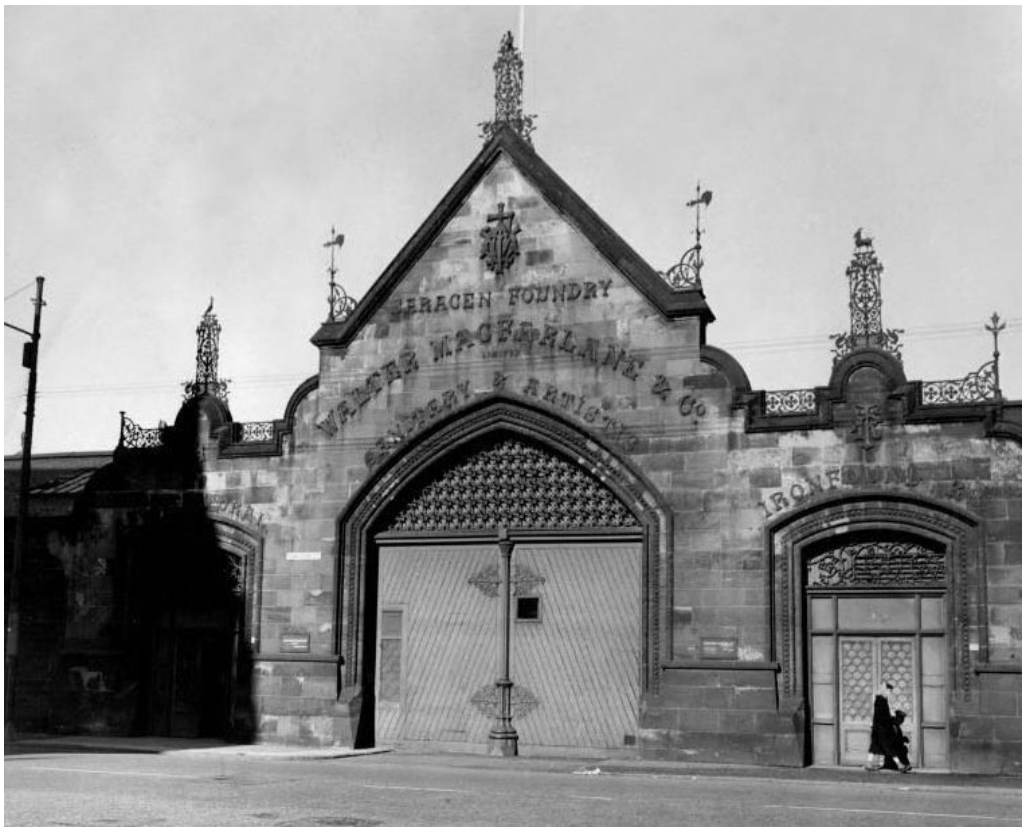
In the 1960s the staff numbers had reduced considerably from the heydays of the late 19th century, consisting of 12 draughtsmen, 2 watercolour artists, a structural engineer and a designer with 'experience both here and in America.'[36]

In 1962 it was reported that Federated Foundries was proposing to wind up the firms activities and had offered the land to Glasgow Corporation for development.[37]

Col. Walter Macfarlane and James Neil Deas had resigned as directors on 10 April 1964. John Cameron and Joseph McNay assumed directorships on the same day.

The death of Colonel Walter Macfarlane in 1965 marked the end of the family association with the company. The company became part of Allied Iron Founders in 1965 after Federated Foundries and Allied Iron Founders merged in 1964. Allied Iron Founders made an effort to combine the resources, direction and marketing skills of a number of British Foundries who mostly dealt with the domestic markets. Allied Iron Founders was absorbed into Glynwed Group from 1966.[38]

The foundry at Possilpark eventually closed in 1967. The Glynwed Group and its successor firms have no record of what happened to the company business records, archives, patterns, designs and company literature.[39]





Figs.255&256: Foundry Prior to Demolition, 1965 (RCAHMS)

On 25 March 1968 an EGM of Walter Macfarlane & Co Ltd was held at Allied Iron Founders, 28 Brook St, London and the decision reached that:

'The company be wound up voluntarily and that Gordon Henry Ramsay, CA, South Bank Ironworks, Kirkintilloch, be and hereby is appointed liquidator for the purposes of winding up the company.'

The assets of the company were £207,750 at liquidation and the returns to contributors (shareholders) 41/7d per share. (Liquidation statement 21 June 1968).[40]

Following a request for display items, a letter to Bowes Museum from J A Richards, Director and Manager at Saracen in December 1964, indicated that;

'Unfortunately we destroyed and remelted most of our ornamental castings patterns some years ago and only have a few left.'[41]

Numerous individuals in the Scottish Foundry trade at the time have advised me anecdotally that the entire stock of patterns etc were disposed or destroyed by burning.

The Ironbridge document records that:

'The range of patterns had been reduced over the years to make room for developments, and those remaining were broken up, except some gutter patterns which were taken over by two foundries in the North of England.'

In 2005 I met Mr John Cameron, of Cameron & Roberton, Southbank Ironworks in Kirkintilloch. In his nineties, John is one of the last of the Scottish iron founding generation, and remembers Saracen foundry where his brother Tim was for a time Commercial Director via Federated Foundries. He still has bitter memories of Allied Iron Founders and the method in which the Scottish iron founders were dismantled. He advised that under Federated Foundries a spirit of co-operation had existed, where Allied set out to destroy the individual identities of the firms. He recalled that two days after Walter Macfarlane & Co Ltd signed the deed to Allied Iron founders, they dispatched two men to Glasgow to specifically break up the pattern for a royal coat of arms which Saracen had supplied to Embassies and Royal buildings. From then on, only Coalbrookdale was to make these.

4.7 Commercial Arrangements

From its first decade Saracen chose to operate independently from the wholesaler supply chain and target designers and end users directly. This was a risky strategy which required concentrated marketing and sales activity.

UK activity was managed from the home base and from London.

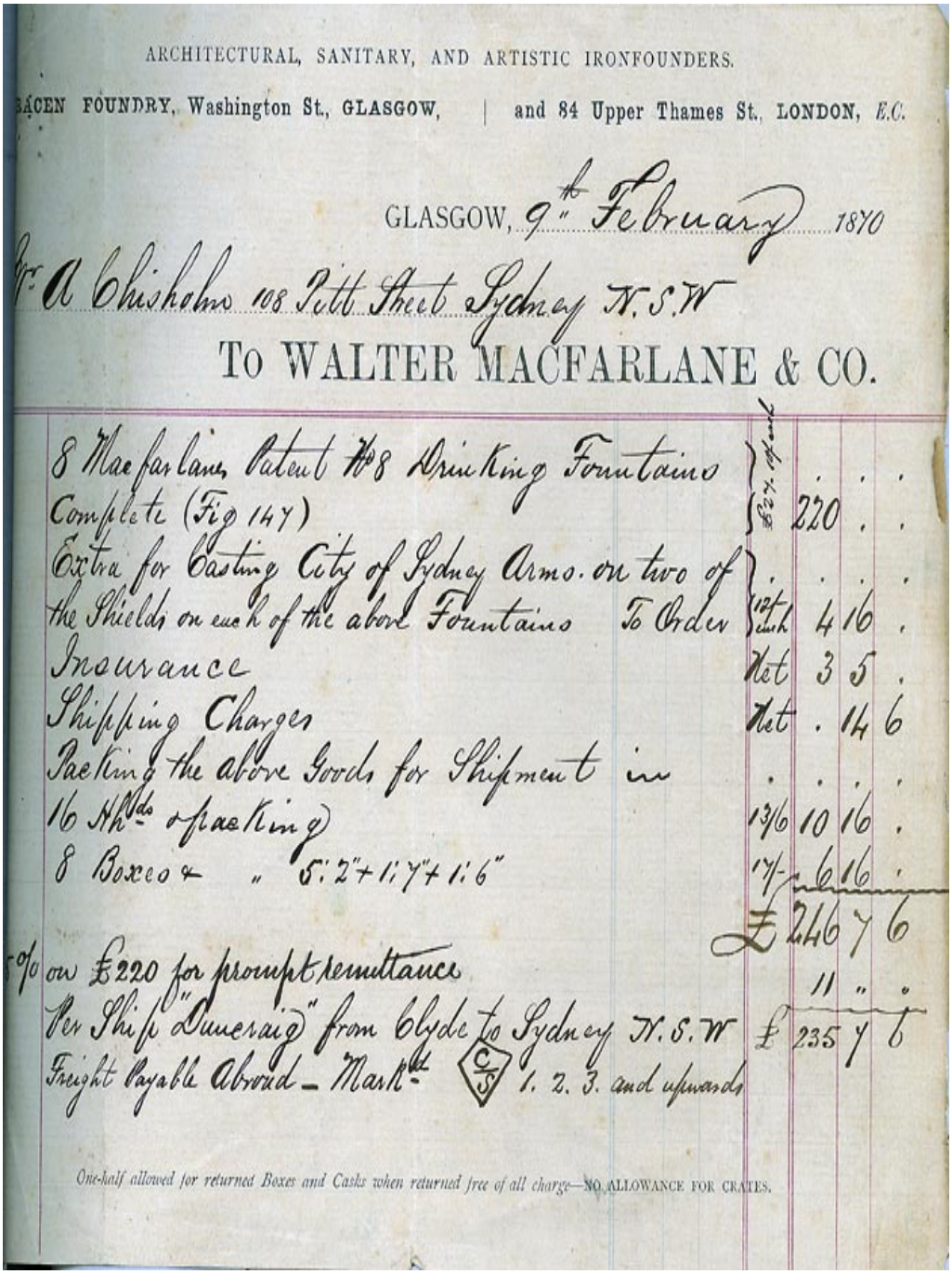
'We had established an Agency in London for our sanitary work some years before and a Mr Thomas Begg of Bedford Street had run it with some success. But during the Exhibition (1862) period, we opened a branch for our whole productions, also in Bedford Street. Mr Robert Fulton was placed in charge and Mr Begg ceased to act for us.'

'Our London office continued in Bedford Street for about two years and was then removed to Upper Thames Street, where we also had a warehouse under the Cannon Street Station. All the South of England from the Wash to the Bristol Channel was handed over to this branch, who sent out their own travellers, booked and forwarded their own goods and struck their own balance sheets. After an experience of five years, however, the expenses were found so heavy that the Warehouse was given up. Mr Fulton returned to Glasgow and the Travellers reported themselves to Headquarters. By this time, the whole kingdom had been divided up into numbered districts, each having a Traveller out in the district, and order clerk in the office at home and a salesman in the warehouse, so that these three, with assistance if necessary, conducted that section as an entity and had nothing to do with others, but were held completely and absolutely responsible for their section. If the Traveller failed to obtain orders, he was pulled up or dismissed; if the correspondence clerk neglected or messed the correspondence, he also was dealt with, and if the salesman failed to execute his orders promptly, and correctly, his responsibility could not be evaded. The great secret in management is in being able to spot and remove the weak point. The Travellers in addition to a fixed salary and expenses, were paid a commission on any sales over a fixed amount but had, out of this, to bear a considerable portion of any bad debts arising.'

'When the business was started, six months credit was invariably given, but gradually this was reduced to four months, and then to quarterly accounts, the advantage being smaller amounts in cases of failure and a saving of capital in cash lying out. The Districts were also made to fall due at different dates so that collection was being made all over the year, and no Traveller was allowed to collect accounts. What I have related was not produced in one day, but was necessitated and evolved by the growth of the business extending over years.'[42]

Travellers were recruited by Macfarlane himself as late as 1869, with an advert in *The Herald* seeking a traveller 'about 28 years of age, must have considerable force of character and ready aptitude for mastering details.'[43]

Overseas activity seems to have been managed through agents in some cases, although details on the arrangements are scant. Evidence indicates direct orders were also accepted. Good relations with Crown Agents were important in breaking into the Colonial market. Crown Agents were distinct from the civil service and effectively managed the interests of the Empire. Saracen had a good relationship, due to the quality of goods and services provided. For this reason the firm had a 94% success rate in the 71 applications it made to fulfill orders in Ceylon between 1894 and 1901.[44]



ARCHITECTURAL, SANITARY, AND ARTISTIC IRONFOUNDERS.

SARACEN FOUNDRY, Washington St., GLASGOW, | and 84 Upper Thames St., LONDON, E.C.

GLASGOW, 9th February 1870

Messrs A Chisholm 108 Pitt Street Sydney N.S.W

TO WALTER MACFARLANE & CO.

8 Macfarlane Patent No 8 Drinking Fountains Complete (Fig 147)	each £27.10	£	220	. .
Extra for Casting City of Sydney Arms on two of the Shields on each of the above Fountains	To Order	12th each	4	16 .
Insurance	Net		3	5 .
Shipping Charges	Net		.	14 6
Packing the above Goods for Shipment in 16 Nos of packing			13/6	10 16 .
8 Boxes & " 5:2"+1:7"+1:6"			17/-	6 16 .
		£	246	7 6
5% on £220 for prompt remittance				11 " "
Per Ship "Duneraig" from Clyde to Sydney N.S.W		£	235	7 6
Freight Payable Abroad – Mark CS	1. 2. 3. and upwards			

One-half allowed for returned Boxes and Casks when returned free of all charge—NO ALLOWANCE FOR CRATES.

Fig.257: Copy of Order Placed for Eight Drinking Fountain Canopies
(Courtesy of National Archives of Australia)

In business, Saracen were eager to protect their assets, their knowledge through Patent protection, and their Registered Designs/Copyright.

Saracen were fiercely protective of their design registrations and patents. As early as 1858 Macfarlane tackled McDowall Steven and

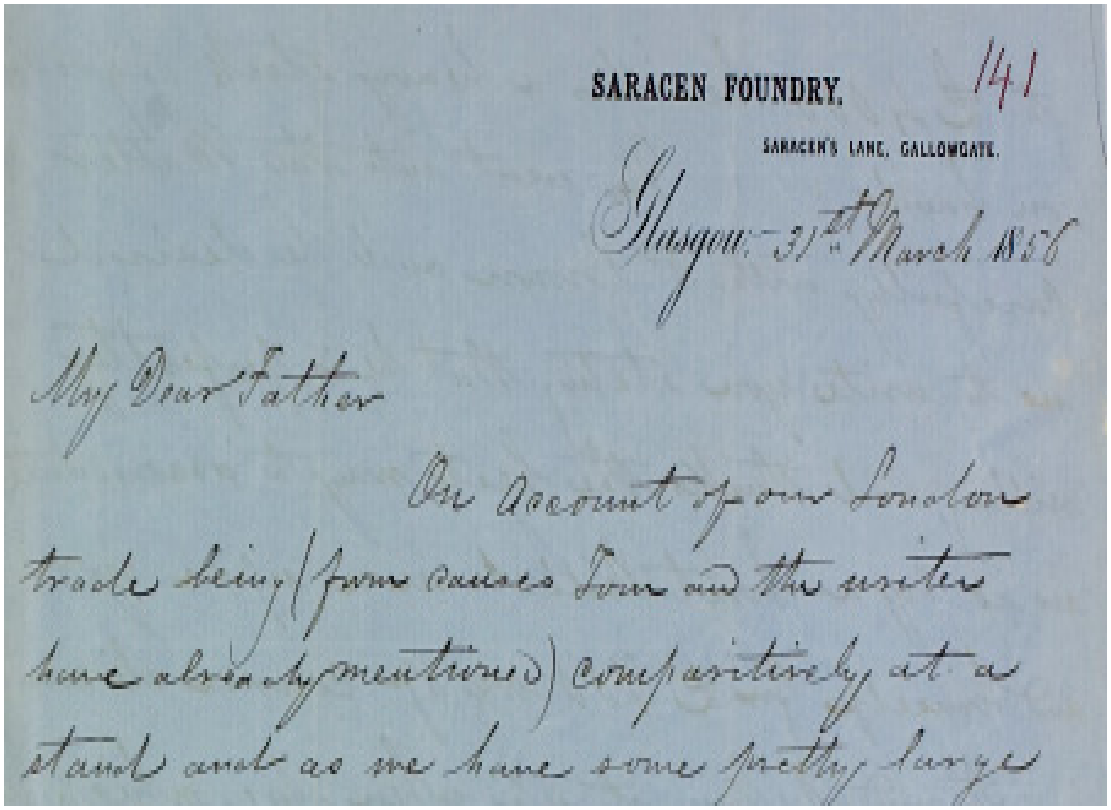
Co over patent infringements (successfully) and prompted McDowall Steven to write to the *Glasgow Herald* a letter in rebuke of their new competitor's actions.[45] Barely had George Smith left the firm than his former employers were pursuing him for breaching their patent for 'improvements in moulding or manufacturing cast iron pipes.'

In 1882 they took legal action against the Glasgow based Oak Foundry, a short lived foundry specialising in railings. Saracen pursued the firm for design infringements in the catalogue they had just produced. It is not known if this action was successful but illustrates the willingness to protect their business.[46]

This pro-active approach was further shown when they secured an injunction against the North British Railway Company to prevent them giving preferential carriage rates to rivals George Smith & Co.[47]

The level of output at Saracen is difficult to gauge without access to production records, but some intimations are possible from secondary sources. It is noted that in 1884 the daily output of the foundry was 100 tons per day.[48]

4.8 Creating the Brand



SARACEN FOUNDRY. 141

SARACEN'S LANE, GALLOWGATE.

Glasgow 31st March 1856

My Dear Father

On account of our London trade being from causes known and the winter have already mentioned) comparatively at a stand and as we have some pretty large

Fig.258: Earliest Letterhead of Firm
(Image courtesy of Thomas Russell Memoirs)



Fig.259: Advert from 1865, *Glasgow Herald*

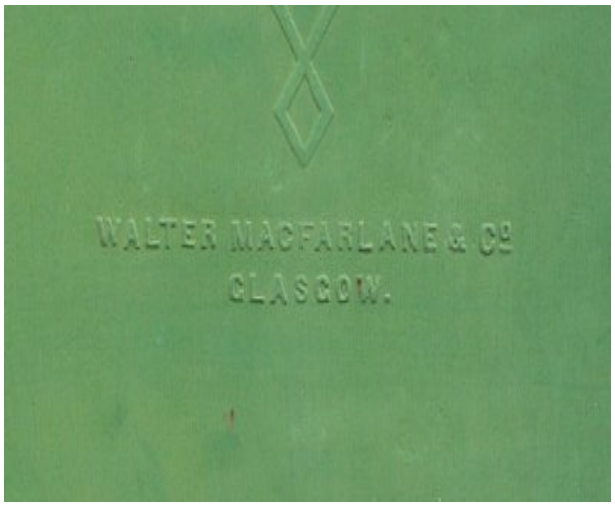
Early company literature followed normal protocols and led with the name of the works. By the early 1860s the brand was being developed by Thomas Russell under the watchful eye of Walter Macfarlane Snr.



Fig.260: Envelope from Walter Macfarlane & Co, c.1870 (Courtesy of Thomas Russell Family Papers)

Macfarlane's made a point of noting that only castings with the Macfarlane's name on them were original. The founding process meant that copies could be made from original castings. The quality was not as good as original castings for the most part, but the original maker's name could be removed and the casting used as a pattern. Firms became fiercely protective of their designs but action was difficult to take in far off countries, and plagiarism in Australia was particularly rife. The distinctive lozenge shape design became the firm's trademark which is to be found on trade literature and on many castings.

The firm used other stamps on their products, but these are not accurate methods for dating structures.





Figs.261,262: Variations on Company Marks
(Images courtesy of The Scottish Ironwork Foundation)





Figs.263&264: Variations on Company Marks
(Images courtesy of The Scottish Ironwork Foundation)

4.9 Catalogues and Literature

Other Scottish firms were using catalogues to promote their work. Carron had done so since the 18th century but on a fairly limited basis. McDowall Steven's Milton Foundry produced catalogues as did George Smith at Sun Foundry. None however produced such a range as Saracen.

Making the builder or specifier's job easier was a key aim. Saracen gained a reputation for being helpful in design and being able to access hundreds of designs which ensured that the client could

have a distinctive design using a modern medium. In time the reputation of the firm was such that using Saracen castings was desirable. An architect in Australia, South Africa or Brazil could design and specify around Saracen Foundry castings, then order them direct from the factory.

Walter Macfarlane Snr was clearly interested in art and design, an interest passed on to his nephew. The presentation of their wares is often described in artistic terms, as art founders interested in colour and decoration. Privately, both had a keen interest in aesthetics, from the decoration of 22 Park Circus, to judging high level photographic competitions.[49]

It has previously been suggested that his early job in the jewellery business of Russell informed this taste. This may or may not be true but Walter Macfarlane Snr certainly understood the importance of design in his commercial work. It was a baseline for the firm.

On 27 October 1854 a note is made in the Counting House Notebook to:

'Make out an alphabetical list of all the goods we make in order to make out a new price card.'

It is not until 26 June 1857 that a note is made recording the ordering of the 1st Edition Illustrated Catalogue.

'The following is the quantities of our Illustrated books to get bound:

880 1st Illustrated catalogue with stitched cover as sample at 8d per dozen
130 Illustrated catalogue 2 vol 1st and 2nd bound in oil cloth, leather on back and gilt edges as sample
200 Vol 1st and 2nd bound in oil cloth and leather on back as sample
300 Vol 2nd bound new cloth back and paper insides, old boards.'[50]

It is interesting to note that even the 1st Edition of the catalogue was split into volumes - this was continued for every subsequent edition, separating rainwater and sanitary castings from ornamental works.

The Practical Mechanics Journal notes receipt of the 1st Edition in 1857:

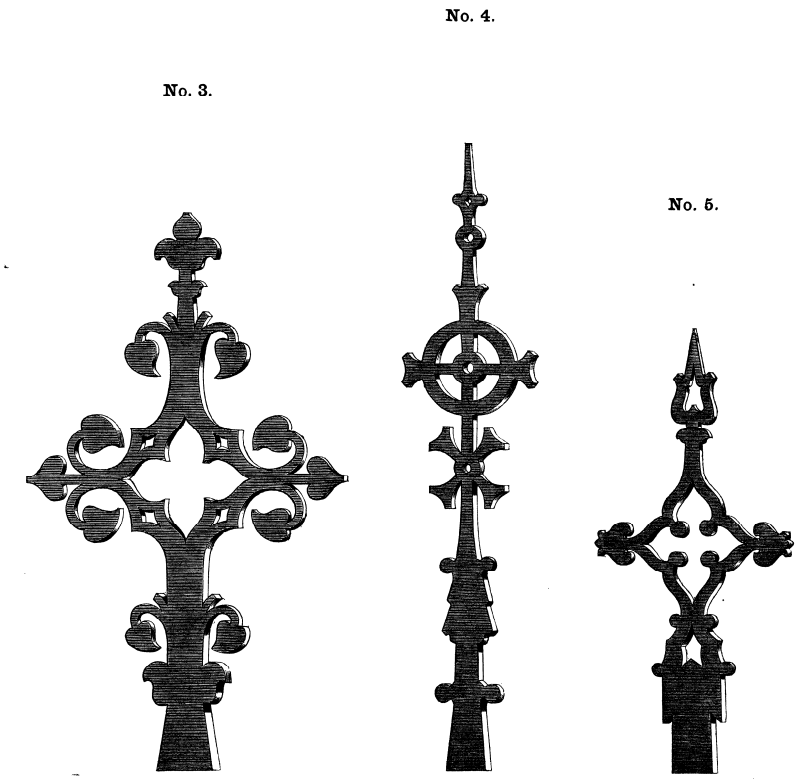
'Both volumes are profusely illustrated by effective engravings on wood…both volumes describe the iron founder's intentions in the clearest possible manner.'[51]

There is one known extant copy of the 3rd Edition, held in the Bodleian Library. This catalogue may have been issued between 1859–1862. The introduction describes their technical advances in manufacturing, and presses the firm's objective to:

'improve quality, and embody art in even the most commonest of their productions.'[52]

It also asserts that their name will be found on all of their work. It is split into two volumes – Rainwater and Plumbers Goods as Vol 1 and Cast Iron Sanitary Appliances as Vol 2.

A limited range of products are shown compared to later editions. The decorative works are notable for the lack of pattern carved detail and ornamentation.



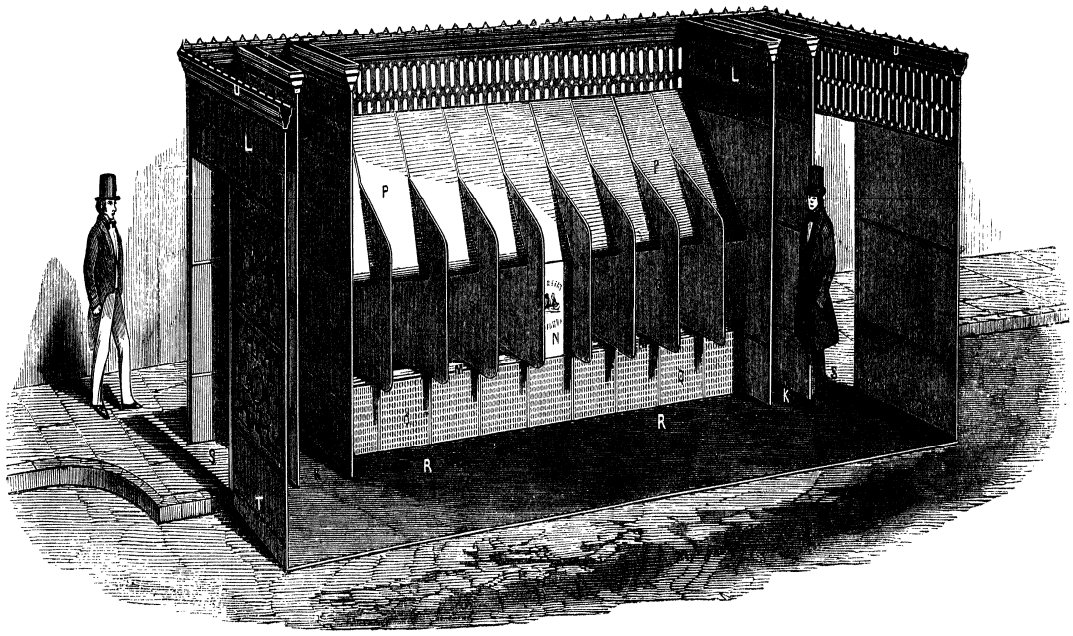
The Drawings on this Page are on a 1⅛ inch Scale.

Fig.265: Decorative Elements from 3rd Edition Catalogue

Volume 2 of the 3rd Edition contains many pages of testimonials and a copy of the paper written by Macfarlane on improving sanitary provision in towns and cities. The Glasgow Council Superintendant of Works notes the quality of their goods and in particular their patented water closets and urinals which are to be used throughout the city.[53]

Other contributors go to great lengths to congratulate the firm in their endeavours and in changing the living conditions of citizens.

Fig. 7.



INTERIOR OF WATER CLOSET AND URINAL CONVENIENCE FOR STREETS AND OTHER PUBLIC SITUATIONS.

Fig.266: Extract from 3rd Edition Showing the Use of Perspective Drawing to Illustrate Products in Context

The catalogue illustration is fairly plain but it is possible to identify the emergence of the illustrative style for which the company became so famous in later years. Some of the first drinking fountains are illustrated, but aside from a basic range of terminals and cresting, no decorative work is illustrated.

The 4th Edition (1863) of the catalogue came in two volumes entitled *Architectural Appliances* and *Sanitary Appliances*. The spine reads 'Macfarlane's Cast Iron Manufactures' which was subsequently modified to 'Macfarlane's Castings' in later editions.

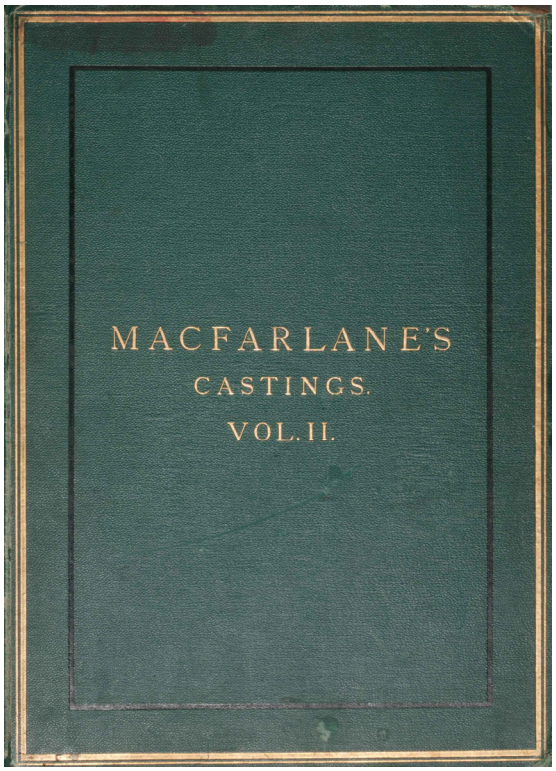
The Builder described receipt of the two volumes for their consideration and gave hearty approval;

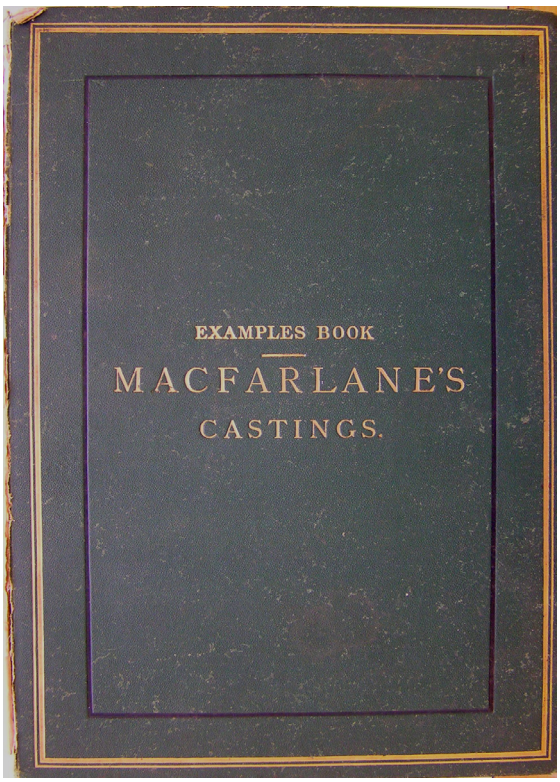
'These volumes might be more correctly styled a book of engravings than a mere catalogue; and it must have cost more than a trifle in getting up. The amount of detail given in this catalogue enables the most inexperienced person thoroughly to understand what is described. The price list, at the end of the catalogue, has peculiar features, simplicity of reference and completeness being their aim. The want of this desideratum we have long complained of in reference to most manufacturers' books.'[54]

The catalogues were printed without a publication year, presumably to prevent them going out of date.

Catalogue types varied and the firm experimented with different variations. A consistent approach was to produce the core catalogue in two volumes and in some instance 'Examples' books were sometimes printed alongside showing what could be done using castings and displayed larger structures. The 6th Edition showed both patterns and examples in the same catalogue.

The 4th Edition onwards used a stock design of green oil cloth with gilt following the tradition of the first catalogue and engendering a feeling of quality.





Figs.267&268: Standard Saracen Catalogues – 'Castings' for Components, 'Examples' for Illustrations in Use
(From D Mitchell collection)

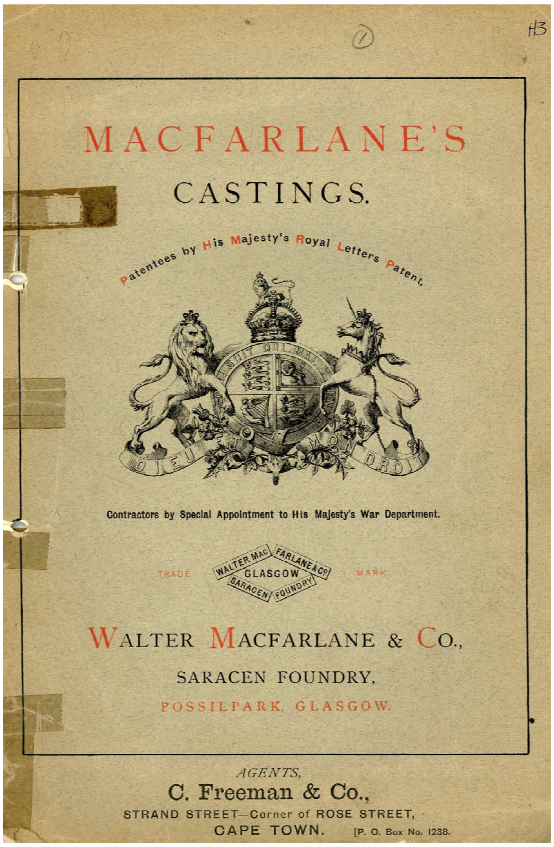


Fig.269: Pocketbook Catalogue for Export Market (From D Mitchell collection)

Eight editions of the catalogue were produced in all, often in a range of sizes from pocketbook versions to large folio size. The catalogues themselves are works of art. Text is minimal and the contents are intended to speak for themselves.

An important but rare publication was an illustrated folio of projects using high quality photographs. This volume appears around 1930 and acts as a documentary record of the firm's later work. Less Victorian examples are shown and the catalogue has a more contemporary feel.

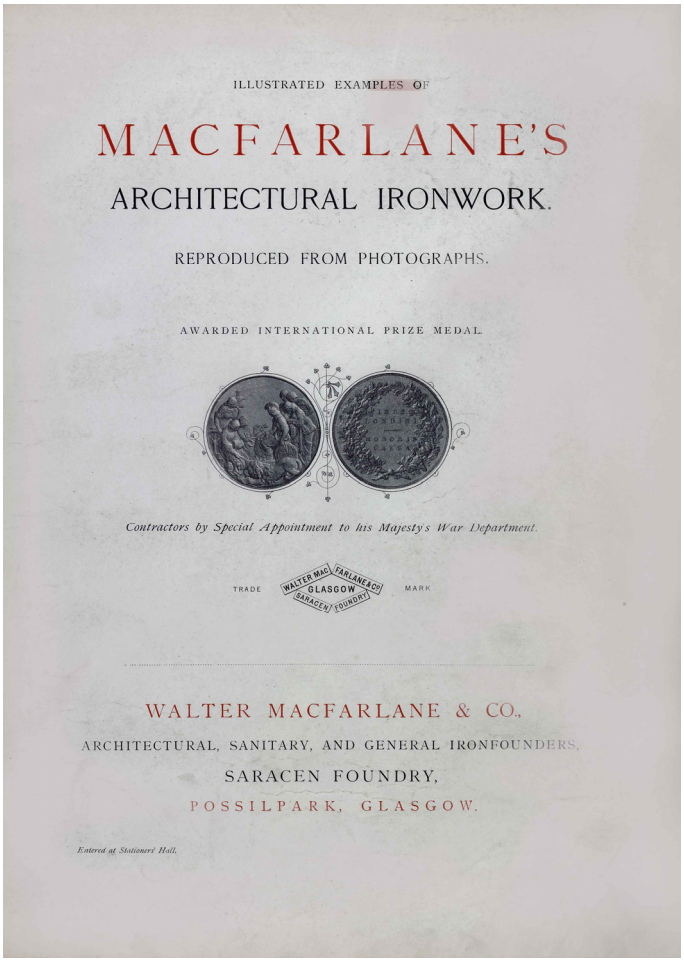
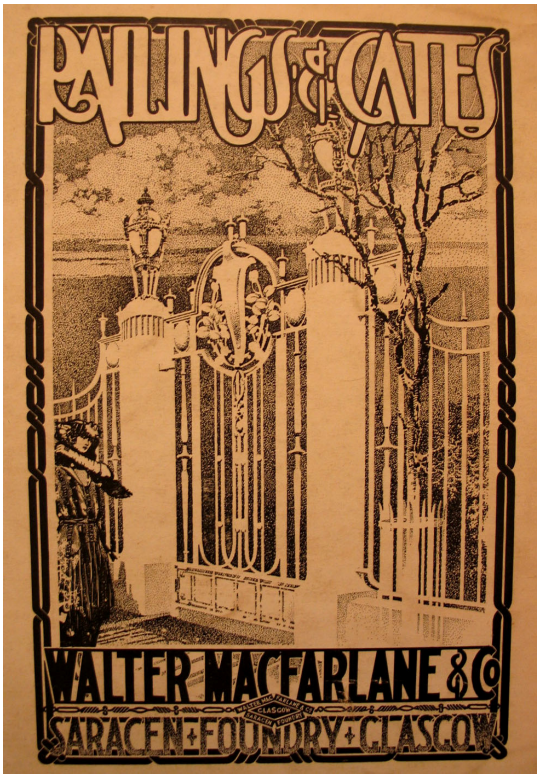


Fig.270: Cover Page from the Photographic Folio of Walter Macfarlane & Co (From D Mitchell collection)

Later catalogues specialised in specific areas. As the use of cast iron declined in its multi–application use, Saracen promoted those applications which sustained a market for them. Catalogues produced in the 1930s focused on rainwater goods, gates and building fronts.





Figs.271&272: 1930s Pocket Brochures
(Images from D Mitchell collection)

Within the Castings catalogue, it is split into categories, with each design defined by a unique pattern number, with variations of size noted. The pattern number was important to identify designs, but

also referencing back to patterns in the foundry and subsequent castings which would have the pattern number cast in.

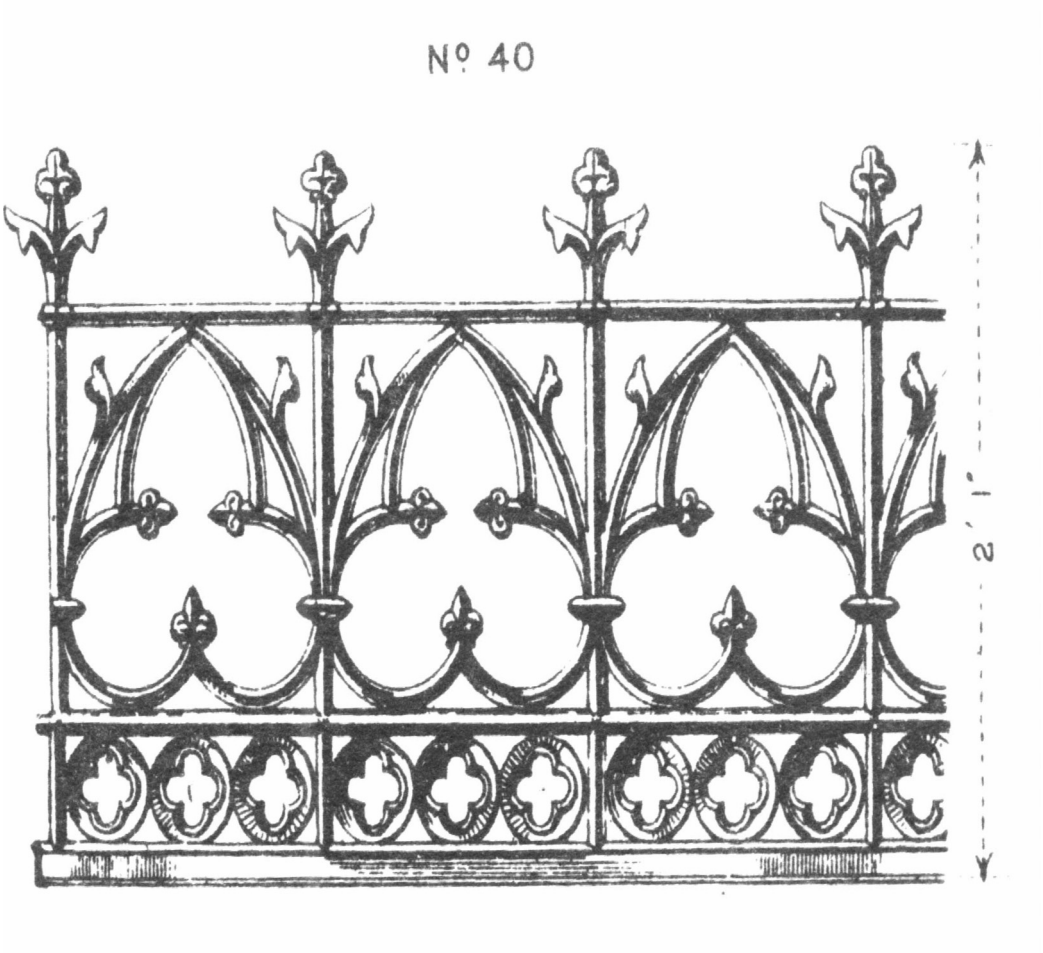


Fig.273: Pattern No 40 From 6th Edition of Macfarlane's Castings

The catalogues contain a preface from the firm, but oddly never from Walter Macfarlane himself. A location map and views of the foundry are usually shown – this was fairly common for the Scottish firms.

The preface for Volume One of the 6th Edition seeks to build the mystique of the firm and Walter Macfarlane himself. His background is described somewhat floridly and the author attempts to promote cast iron work as an artistic equal to previous forms of metalwork. It acknowledges that architectural and ornamental cast iron is still in its infancy, but notes their role as pioneers:

'We feel a natural pride in the success of our efforts, our Architectural, Sanitary, and General Castings having become prominent objects, not only in this country, but over the world, notable for their fresh iron-like features, sharp, clean and full of character, neither care nor expense having been spared in the perfecting of our Designs and Patterns, our ambition being to produce the best quality of work at a moderate price.'[55]

The preface for Volume Two of the 6th Edition attempts to balance a degree of humility with promoting Saracen as being in a different league to their competitors:

'This work as a whole occupies a unique position among trade catalogues...in carrying forward this work (catalogue) to completion, we have been largely encouraged by the exceptional position our Castings have attained in the markets of the world, and it shall be our endeavour to still further merit the confidence that has been so liberally awarded us.'[56]

The 6th Edition shows factory scenes and also shows an idyllic street scene full of cast ironwork, all of course manufactured by Saracen and available to order.

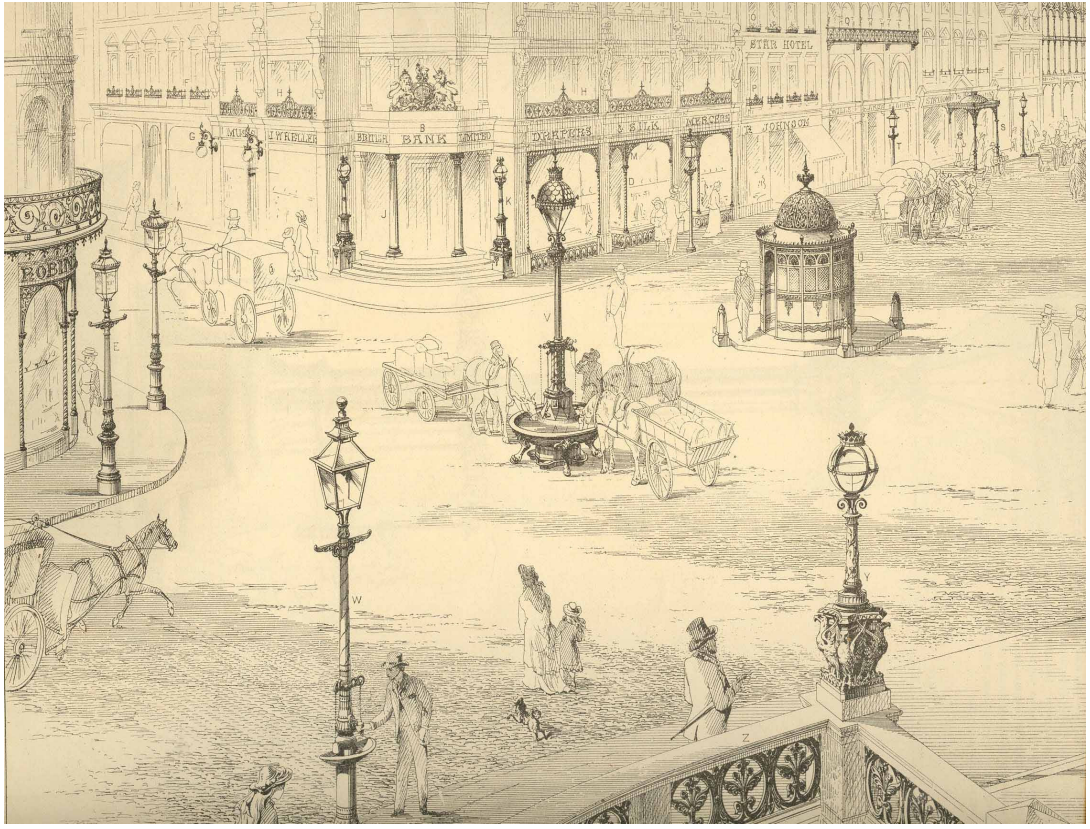


Fig.274: Inner Leaf of 6th Edition of Macfarlane's Castings (From D Mitchell collection)

Catalogues were distributed across the world, particularly the corners of the Empire, and catalogues in Australia, Singapore, India and South America have been identified.

The South American market was important and unlike other countries some translated catalogues were produced.



Fig.275: Export Catalogue, Undated
(Courtesy of Ironbridge Museum Archives)

4.10 Exhibitions and Self Promotion

The success of the Great Exhibition of 1851 cannot have escaped the notice of the partners. Coalbrookdale had a stand at the exhibition showing their fine ornamental and architectural castings including the boy and swan fountain and the large commemorative gates.

By the time of the second London Exhibition in 1862, Saracen were in a position to participate with success. Walter Macfarlane personally gave a £100 guarantee against the event to the organisers.[57]



Fig.276: Walter Macfarlane & Co Stand at 1862 London Exhibition
(From JB Waring, Masterpieces of Industrial Art and Sculpture, 1862)

'In 1862 came the second Exhibition in London, in which we had a stand and made a fair exhibit of ornamental ironwork. There can be no doubt that the quality of our castings impressed all who examined them, especially Architects, and as a new Catalogue of designs was issued about the same time, our trade made a vast increase.'[58]



Fig.277: Silver Medal from the International Exhibition of 1862, South Kensington, London (From D Mitchell collection)

Two gold medals were awarded at the 1884 Calcutta Exhibition, with India and the East an important export market for the firm.

The 1888 International Exhibition in Glasgow was a significant event to showcase Scottish engineering and industry and Saracen created a tremendous stand to showcase their work. A mass of cast iron, highly decorated and incorporating some of their most impressive work, it was an impressive statement of their position.



Fig.278: Saracen Foundry Stand at the 1888 International Exhibition
(Image courtesy of Mitchell Library)

They also showcased a lamp standard which had been recently used at St Andrews Halls but with a figure of Samson on top.

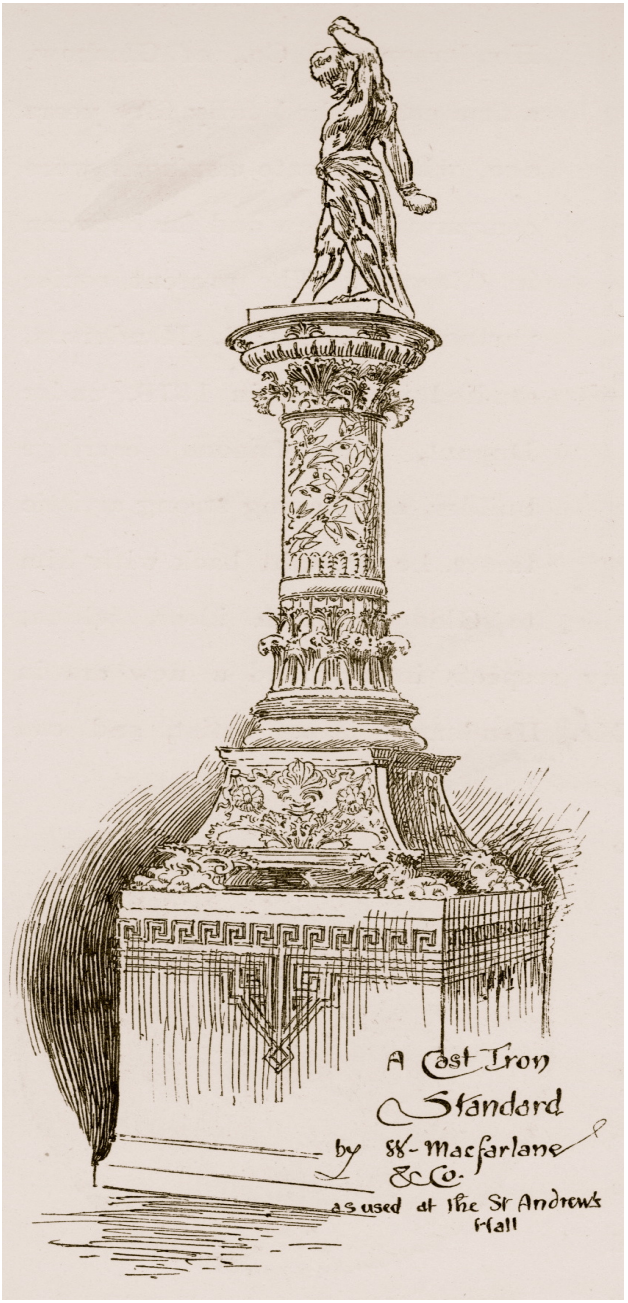


Fig.279: A Cast Iron Standard
From 'Pen and Ink Notes of the 1888 Exhibition'

On the return to Glasgow in 1901, again Saracen had a major presence, although interesting to note a different product focus, showing more structural work with the innovative cast iron 'fish scale' glazing.



Fig.280: Saracen Foundry Stand at 1901 Glasgow International Exhibition
(The Scottish Ironwork Foundation)

The showroom at Possil was a masterstroke. While many iron founders kept their doors firmly shut for fear of industrial espionage, Saracen turned this on its head and allowed access to a portion, at least, of the site.



Fig.281: Advert for Drain and Soil Pipes – Source Unknown (From D Mitchell collection)

When the Institute of Mechanical Engineers visited Glasgow the party went to the Neilson and North British Locomotive Works. William Dixon's Ironworks and Saracen were keen to throw open their doors to the visitors, something iron founders were usually reticent to do.[59]

Saracen were opportunist in their self-promotion, going to the lengths of gifting a drinking fountain to the town of Kirkintilloch which was accepted (presumably grudgingly) by Provost Cameron, of the significant local iron founders Cameron and Roberton. The local paper went so far as to describe it as 'strange proceedings.'[60]

The quality of the design and artistic ethics were always something the firm were keen to promote, and for a number of years an exhibition by the drawing office staff was held for public display.

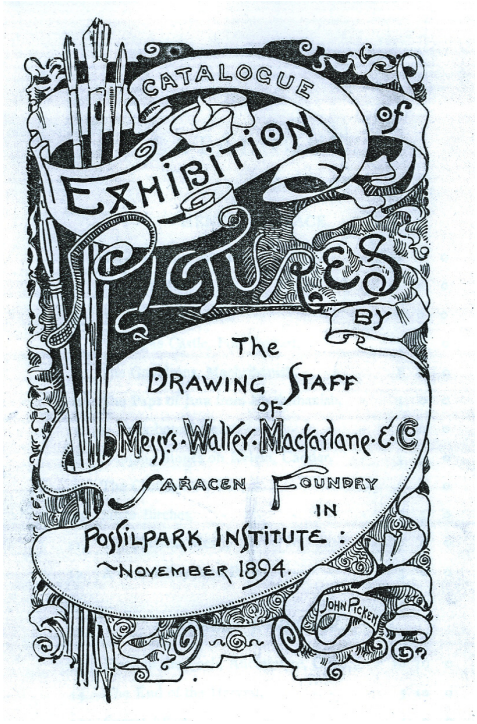


Fig.282: Catalogue of Exhibition by Saracen Staff, 1894 (Poster held by Mitchell Library)

4.11 Associations

Saracen, more than any other firm, forged long and lasting relationships with architects and designers. These relationships were symbiotic in that commissioning young up-and-coming designers could reap benefits should these people become successful and specify Saracen products.

James Boucher especially was to have a long relationship with Saracen, designing the Washington Street[61] and Possil Foundries, and later extensions. He was also to design Walter Macfarlane Snr's house at 22 Park Circus and Carlston at 998 Great Western Rd for James Marshall. He was also commissioned to design various castings – fountains and railings in particular.[62]
Boucher's career trajectory followed that of Saracen and the association was a close one.

Boucher used Saracen to make the ironwork for John Kibble's conservatory at Coulport, later to become the Kibble in Glasgow, along with castings for a range of domestic and commercial projects such as the Teachers Building in St Enoch Square in 1875.[63]

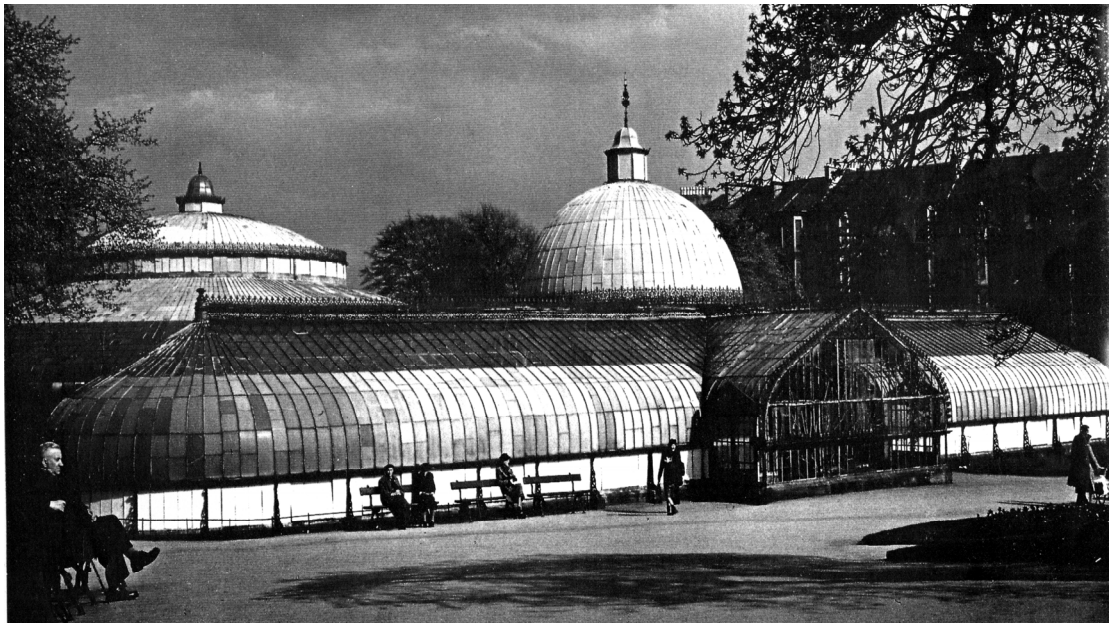


Fig.283: Kibble Palace 1930 Showing the Saracen Portion from Coulport
(Postcard image)
(From D Mitchell collection)

Connections between Alexander 'Greek' Thomson (1817-1875) and Saracen were strong. Saracen made the ironwork for some of his key projects including the Bucks Head building in Argyle Street in 1863, Holmwood House (1865), and Westbourne Terrace (1870). He designed six cast iron lamp standards for the Egyptian Halls (c.1872) and these became stock items in the Saracen catalogue, used at the rear of the Mitchell library.

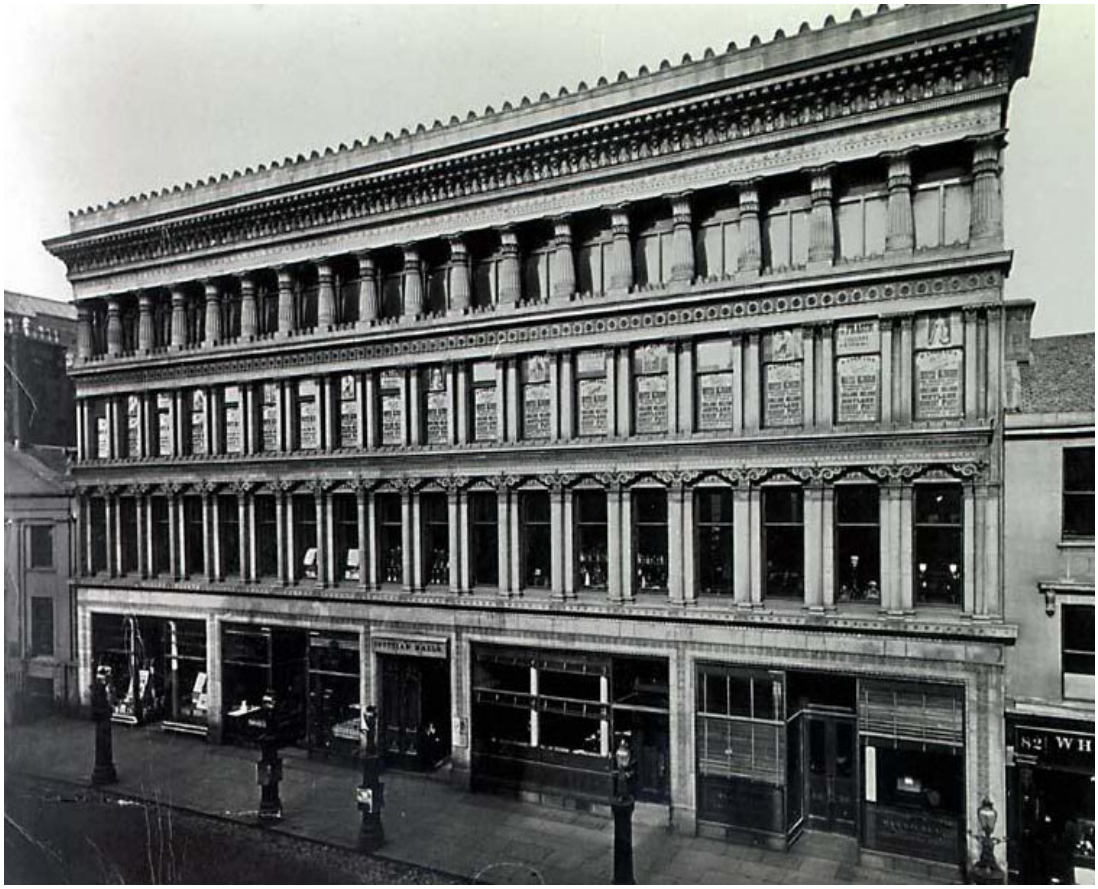


Fig.284: Egyptian Halls in 1872 by Alexander Thomson with Saracen Lamps in Front of the Building (Image courtesy of Mitchell Library)



Fig.285: The Buck's Head Building (Image courtesy of Historic Scotland)

Saracen also worked with other architects and designers, including John Burnet on the Selfridges building (1919) and Sir Giles Gilbert Scott in the manufacture of the K6 Telephone box. Charles Henry

Driver (1832–1900) developed close associations with Saracen. As an architect interested in the use of iron as a structural and decorative medium, the attraction to Saracen would be obvious. Driver had worked with Paxton on the Crystal Palace for the 1851 Exhibition. In 1897 Driver used Saracen to build the 'Station of Light' in Sao Paulo, Brazil.

Sculptors were occasionally commissioned externally to the firm, most notably David W Stevenson (1842-1904) to create the Saracen Fountain for the 1901 Glasgow Exhibition and currently in Alexandra Park.

Staff Associations

Like Carron before it, Saracen was to be a training ground for those who then branched out to create their own firms or move to work for competitors. Saracen were clearly keen to defend their intellectual property and trade secrets in court if required.

George Smith of Sun Foundry, later to become major competitors, started as a patternmaker at Saracen in the Gallowgate period and left to establish Sun Foundry as we have seen.

A more significant loss to the firm were Jackson, Hudson and Brown who left Saracen to establish Lion Foundry in 1880. Jackson, who had worked as a salesman for Saracen, Hudson who had been a fitter at Sun before becoming foreman of the fitting shop at Saracen, and Brown who had been a clerk, would have had detailed knowledge of various key parts of the business in terms of how things were produced, erected and the client base.

David M Tyre left Saracen around 1900 to set up David M Tyre and Son in Bridgeton in 1901. Tyre had been a designer and engineer

specialising in bandstands. They did not compete in the same manner as either Sun or Lion.

4.12 Manufactures

The products of Saracen Foundry reached their broadest range during the 6th Edition. This appears to have been issued between 1882–1885. Over two volumes the following manufactures are covered;

- Pipes
- Gutters
- Ridgings
- Terminals
- Railings
- Gates
- Panels and Gratings
- Stairs
- Balconies
- Desks and Seats
- Lavatory ranges
- Baths and Pumps
- Fountains
- Urinals
- Trough Water Closets
- Trough Dry Closets
- Dust Bins
- Lamps
- Brackets
- Columns
- Enrichments
- Windows
- Structures

Each Section is subdivided into components.

Pipes and Gutters

Early manufactures of the firm focused on sanitary wares and other domestic castings. Sash weights, pipes and water fittings featured prominently in the first decade. Gutters and water closets started to be manufactured towards the end of the first decade as Walter Macfarlane patented new designs.

The 3rd Edition of the catalogue celebrates the advances made by the firm in the manufacturing process for downpipes.

Their endeavours to improve the manufacture of cast iron Pipes and Gutters, after many years of laborious exertions, have been crowned with success. Previous to the date of their fourth British patent, every rain water pipe had incorporated into it, in the process of making, broad-headed nails or chaplets, which impaired its solidity and strength, and very often caused it to leak at the parts where the nails were inserted. Fig. A shows the section of a pipe cut through at the nails, made on the old system, in use previous to their Patent process.

Fig. A. Fig. B. Fig. C.

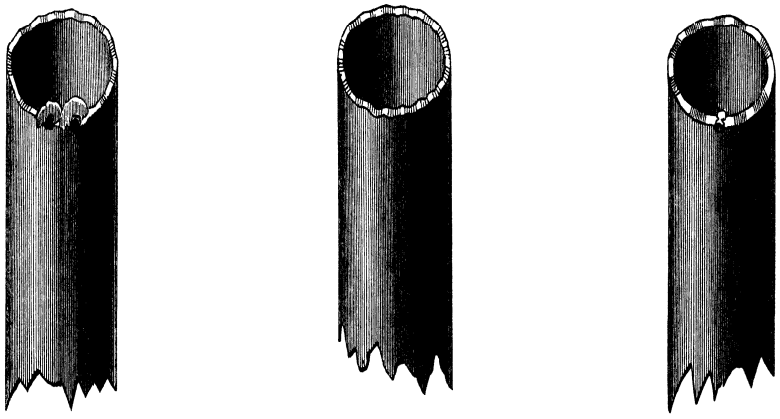


Fig. B is the section of a pipe made by their Patent system, and having neither nails, chaplets, pegs, nor any other foreign material incorporated into it. Fig. C is also the section of a pipe made by their Patent method, and having a small peg embedded in it. On comparing the shattered and unsound section of pipe made by the old process (Fig. A) with the sections of pipes made by the patented process (Figs. B and C), the superior and uniform solidity of the patent pipes will be at once apparent.

Fig.286: From 3rd Edition Catalogue
(From D Mitchell collection)

Gutters and downpipes are prolific, but Macfarlane particularly promoted ornamental and non standard designs.

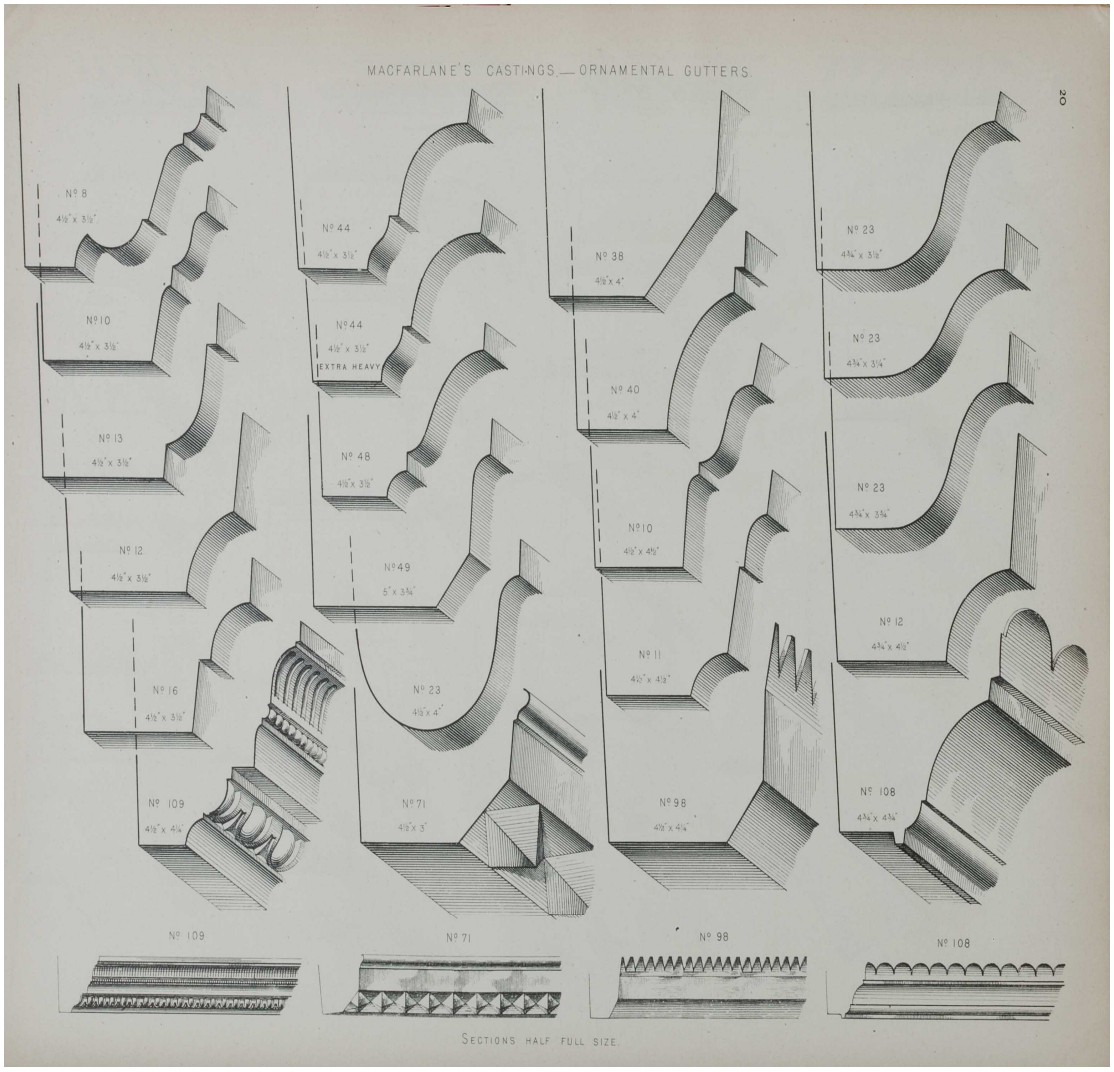


Fig.287: 7th Edition of Macfarlane's Castings
(From D Mitchell collection)

Standard face and valley gutters were supplied, plain and ornamental combined with gutter enrichments (antifixae) and terminals. Domestic and industrial sizes up to 35 inches were stock manufactures.

Ornamental downpipes were manufactured in a range of designs. Saracen had a tendency to push casting technology and high quality patternmaking to create complex designs.

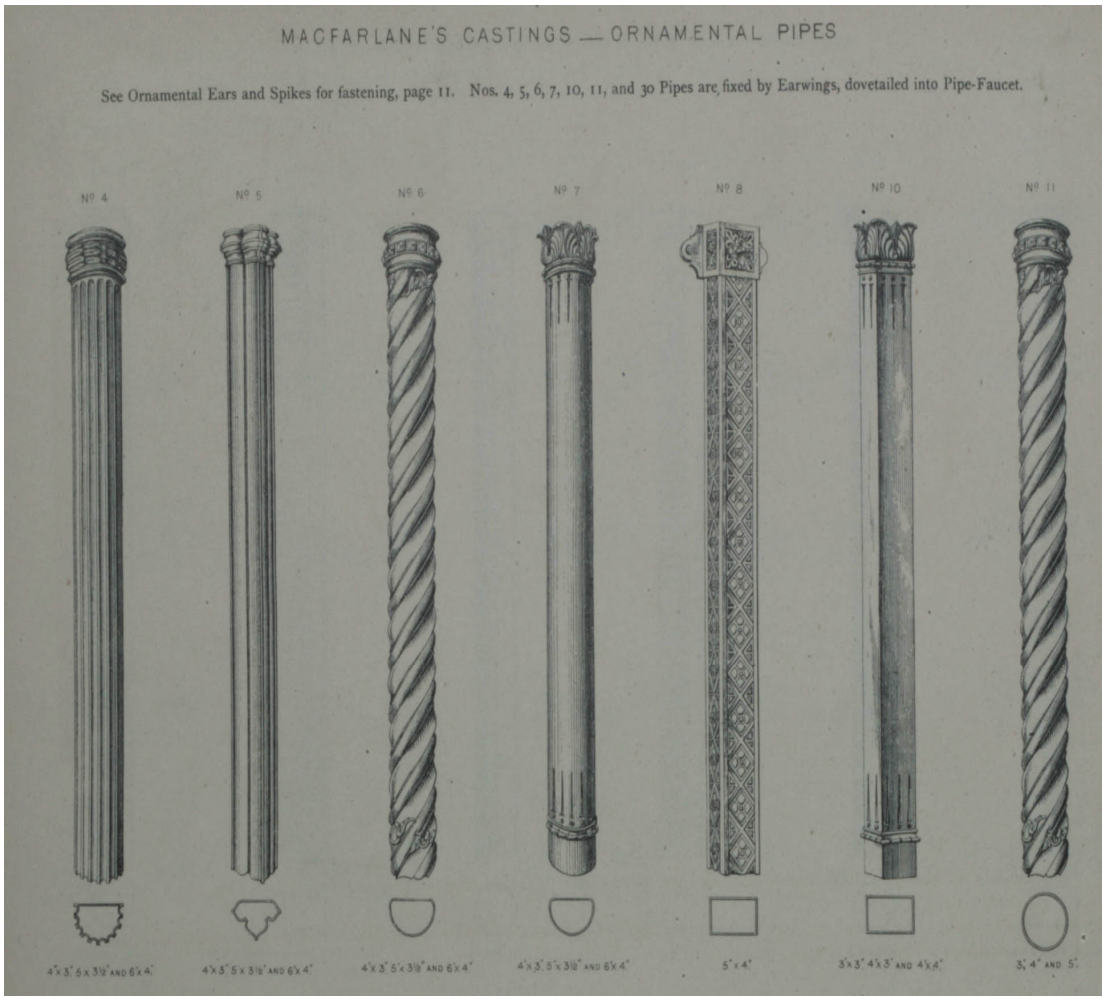


Fig.288: 7th Edition of Macfarlane's Castings (From D Mitchell collection)

Twisted or 'rope' type columns and castings are very difficult to manufacture. On a plain column the joint line between the top and bottom half of the moulding box is visible running up and down the pipe. The poorer the quality the more obvious the joint line is.

Moulding a twisted or fluted pipe is difficult since the pattern cannot be withdrawn directly from the sand mould due to undercuts which would damage the sand. It would appear that the

technique was to 'unscrew' the pattern from the sand, which of course then required a geometrically accurate fluted design, with loose elements for added decoration.

Perhaps the finest extant example is to be found in Russell Street, Rothesay, Isle of Bute. Thomas Russell had strong connections to Bute and built a row of tenements in the town. Interestingly, the ashlar detail matches that used on the Possilpark Foundry.

The downpipes used were pattern No 11 with flat backs in order not to encroach onto the pavement too much.



Fig.289: Russell Street, Rothesay
(Photograph by D Mitchell 2010)

Ridgings and Terminals

Ridging was designed in such a way to accommodate terminals and cresting along the ridge.

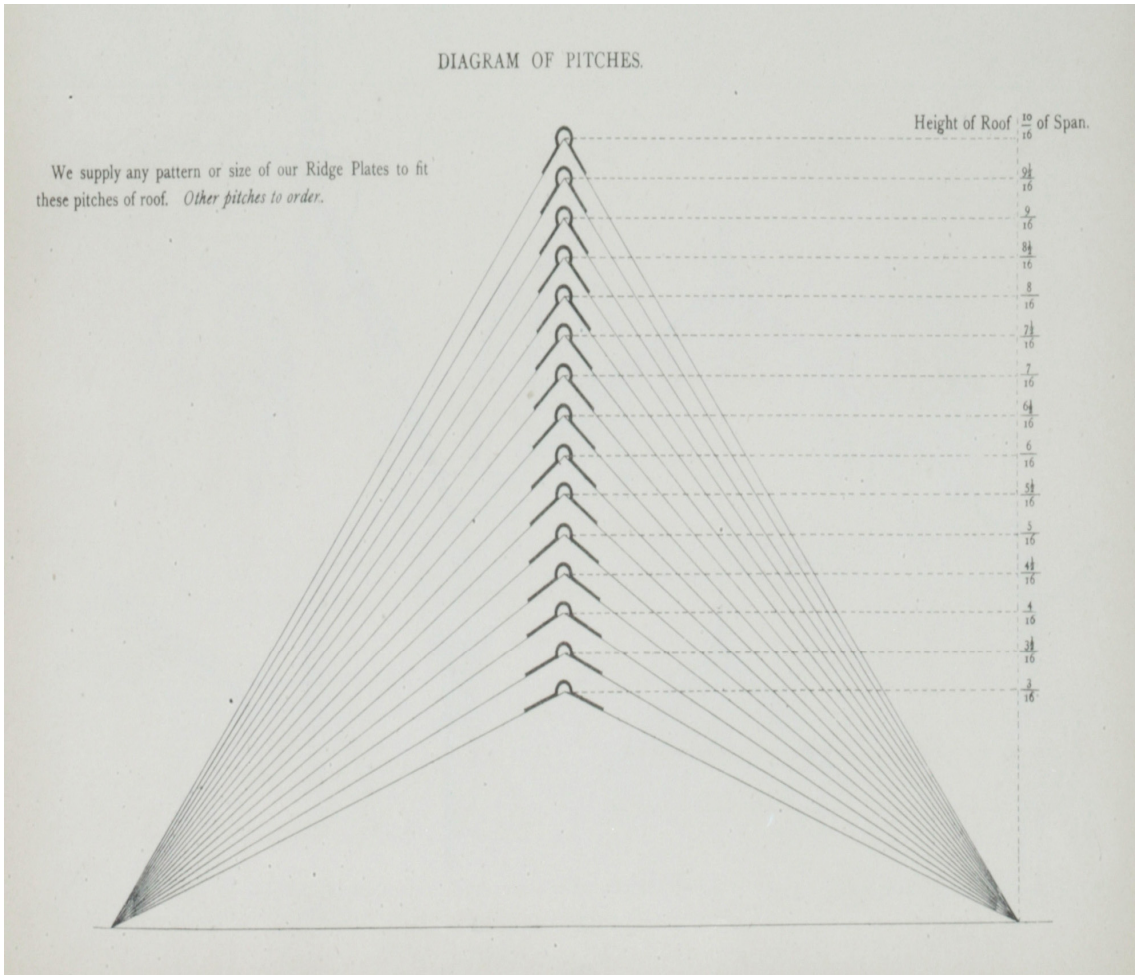


Fig.290: 7th Edition of Macfarlane's Castings (From D Mitchell collection)

Terminals for housing were common, but special terminals were manufactured and stock items extended to terminals 12 feet high. These were particularly interchangeable components for structures like bandstands, so a client could order a pattern No 279 Bandstand and alter minor components to have something unique.

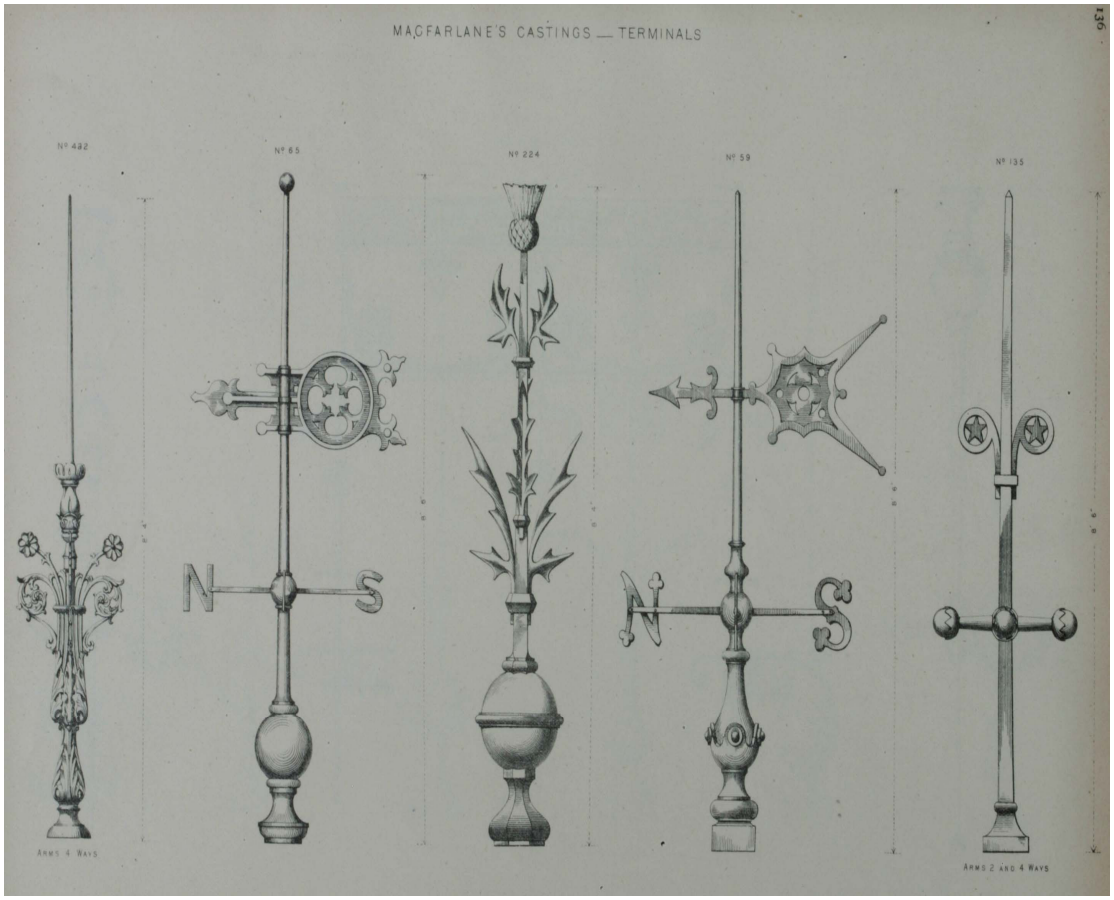


Fig.291: 7th Edition of Macfarlane's Castings (From D Mitchell collection)

Railings and Gates, Stairs and Balconies

Saracen manufactured hundreds of varieties of railing in various sizes. It rarely however manufactured railing 'spears'. Whilst this type of Georgian ironwork was much more common in Edinburgh, other Glasgow firms, George Smith and Co in particular, manufactured extensive ranges of spear railings. Perhaps Saracen considered these to be too mass market and readily available from smaller firms. They did manufacture large railing panels to give the appearance of individual railing spears, and also designs which purposely gave the appearance of wrought iron.

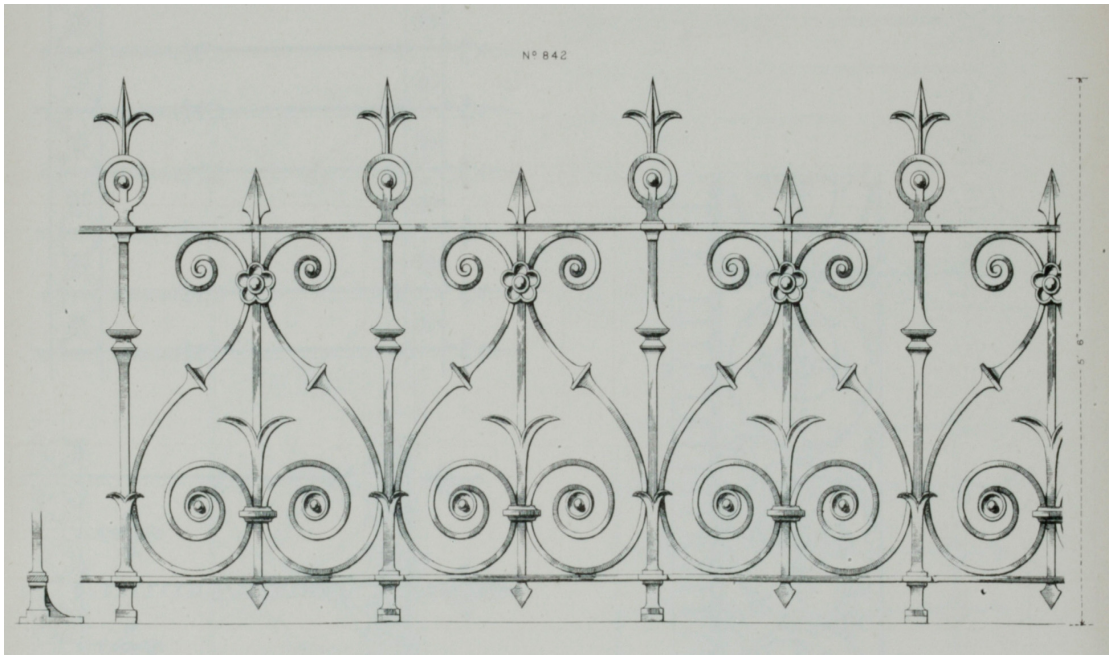


Fig.292: 7th Edition of Macfarlane's Castings (From D Mitchell collection)

The 'fern frond' detail is a common design feature in Saracen work, found in terminals, gates and railings.

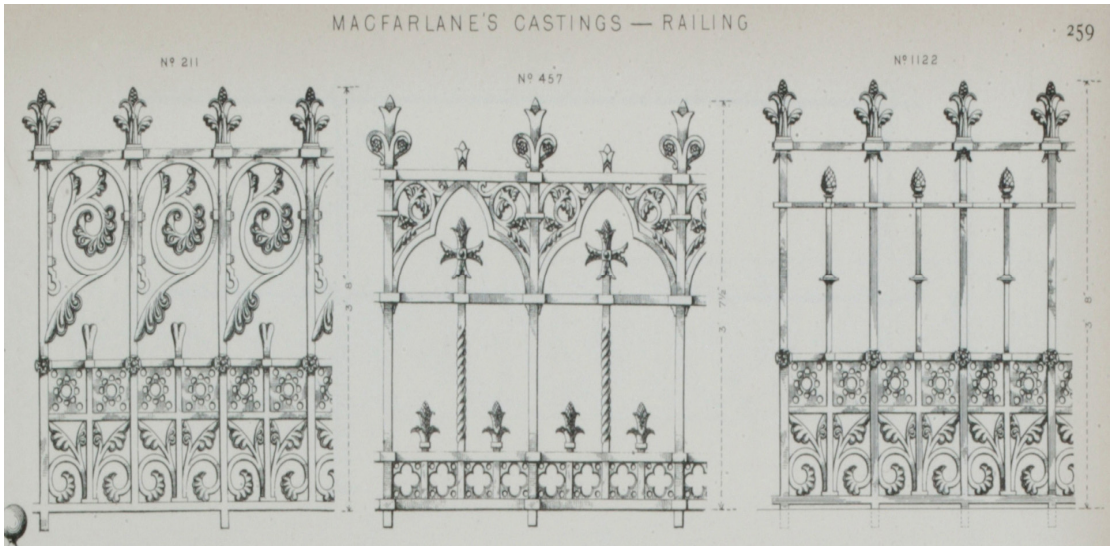


Fig.293: 7th Edition of Macfarlane's Castings (From D Mitchell collection)

Gate designs were made to match railing designs and were predominantly domestically orientated.

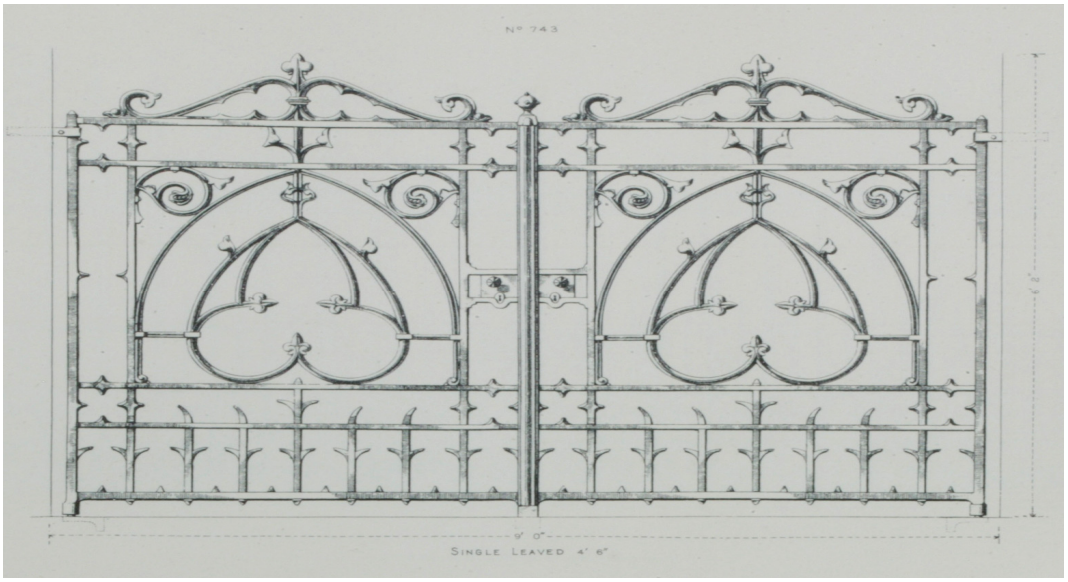


Fig.294: 7th Edition of Macfarlane's Castings (From D Mitchell collection)

Pattern No 743 was popular with a number of examples found in Stornoway in particular.



Fig.295: Gate Pattern No 748 (Image courtesy of Historic Scotland)



Fig.296: Gate Detail No 743 on No 279 Bandstand, Leyton, London (From D Mitchell collection)

Because the manufacture of highly carved or sculptural elements was costly, it is not unusual to find patterns re-used. This gate above contains a panel also used on the stock Bandstand No 279. It is also found in the west end of Glasgow.

Large gates were most commonly found at the entrances to large houses or public spaces such as graveyards and parks.

The Vivary Park examples in Taunton are perhaps the most elaborate in the UK, complete with pillars and gas lamps.



Fig.297: Vivary Park, Taunton
(Image courtesy of The Scottish Ironwork Foundation)

Overmantles spanning piers were available, and these could be adapted to carry lamps. One of the finest examples has survived in Braemar (below) but a larger example was supplied to Oldham (original lost but re-created in 2002).



Fig.298: Braemar Overmantle, No 845
(Photograph by D Mitchell 2008)



Fig.299: Oldham Bowling Green
(Image courtesy of Oldham Archives)

Perhaps the most spectacular gates manufactured by the firm were for San Martin Park, Mendoza, Argentina. Manufactured in 1909 as the grand entrance to the City Park, the town crest and a condor forms part of the overmantle.

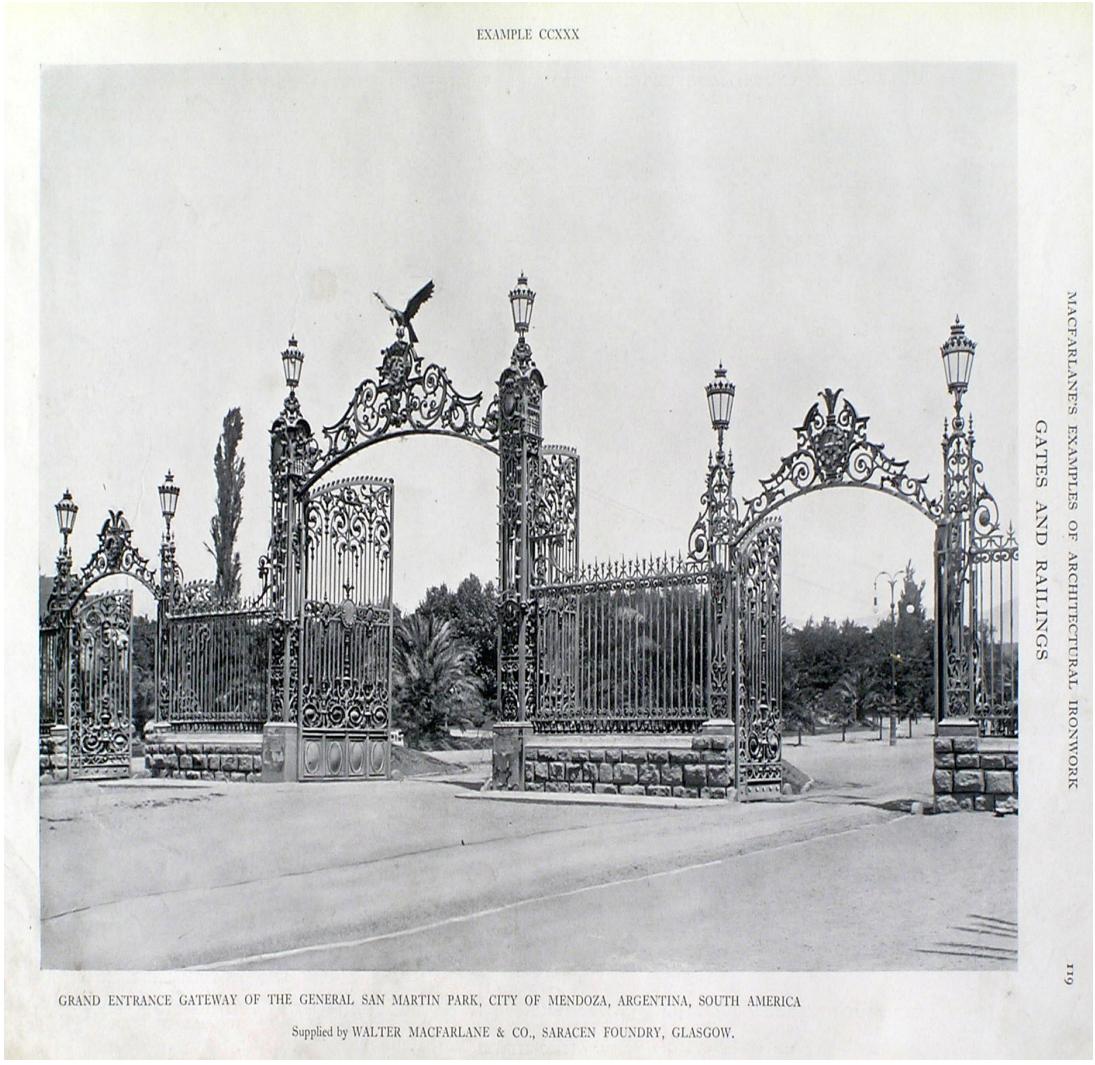


Fig.300: Grand Entrance Gateway of the General, San Martin Park, Mendoza, Argentina (From D Mitchell collection)

Stairs were supplied as spiral assemblies and raked panels and more traditional balusters for supporting handrails. A complex and challenging pattern to manufacture was a double radius design used in theatres in particular.

The spectacular Theatro Jose de Alencar contains both ornamental stairs and balcony castings.





Figs.301&302: Theatro Jose de Alencar, Fotaleza, Brazil (1909)
(The Scottish Ironwork Foundation)
Seats, Urinals, Baths, Closets

Seats and benches were cast for use in schools, factories, churches and ships. These ranged from the fairly utilitarian to the highly ornamental.

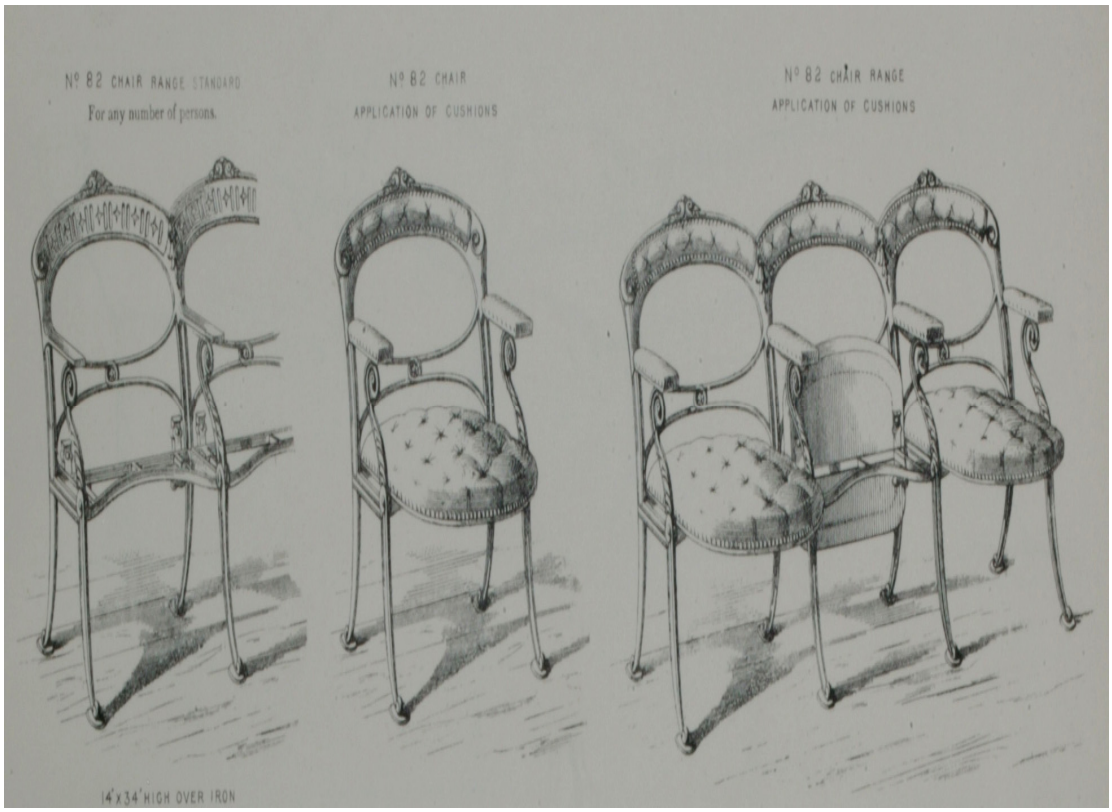
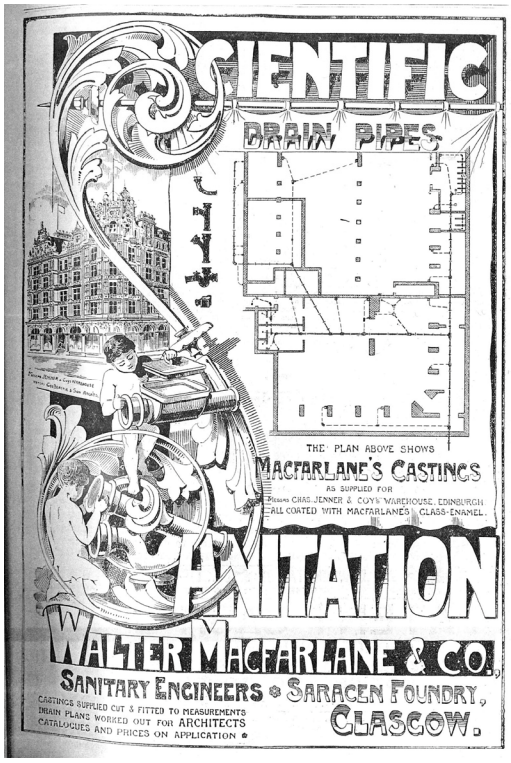


Fig.303: 7th Edition of Macfarlane's Castings

Whilst high value ornamental structures would always be most lucrative, Saracen must have derived a great deal of its turnover from more stock items. The drive for improved sanitation in tenements in particular at the end of the 19th century proved fruitful.





Figs.304&305: Advert from *The Irish Builder*, 26 February 1903 (Left)
Advert Showing Pipework Installation in Jenners, Edinburgh (Right)

Saracen did not promote sanitary ware and baths as core products. It would appear that the predominance of the Falkirk firms, and Carron in particular, meant that Saracen supplied a limited range so they could offer a complete portfolio, but chose not to compete in this marketplace.

In the first 20 years of the firm's operation however, sanitary work was key and Walter Macfarlane Snr clearly saw this as a market opportunity. In 1858 The Sanitary Engineer and Architects Journal described Saracen as:

'having attained considerable celebrity as sanitary engineers, having obtained considerable improvements in the manufacture of cast iron pipes under their patented process.'[64]

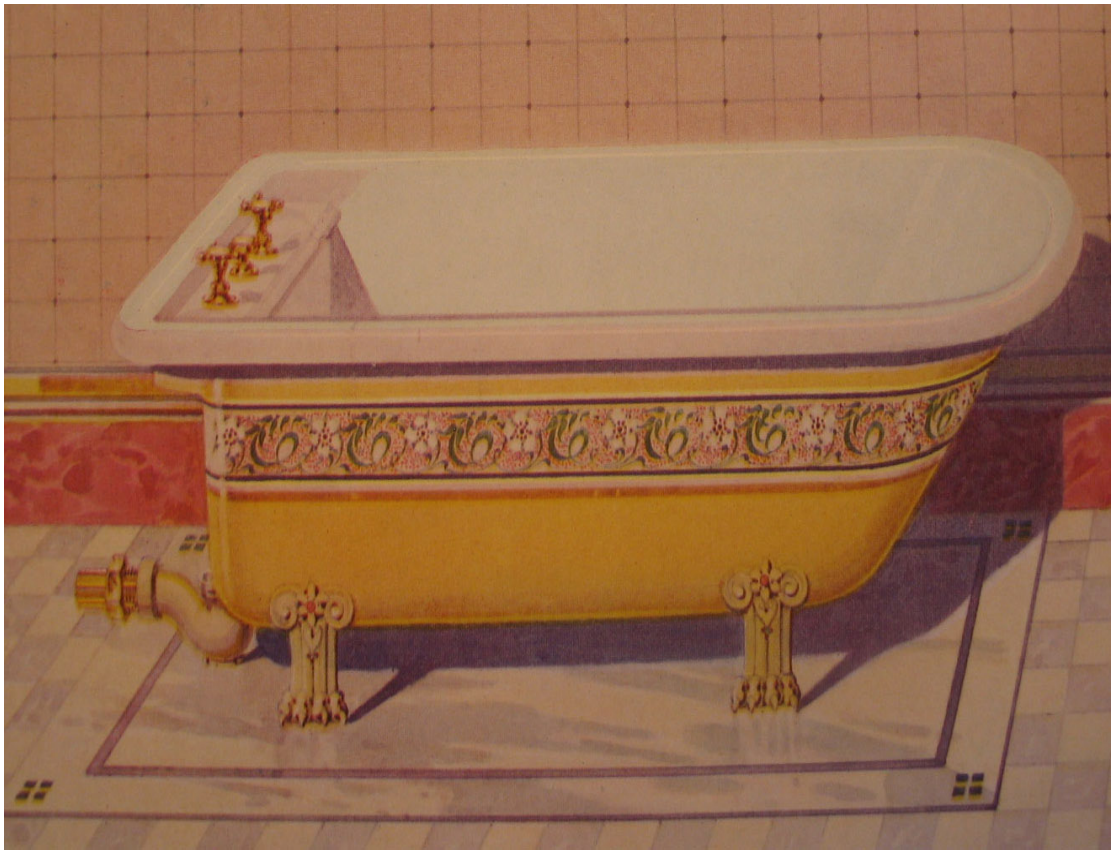
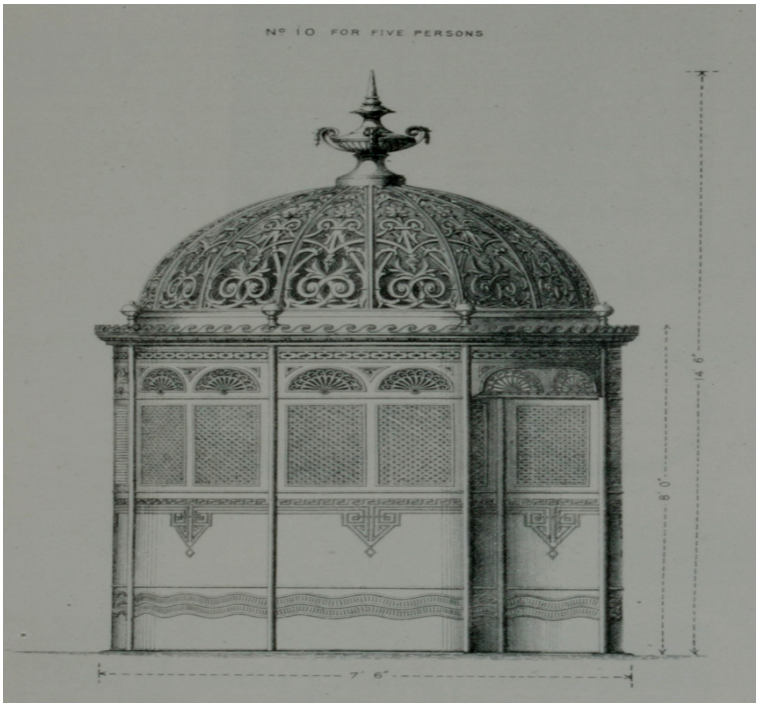


Fig.306: 8th Edition of Macfarlane's Castings (From D Mitchell collection)

Early on, Saracen supplied its patented urinals to the army in large numbers, providing to bases in the UK, Mediterranean and America, and were highly recommended by Army Commissioners in improving hygiene conditions for troops.[65]

Water closets, wash basins and baths were also supplied in large numbers to prisons across the UK from Saracen.[66]

Street urinals were manufactured by Saracen, Sun and Milton. Sun Foundry and Saracen manufactured a cylindrical unit with an ornamental dome which was remarkably similar. Saracen took the roof design from its Drinking Fountain Canopy No 20 and re-used the pattern.





Figs.307&308: Urinal No 10 in the 6th Edition Catalogue and in situ in Bedminster, Bristol (lost)
(The Scottish Ironwork Foundation)

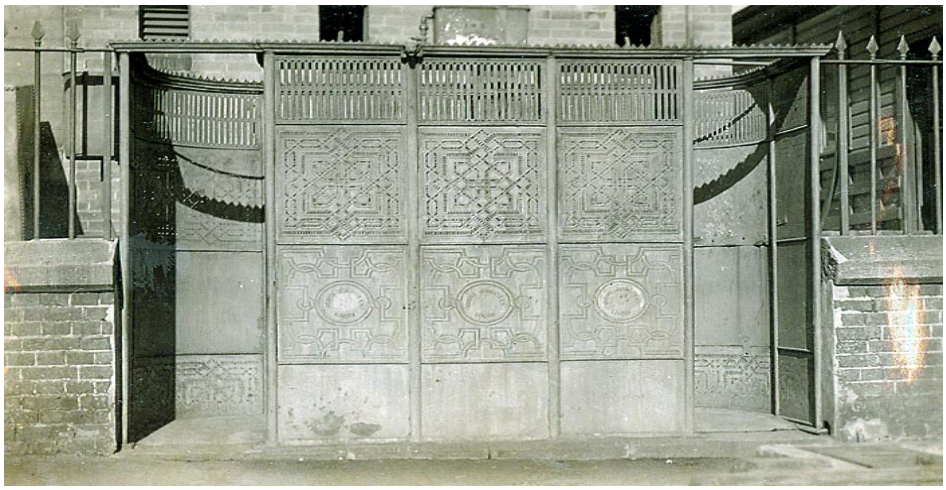


Fig.309: Sydney Example of No 58
(The Scottish Ironwork Foundation)

The urinal ranges were designed to be modular in form so they could be considerably extended. Few of this type remain but they were reasonably common. Those that do exist are usually associated with industrial use and have survived more by accident than intention. One of the best examples is the Walkerburn Urinal in the Scottish Borders (below).



Fig.310: Walkerburn Urinal
(Photograph by D Mitchell 2001)

A 'B' listed structure, it was constructed with an ornamental gutter and animal spouts to discharge water. Like all the Saracen urinals

it has 'Please adjust your dress before leaving' cast into the interior panels.

Drinking Fountains

Saracen differentiated its fountain types as pumps, drinking fountains and ornamental spray fountains.

The temperance movement in the 19th century saw many philanthropists donating drinking fountains to public places. The provision of clean drinking water was of course a key driver.

Early fountains supplied by Saracen were pumps, progressing to increasingly ornamental drinking fountains. One hundred and forty two drinking fountains have been identified worldwide made by Saracen to date.

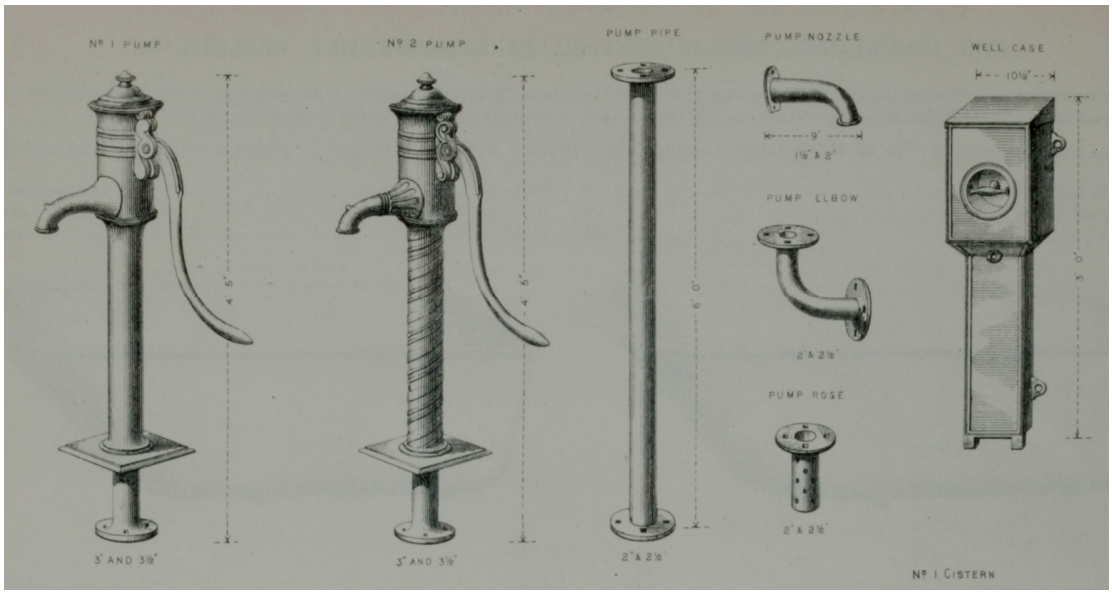


Fig.311: Early Hand Pumps from the 5th Edition of Saracen's Castings (From D Mitchell collection)

MACFARLANE'S PATENT.

PUMP FOUNTAIN FOR PUBLIC PARKS, &c.

Fig. 24.



Complete, fitted with copper chamber and buckets,.....£6 0 0.

Fig.312: Fountain from 3rd Edition of Macfarlane's Castings (From D Mitchell collection)

Unusually for Saracen they re-numbered their early decorative fountains from the 3rd to the 5th and 6th Edition of the catalogues. This version of Pattern No 4 did not survive and there are no known examples.

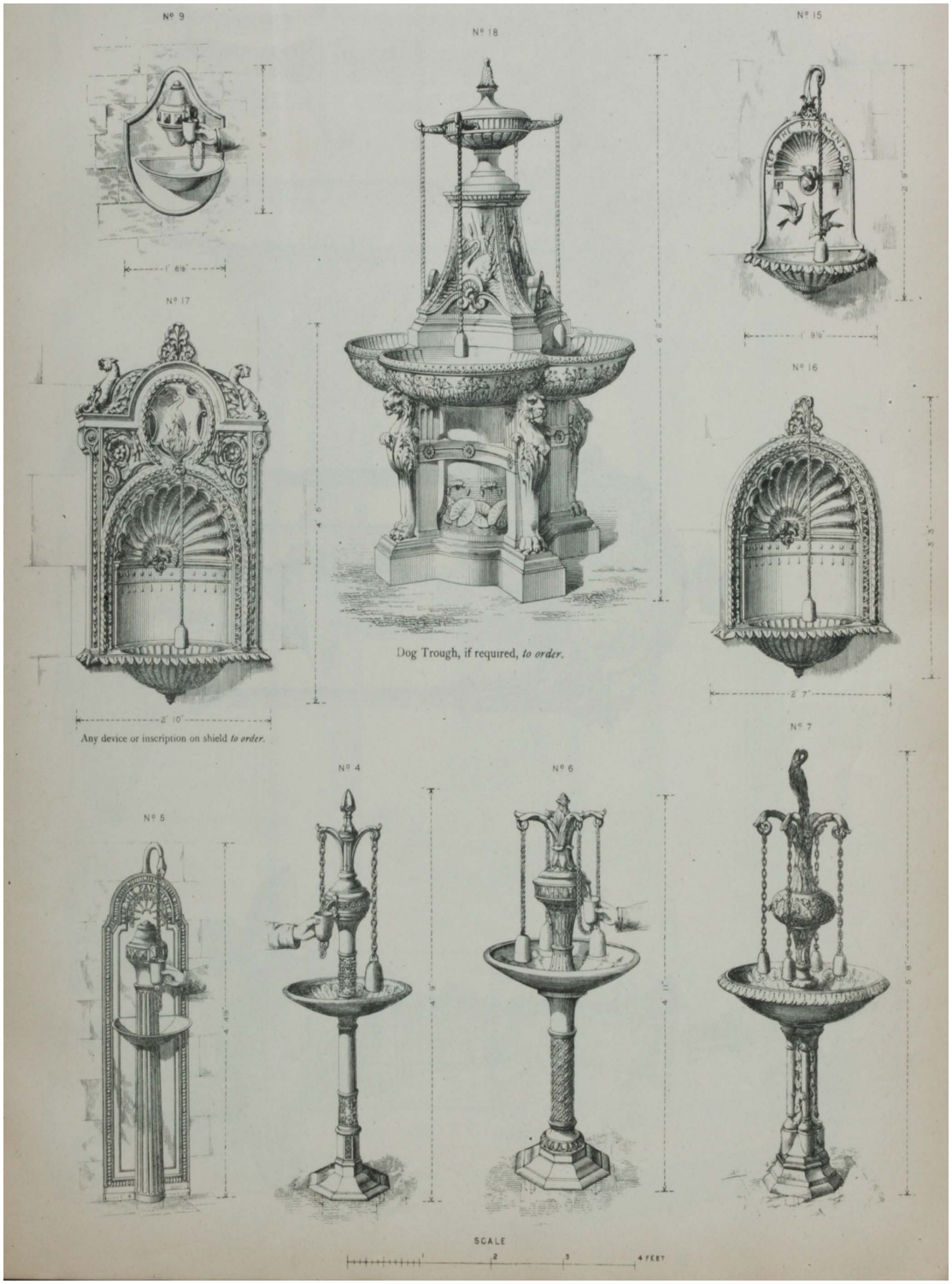


Fig.313: Drinking Fountains
From 7th Edition of Macfarlane's Castings
(From D Mitchell collection)

Fountains, both drinking and spray, are particularly suited to the use of patterns in different ways. The image overleaf shows variations using similar patterns. The face plate shown in No 17

above was primarily used for a drinking fountain canopy, but also for a support for a wash hand basin.

The cups were bronze, as was the chain so that it did not rust. Such fountains were and remain located in railway stations, civic squares and graveyards. They are often found with a plaque provided by the foundry noting the benefactor. The large freestanding No 18 drinking fountain was made to sit within the spectacular fountain canopy, but also was sold with a wide variety of columns and lamp pillars.

An unusual Italian example is to be found in San Valentino, Italy complete with a statue of Samson on top of the pillar. Italy has a strong iron founding tradition so it is unusual to find such examples. A similar example is found in Haddington.



Fig.314: San Valentino Drinking Fountain
(Courtesy of the Italian Museum of Cast Iron)

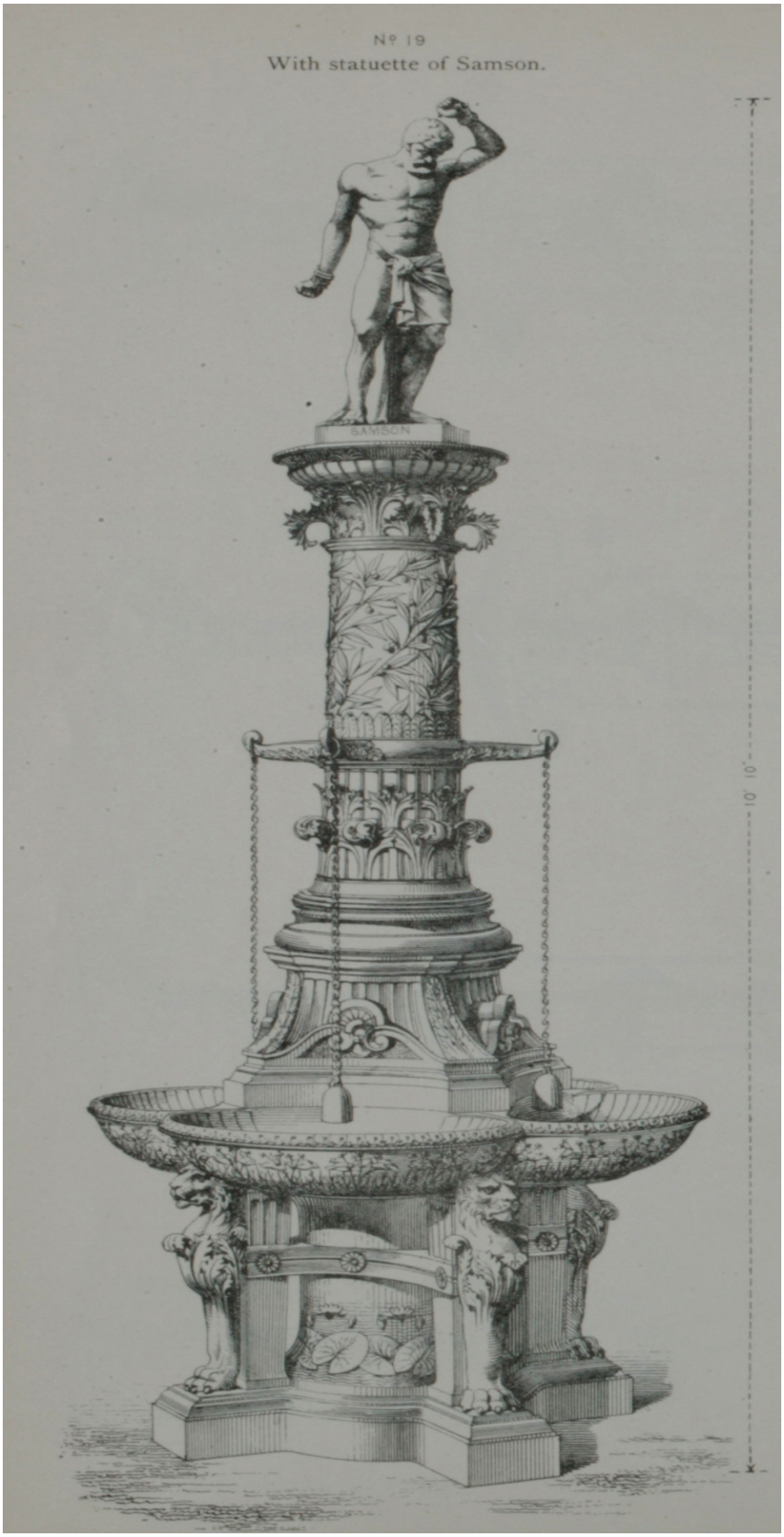


Fig.315: Fountain No 19 with Samson Statue
(Image courtesy of the Italian Museum of Cast Iron)

The version erected in Wallasey in 1900 (now lost) is particularly bizarre. Springing from the drinking fountain is a large lamp standard somewhat out of proportion.



Fig.316: Electric Lamp Pillar with Drinking Fountain, Wallasey Promenade (From D Mitchell collection)

One of the structures that Saracen is particularly known for is the drinking fountain canopy. Manufactured in three types, No 8 measured 9'6", No 21 measured 12 feet, and No 20 reached 18 feet high.

The smaller drinking fountain canopy type was made by Milton, Sun and Elmbank Foundries, but only the Saracen version had a fretted roof. At the 1851 Great Exhibition, the central exhibit of the Coalbrookdale Company was the 'specimen of an ornamental structure in cast iron.' Coalbrookdale never put this structure into production – it was intended to demonstrate the potential beauty

and aesthetics of the material – but one wonders if it influenced iron founders in Scotland?

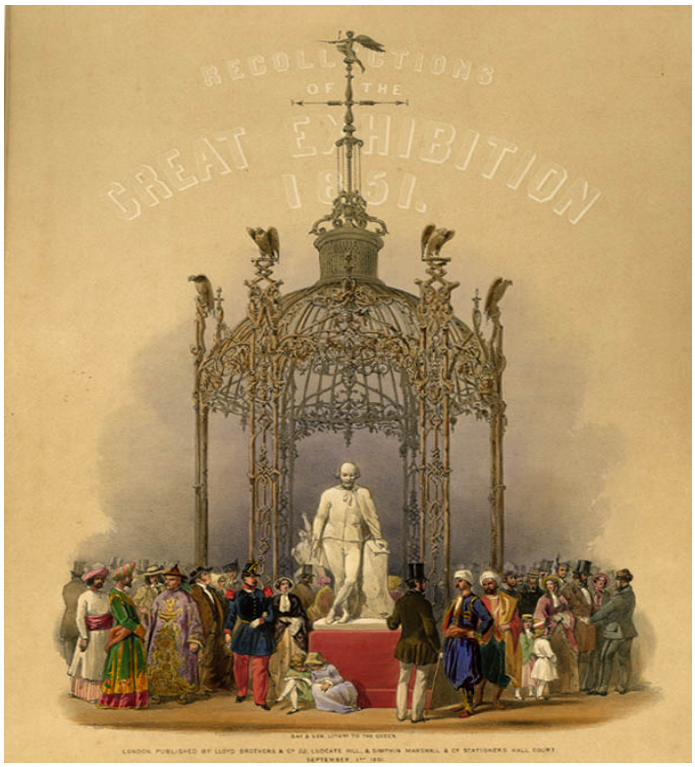


Fig.317: Coalbrookdale Canopy for 1851 Exhibition (Ironbridge Archives)

The Illustrated London News described it as:

'one of the most pretentious works in the building...an absolutely inexcusable piece of bad taste.'[67]

Perhaps, but that was to entirely miss the point. This was an expression of what could be done technically in cast iron by master craftsmen – something which would have appealed to Walter Macfarlane certainly.

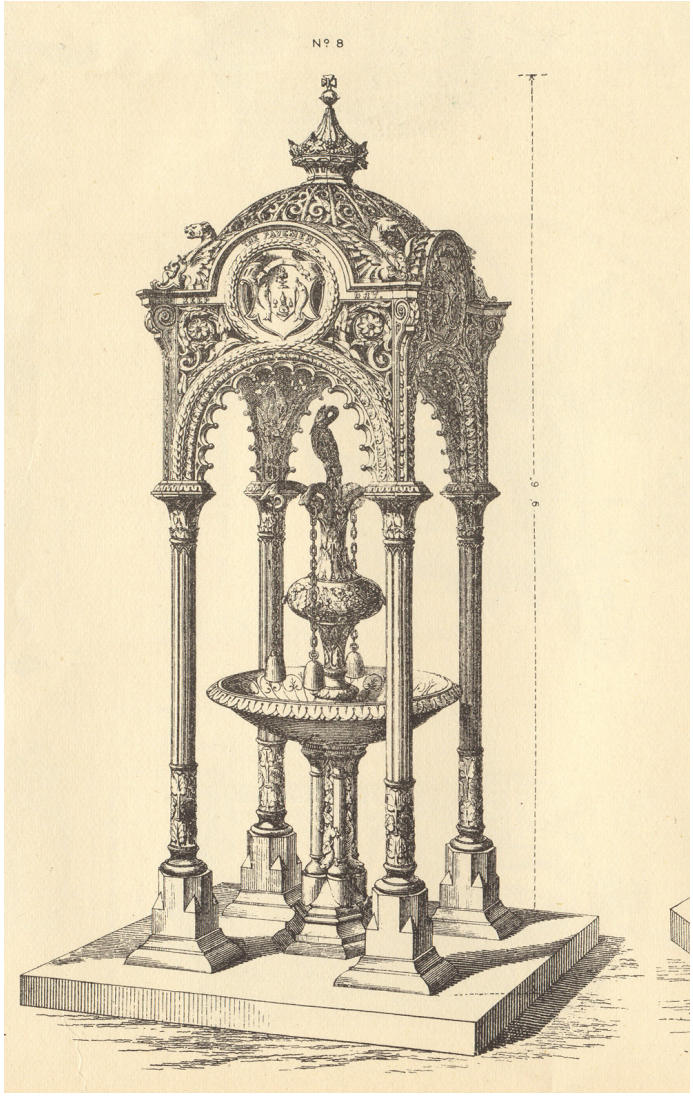


Fig.318: Saracen Fountain, From the 6th Edition of Macfarlane's Castings
Note Lower Skirt Now Removed in Design from Earlier Example in Fig.319
(From D Mitchell collection)

The design and execution of these fountains is of the highest quality. The engineering design to allow the component parts to fit together following casting is challenging, and gets progressively more difficult as the canopies get larger. Cross referencing catalogues and archival references suggest this fountain canopy was introduced in 1861.

Variations in plaques were common, the stock item showing a heron. City crests and a dedication plaque were usually commissioned. Earlier examples had a plinth cast into the base to

stop water splashing but this was later re-designed. The example below was erected by Saracen at the location of the first foundry in Saracen Lane, Gallowgate. Unfortunately it has been lost.



Fig.319: Saracen Fountain, Saracen Lane, Glasgow (Image courtesy of Glasgow School of Art Archives)

This design is widely found across the UK and overseas examples have been found in Australia, India, Jamaica and South Africa. The four face plates sit into the column head with a corbel cover plate to hide the join. In this example the roof is cast in one piece, secured to the top of the fascia panels. The four plaques and gargoyles are separate, as is the terminal.

The Art Journal promoted that the significant increase in erection of public drinking fountains should combine function and ornamentation and that:

'beauty is generally cheaper than deformity in Art manufactures.'

In an assessment of the No 8 Canopy, they record that several of this patented design by Macfarlane have been erected in recent months (and note that the act of patenting such a thing is in itself unusual) and that the design and construction were to be congratulated, particularly in that 'the dumb animal had not been forgotten' and that a dog bowl had been incorporated.[68]

Pattern No 21 uses the same columns and face plates as Pattern No 8 and would appear to have been a design extension of the smaller example. An eight–sided canopy, the gargoyles, plaques and terminal are also those from the No 8.

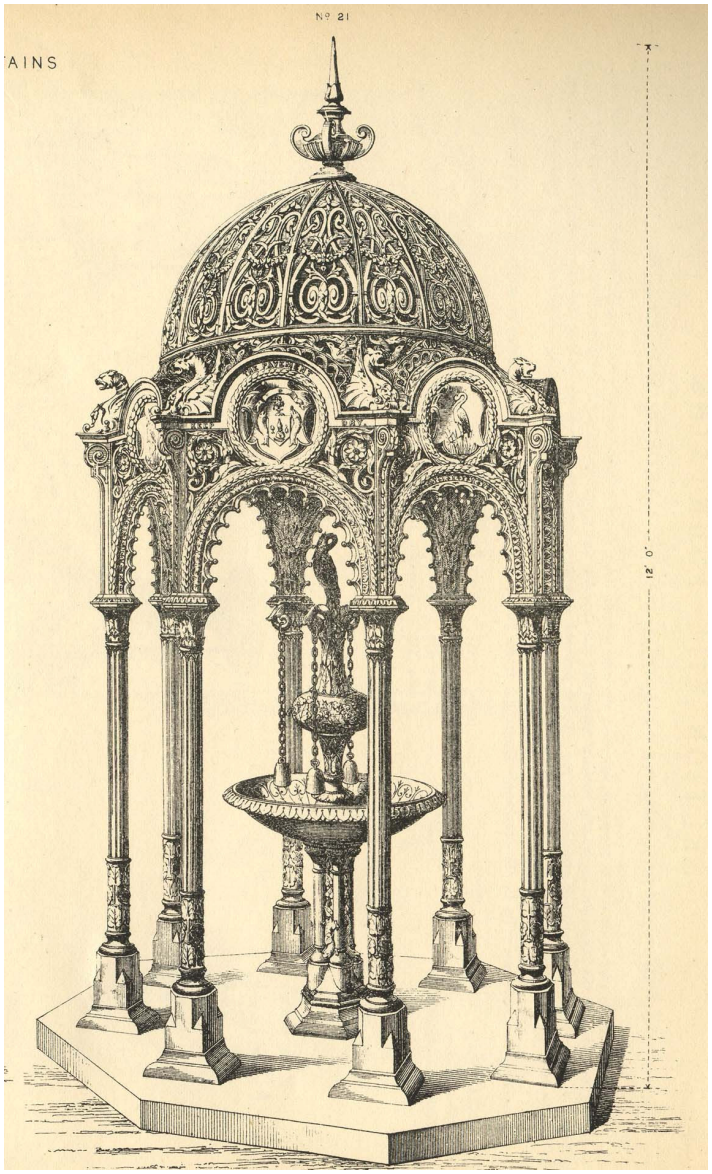


Fig.320: Pattern No 21, 6th Edition
(From D Mitchell collection)

The roof on this canopy was cast in four sections with overlapping joints. Six of these canopies were gifted to the Corporation of Cardiff in 1908, with only one (Victoria Park) remaining. This model did not sell as well overseas and the majority of examples are to be found in the UK and Ireland.

The largest canopy was No 20, and at 18 feet high is of considerable scale.

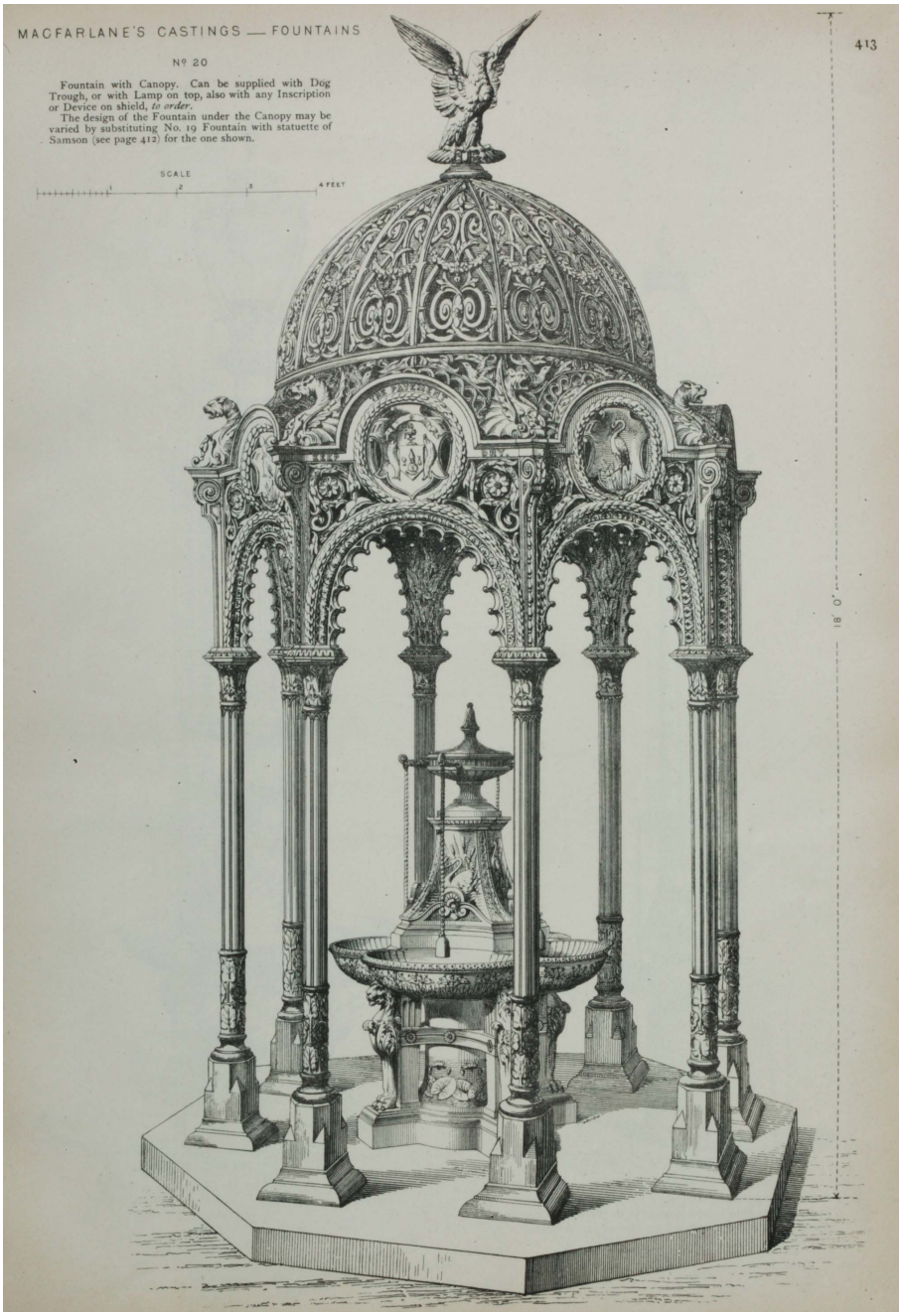


Fig.321: Fountain Canopy No 20 from 6th Edition of Macfarlane's Castings (From D Mitchell collection)

This structure was a masterpiece. None of the other architectural founders made anything like this and one has to wonder if Saracen did it for exactly that reason. The design follows the smaller examples stylistically although the scale means that none of the other patterns are re-useable. The author was involved in re-creating one of these structures to replace one lost through terrorism in Dun Laoghaire in 2001. The manufacture of the roof

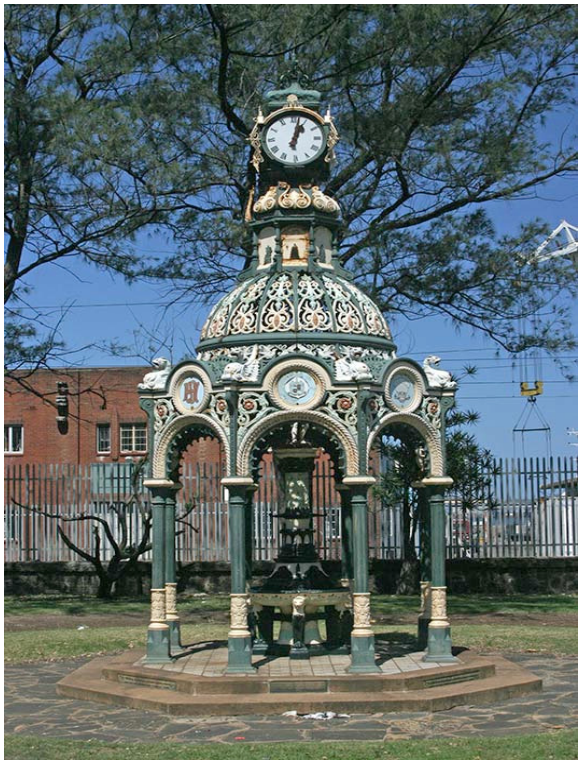
panels were particularly demanding due to the double radius, upper and lower dome sections, and the lightness of the structure creating challenges in moulding and casting. Fountain No 19 was generally sold with it.



Fig.322: Pattern for Lower Dome Casting for Replica Canopy for Dun Laoghaire Harbour Board (Courtesy of Heritage Engineering 2001) Note the Black Lines on the Pattern to Indicate How it Comes Apart after Moulding

The Baillie Martin Fountain on Glasgow Green matches that in the catalogue. The Fraserburgh example has an emu for a terminal, the Rutherglen example had a royal crown on top (as did Dun Laoghaire) and a bust of Queen Victoria sitting on top of the internal drinking fountain.

The Rothesay example (lost) and the March, Cambridge example had a lantern on top instead of a terminal and the Da Gama Fountain in Durban has a fairly spectacular clocktower installed.





Figs.323&324: Da Gama Fountain, Durban
(Image courtesy of Mr Allan Jackson, 2003)

Ornamental Spray Fountains

The ornamental spray fountains manufactured by Saracen never appear in the stock Macfarlane's Castings catalogues unless as example projects. A special Fountain catalogue was produced and the Fountain projects feature in some of the examples books.

For a period Saracen had stiff competition in spray fountains from Sun Foundry, although Sun tended to have a large number of variations based on a very few patterns.

'No ornamental adjunct to a public park, square or garden gives the artistic result that a fountain achieves. The play of light and sound given by the falling water, the architectural lines softened here and there by some appropriate ornament or sculptured figure, and framed by a fine background of shrubs or a noble building, gives a satisfying whole.'[69]

The smallest spray fountain included the Brechin example, which oddly seems to have doubled as a drinking fountain.



Fig.325: Brechin Fountain
(Photograph by D Mitchell 2004)

Larger examples were erected in Ward Jackson Park, Hartlepool, outside the Raffles Hotel in Singapore and Trecynon, Wales.



Fig.326: Ward Jackson Park, Hartlepool (1902)
(The Scottish Ironwork Foundation)



Fig.327: Aberdare Park, Trecynon (1911)
(The Scottish Ironwork Foundation)

Two spray fountains stand out for the firm. For the 1901 Empire Exhibition in Glasgow, Saracen Foundry gifted the 'Saracen Fountain'. With figures depicting Art, Science, Literature and Commerce and cast panels of the zodiac, the fountain took a prominent place.

The statues were sculpted by David W Stevenson (1842-1904), his largest commission.



Fig.328: Saracen Fountain, 1901 Exhibition (From D Mitchell collection)



Fig.329: Saracen Fountain at the 1901 Glasgow Exhibition (Image courtesy of SCRAN)

The Fountain was offered to the city to purchase on the closure of the Exhibition by Walter Macfarlane Jnr, but the offer was declined by the Town Clerk at the price suggested. Macfarlane eventually offered the Fountain as a gift in 1902 but it remained on the site until as late as 1912. Macfarlane agreed to relocate the fountain and erect it for £150 and it was re-erected in Alexandra Park. The original colour scheme was blue and gold.[70]

Replicas of the fountain were subsequently made for Warrington and in the Sammy Marks Zoological Gardens, Pretoria. The Warrington version was given up for the war effort in 1942 with a silver replica being made for the town's silver collection.



**Fig.330: Sammy Marks Fountain,
Zoological Gardens, Pretoria
(The Scottish Ironwork Foundation)**

The second important fountain the firm produced is the St Georges Park, Port Elizabeth Fountain. Little known outside of the area this is a unique structure - more of a memorial than a fountain, but nevertheless impressive.



Fig.331: St Georges Park Memorial 1907
(Courtesy of Ivor Markman)

Erected in 1907, the memorial sits at the top of a reservoir and is a military memorial.



Fig.332: St Georges Park Memorial
Postcard from 1910
(From D Mitchell collection)

The image shown on Figure 332 shows the structure in 1910 with its original colour scheme. It appears to have been 'bronzed'. This technique involves heating the cast iron and applying finely ground

bronze powder in beeswax. It gives the impression of a bronze monument rather than cast iron. The statue looks to have been patinated to give the appearance of patinated statuary bronze.



Fig.333: Interior View of the St Georges Park Memorial (Courtesy of Ivor Markman)

The interior illustrates a fairly standard form of cast iron panel construction as internally the major panels are flanges and bolted together. This is a typical constructional detail for cast iron buildings and fountains.

Both sets of figures commissioned for the fountains were subsequently included in the Macfarlane's Examples catalogue.

Lamps, Brackets, Columns, Enrichments, Windows

The 3rd Edition of the catalogue carried an illustration of their sole offering in this department. It is very plain with little in the way of decorative carved detail.

Fig. 32.



Fig.334: Lamp and Standard, 3rd Edition Catalogue (From D Mitchell collection)

Saracen took advantage of the desire to light urban areas first in gas and then electric. Many of the other architectural iron founders also pursued this market. Standards were available in different designs and sizes. Smaller lamps to sit on top of gate piers, bridges or houses were available. Many of the Saracen standards, particularly those intended for bridges, took their inspiration from French bronze designs.

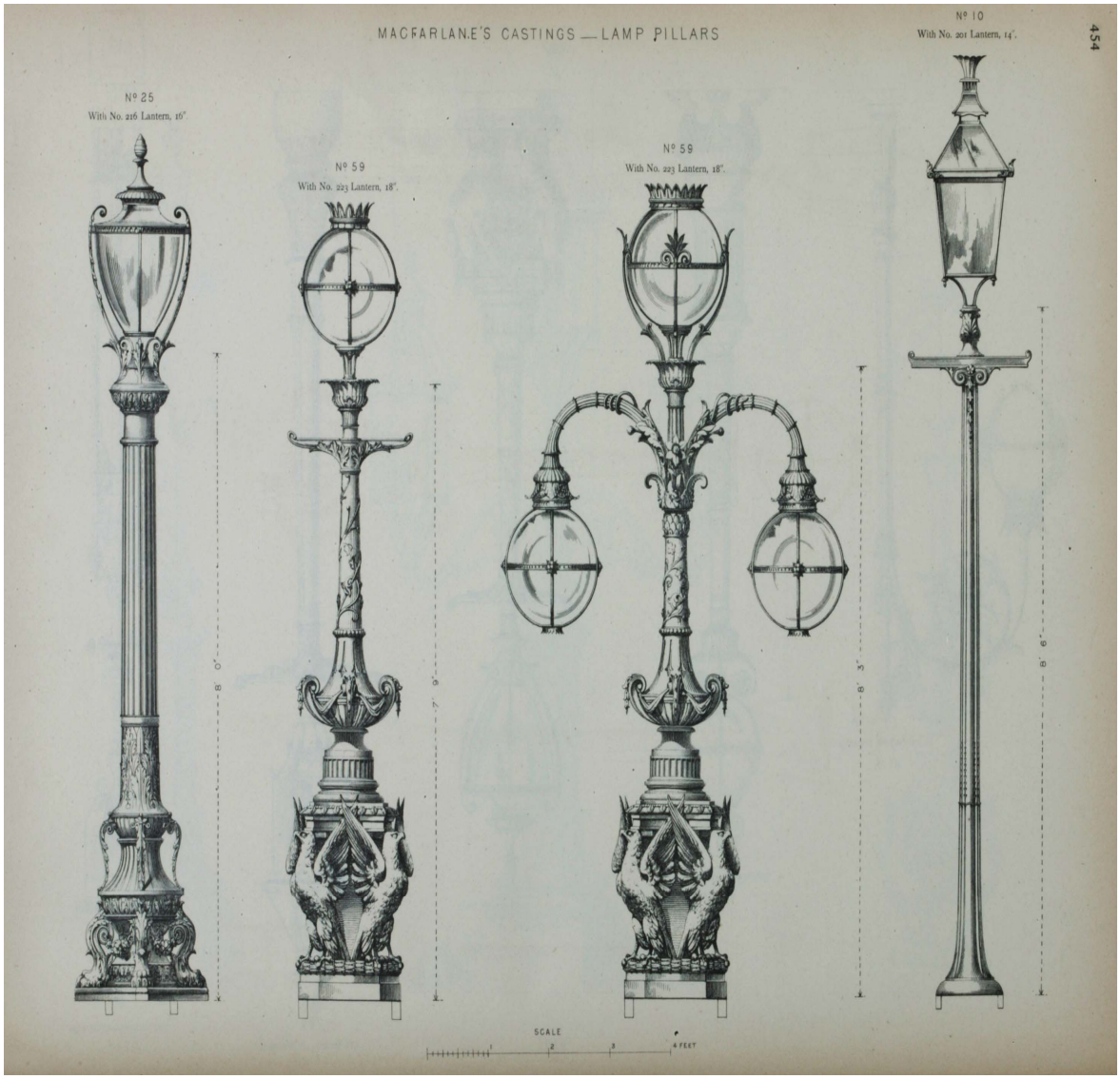
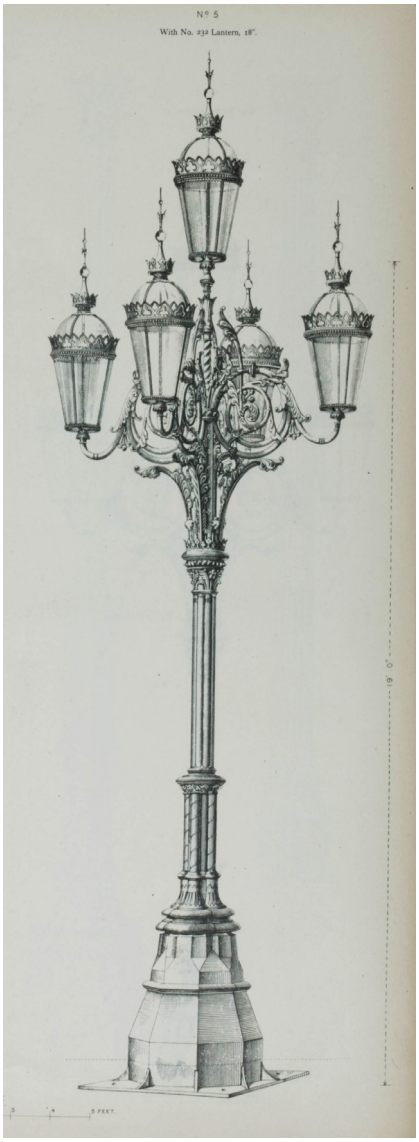


Fig.335: From Macfarlane's Castings, 6th Edition (From D Mitchell collection)

Larger municipal lamp standards were supplied with the town crest cast into the door element – these were supplied to both Glasgow and Stirling Councils.

Patterns No 4, 5 and 122 are perhaps the most dramatic.





Figs.336&337: Holburn Lamp Pillar, No 5
(From D Mitchell collection)

The Holburn example (above) was designed by the architect Charles Driver (1832-1900). Driver was an architect who had a close connection with Saracen over many years.

The largest lamp pillar manufactured by Saracen was No 122 at 24’ 6”. One of the few photographs existing of the foundry shows Walter Macfarlane Jnr in the rear yard at Possilpark in front of a lamp pillar.





Figs.338&339: Pattern No 122 at Possilpark and Installed in Southwark (From *The Builder*)
Note that Macfarlane Seems to Appear in *'The Builder'* Illustration

One was erected in Southwark, London (now lost) which acted also as an underground ventilator.

Notable projects supplied by Saracen included forty large two and three arm pillars for the Mohammed Aly Barrages at Qantir near Cairo in 1937. Lamp standards (No 32), designed by Alexander Thomson for Egyptian Halls in Glasgow, were subsequently used at the Mitchell Library (formerly the St Andrew's Halls), Kelvinside Academy and Aberdeen Central Library.



Fig.340: No 32 Lamp Standards, Aberdeen Central Library (From The Scottish Ironwork Foundation)

Columns of course were multi functional items which could be used in a wide variety of structural applications, including buildings, walkways, canopies, bandstands and shelters.

Spandrel brackets were designed to be used in conjunction with a two, three or four way spandrel post. The spandrel post slotted into the column head and the spandrel brackets either bolted onto the post or slid into a tapering groove.

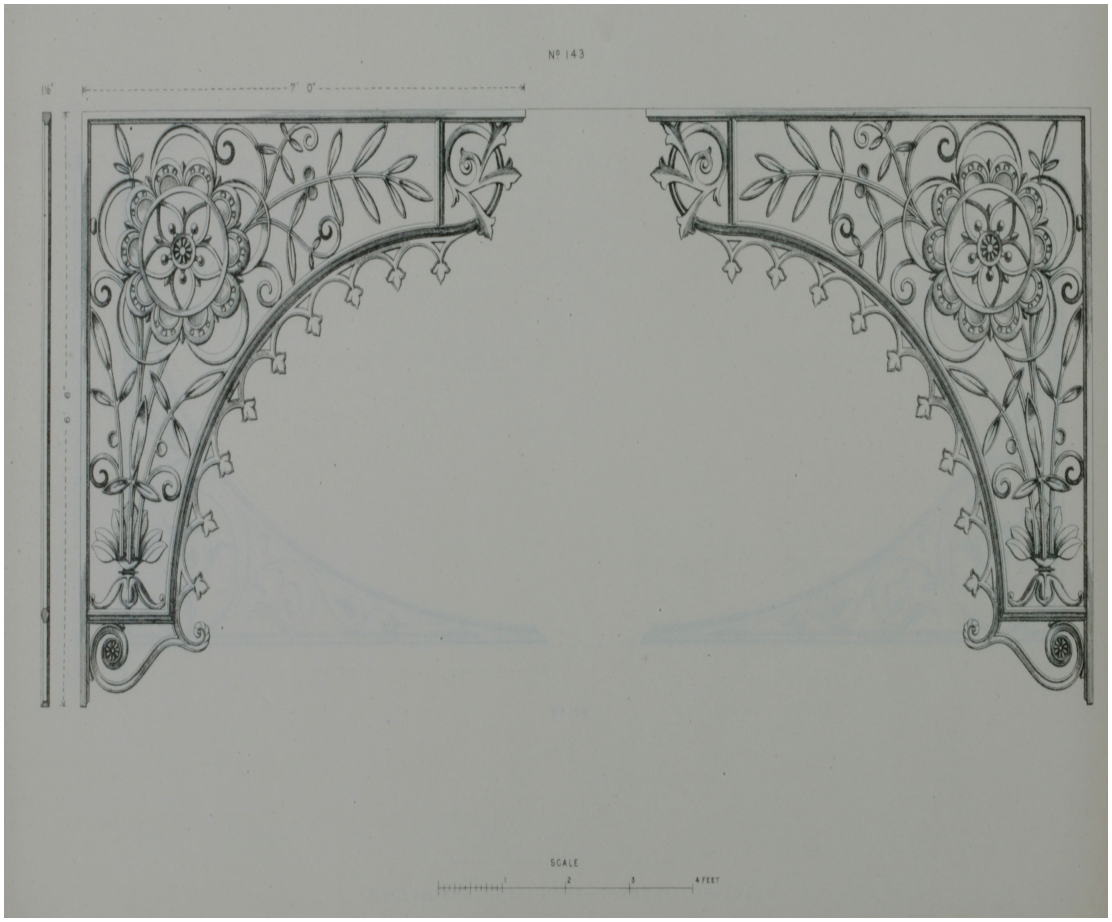


Fig.341: Spandrels - From 7th Edition of Macfarlane's Castings
(From D Mitchell collection)

Modifications to the patterns allowed left and right handed spandrels to be brought together (Figure 342) to form an arch.

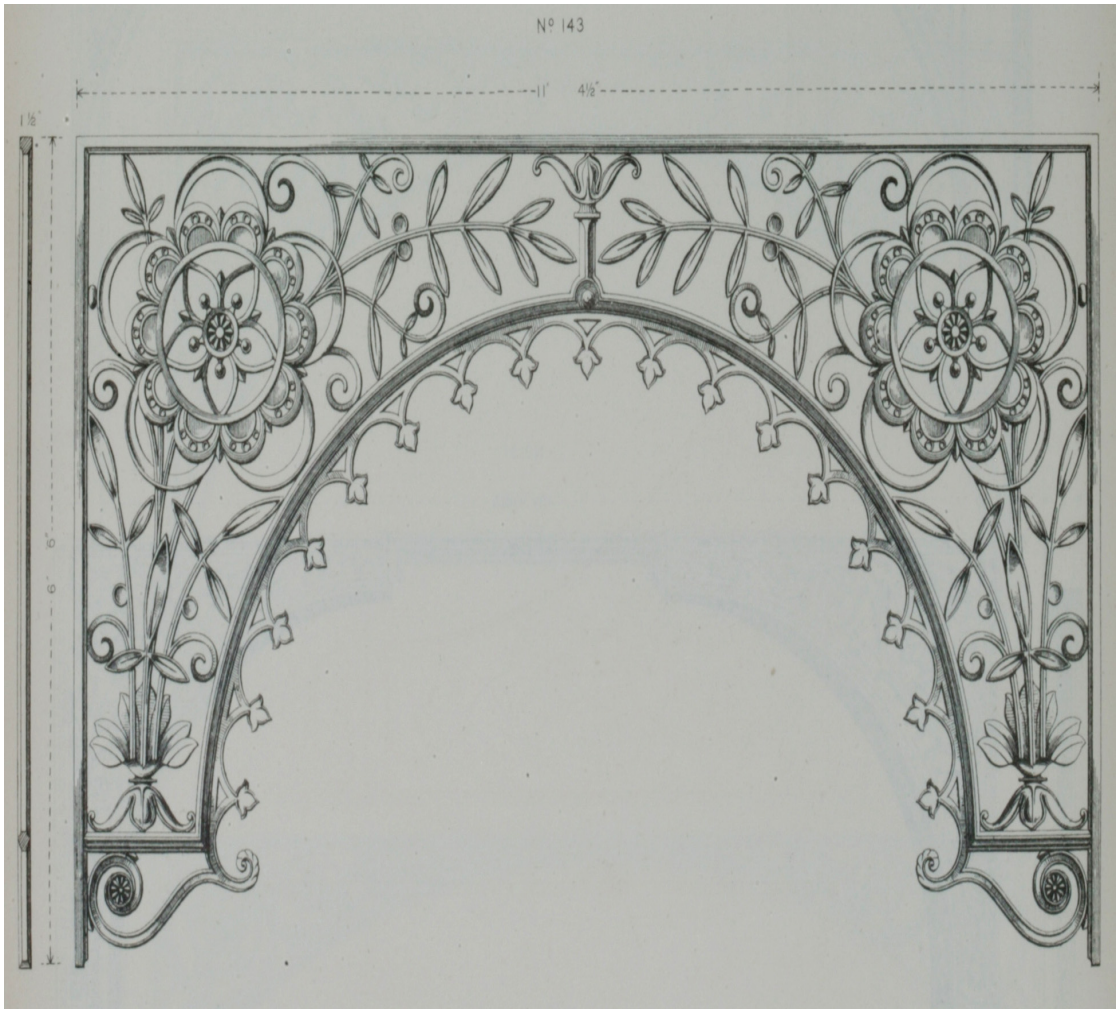


Fig.342: Spandrels - From 7th Edition of Macfarlane's Castings
(From D Mitchell collection)

Columns, spandrels and structural beams could be brought together to create decorative structural elements. Grills and facings were provided to cover the 'I' beam to create an entirely cast iron appearance.

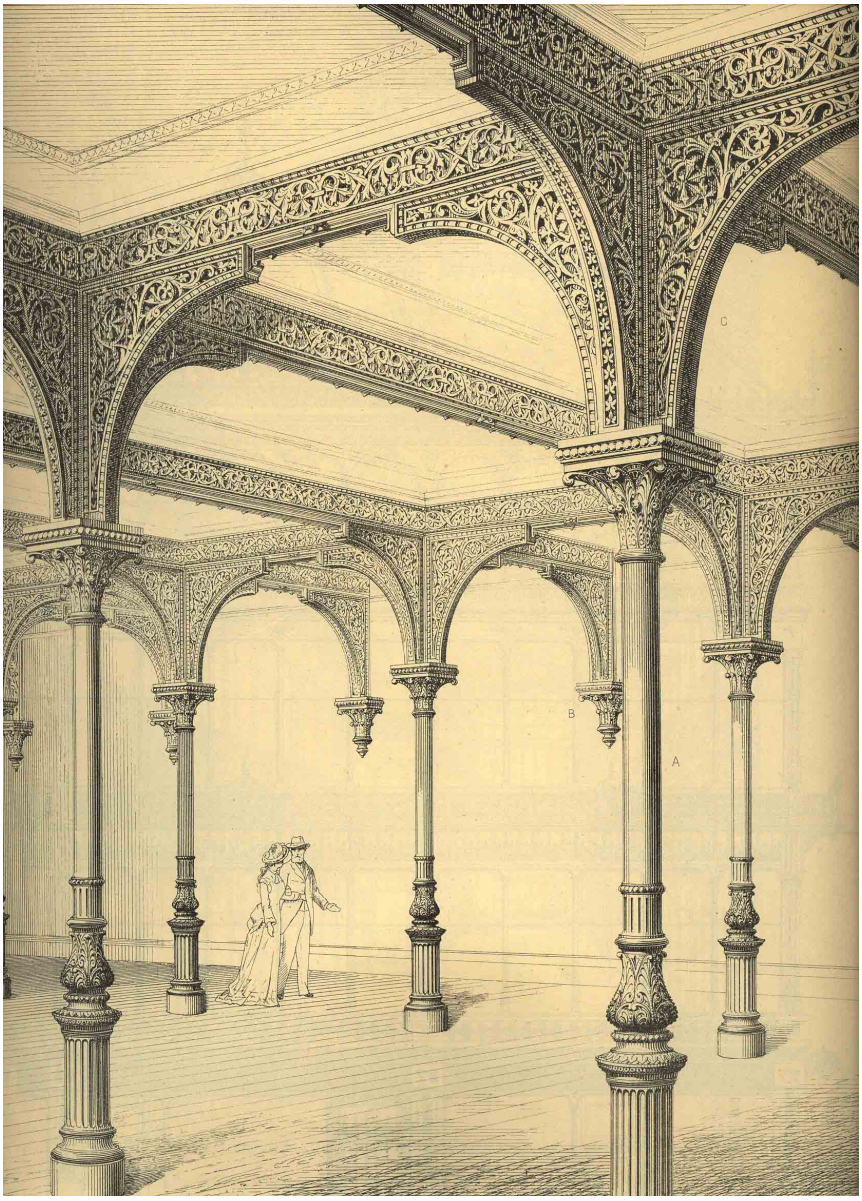


**Fig.343: Columns and Spandrels Brought Together –
From 6th Edition of Macfarlane's Castings
(From D Mitchell collection)**

A trademark Saracen item was the development of cast iron for use as glazing bars. Many firms had manufactured cast iron sashes, but none had created more decorative forms. Saracen developed the principle of the 'scalloped glazing unit'. The image which follows shows an entrance canopy being restored after being demolished by a lorry. The casting is made up of a unit of three 'scallops' which have a male into female joint.



Fig.344: Canopy Using Scalloped Glazing Unit
(Image courtesy of Heritage Engineering)

The castings are designed so that they can be glazed with flat panels to give the impression of curved glass. This design was peculiar to Saracen and worked on small or large scale roof structures.

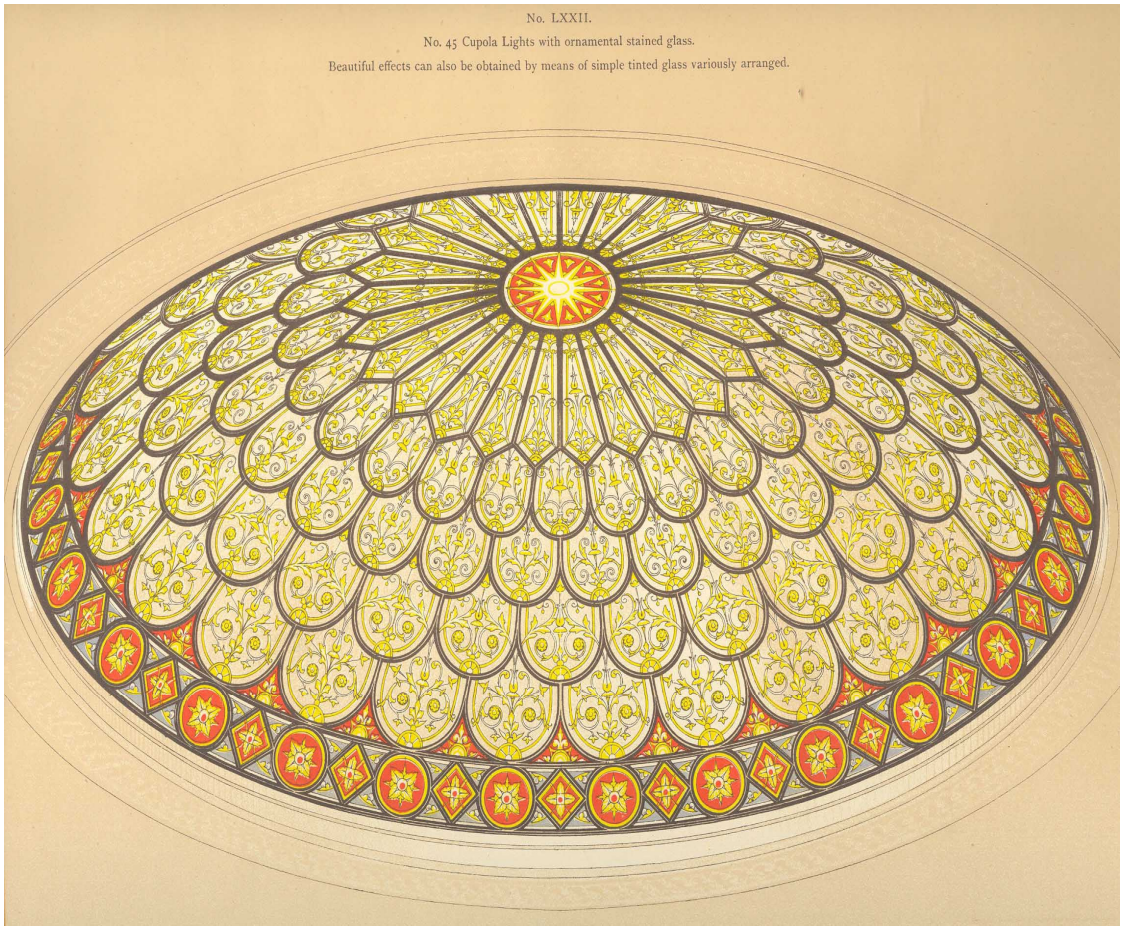


Fig.345: Glazed Cupola
From 6th Edition of Macfarlane's Castings
(From D Mitchell collection)

Saracen used stained and coloured glass in their structures to great effect. Large structures such as shopping malls were shipped to the far corners of the globe, complete with glass.

Structures

Saracen manufactured a range of larger structures. Some like bandstands and shelters were a combination of stock items and commissioned items, buildings tended to be commissioned works, but the components would subsequently be found in catalogues.

Bandstands and Shelters

To date, 102 bandstands have been identified that were made by Saracen. The constructional approach remained fairly consistent in each although some of the roof materials changed through time. All components were cast iron except for very late examples which used wrought iron or steel. The columns supported a timber ring beam, and either the column head or the spandrel post was designed to securely accept the timber.



Fig.346: Timber Ring Beam Sitting on Top Column, No 249 Seisdon 1999
(Courtesy of Heritage Engineering)

Each column also supported a timber joist which came together in a cast iron spider in the middle of the bandstand. The roof of the bandstand acts as a sound board – to reflect the sound down and out, but also provides reverberation in a similar manner to a drum shell. These were made in timber tongue and groove. From the spider a tie rod rises to the apex of the roof where it meets the

rafter rising from the column head. Some of these were made in timber, some in iron. Those with shaped or profiled roofs tended to be made in angle iron which could be rolled to give the desired profile.



Fig.347: Spider and Tie Rod, No 249
Seisdon 1999
(Courtesy of Heritage Engineering)

Some bandstands were fitted with sarking. The roofing material, often mistaken as lead, was almost always zinc sheet which provided a grey appearance without the weight disadvantage. A very few were fitted with steel sheet, such as the Stair Park No 279 example in Stranraer, but this was unusual. Terminals and finials were often interchangeable, and a dedication plaque mounted on the ogee gutters was common. Early examples ran the drainage from the roof into the top of two opposite columns. This drained out into the plinth but it was quickly realised this was a maintenance issue when they became blocked, and worse still if they froze and created stress fractures.

The earliest known example erected by Saracen was in Priory Park, Great Malvern and was type No 249.

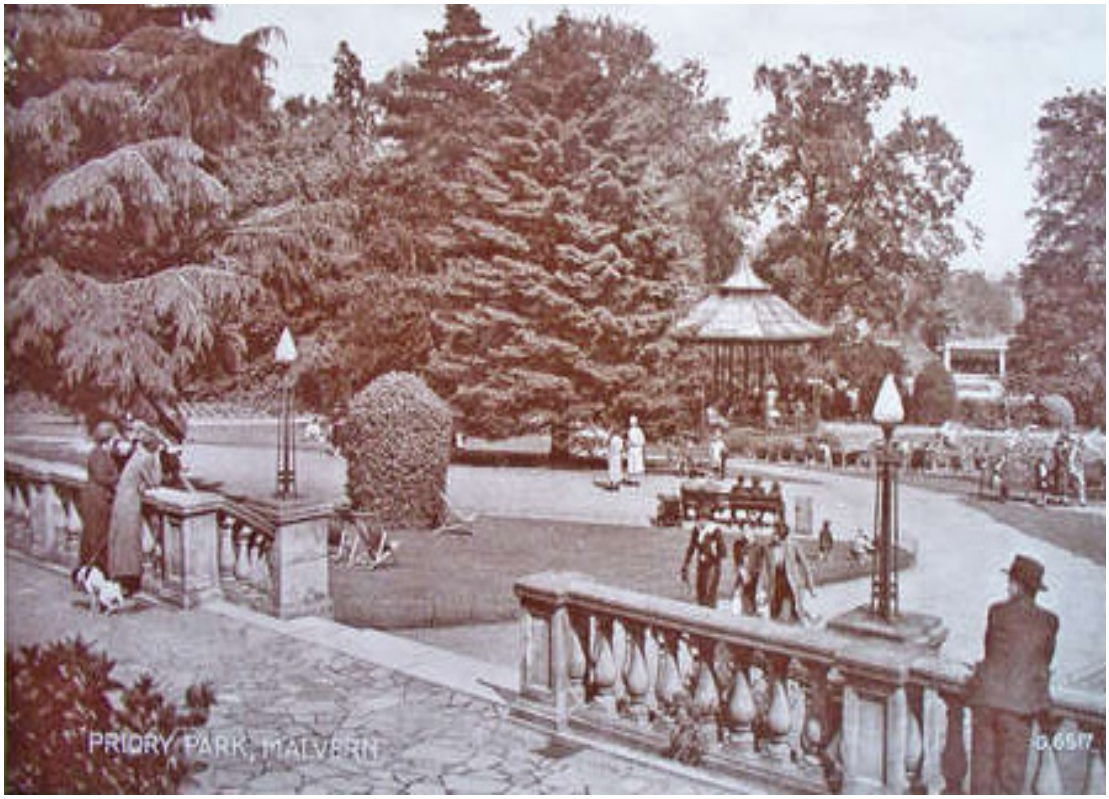


Fig.348: No 249, Priory Park, Great Malvern (1875)
(The Scottish Ironwork Foundation)

Type 249 had an unusual spandrel configuration that extended between columns. The example erected by Saracen for the 1886 Exhibition in Edinburgh was dismantled and sold to Ilfracombe where it stood until it was sold to a private individual in Seisdon in 1970.

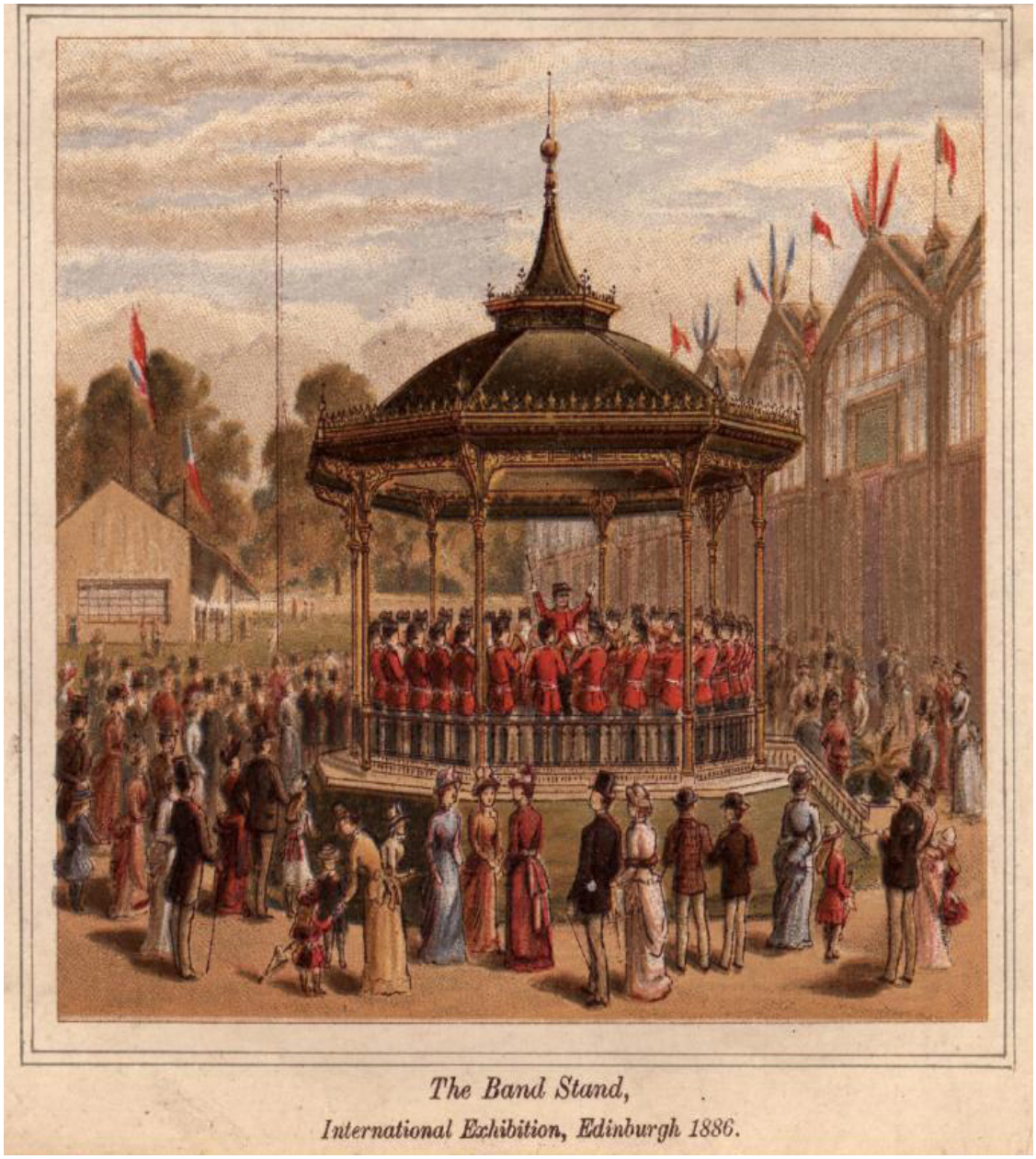


Fig.349: No 249, Edinburgh (1886)
(The Scottish Ironwork Foundation)

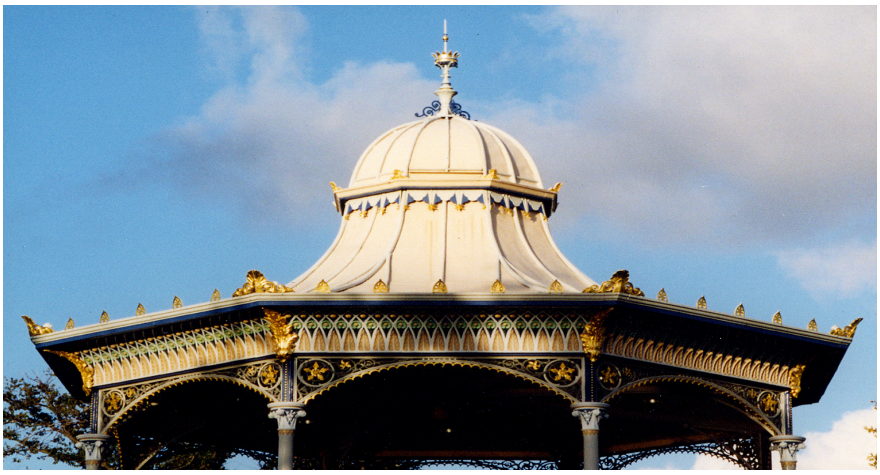
The Dunfermline example was commissioned by the wife of Andrew Carnegie to commemorate her first visit and installed in 1887. This bandstand is unusual in that it appears to be the only example of its type. Saracen, unusually, did not feature it in their literature as a specific model. It uses some standard components but remains a unique survivor.



Fig.350: Dunfermline Bandstand, 1886
(The Scottish Ironwork Foundation)

Model No 225 erected in Adelaide, (1881) (overleaf) and Brechin (1908) was a strikingly elegant example. The shape of the roof would have been difficult to form with relatively tight radii in the zinc panels.





Figs.351&352: Adelaide Bandstand
(The Scottish Ironwork Foundation)

The cast iron fascia panels sitting on top of the column heads provide a remarkably intricate surface to be picked out in decoration, which the Adelaide example illustrates. The Sun Foundry bandstand in Bermuda (1889) bears a remarkable similarity in design.

The most popular model of bandstand produced by Saracen was No 279. The first was erected in 1887 in Queens Park, London. The No 279 was manufactured in two sizes and extant versions are to be found in Stanley Park, Liverpool (1890), Nunsmoor Park, Newcastle (1895), and Barbados (1907). With the last example erected in Hathersage in 1936, this model had a marketable lifespan of almost 50 years.

The 279 model was not particularly Victorian, overly decorative and cheaper in comparison to the more elaborate types. It tended to be favoured by Town Councils.

It is the most common type in Scotland with seven examples erected, all for Town Councils.



Fig.353: No 279 in Bridgeton, Barbados (1907)
Note Tiled Roof
(The Scottish Ironwork Foundation)

Only one example of type No 230 is known to have been constructed. Remarkably Victorian, it combines bandstand with clocktower and was erected in Chalkwell Park, Southend on Sea (1896–lost). It is adorned with every conceivable decoration possible, including gas lamps extending out from the columns.



Fig.354: Chalkwell Park, Southend 1896
(From D Mitchell collection)

Again in Southend, the last highly decorative bandstand was erected in 1909. Clearly a relic of a former era the design perhaps suited its seaside location. It too has been lost. The baluster railing was used on other examples, notably Brechin and Dundee. The load imposed on the roof structure would have been significant and unlikely to meet contemporary margins of structural safety.



Fig.355: On the Cliffs, Southend (1909)
(The Scottish Ironwork Foundation)

The Robertson Park example in Renfrew (lost) exemplifies the move away from the fussy and ornate Victorian style towards a much more slimmed down late Edwardian approach.

This bandstand reflects the change in taste that marked the end of the heyday of the Scottish firms – the only cast iron components on this bandstand are the columns, and these are very plain in form.



Fig.356: Renfrew Bandstand 1912
(From D Mitchell collection)

The traditional form of an eight or six–sided bandstand on a plinth as a central feature was supplemented by the 'shell' bandstand design typified by the example erected in Walsall Arboretum (1924).



Fig.357: Walsall Arboretum Bandstand, 1924
(From D Mitchell collection)

Shelters were most commonly supplied for use at seaside locations, to allow visitors to promenade and rest. Shelters in the Victorian period were not a market particularly targeted by Saracen in

comparison to Lion Foundry, but shelters were provided to Southend and Plymouth. Later the introduction of trams across Britain provided more of an opportunity, and tram shelters were supplied to Accrington, Birmingham, New Brighton and Eglinton, Glasgow. The Southend-on-Sea example incorporated a waiting area, kiosk and clocktower (below).



Fig.358: Southend on Sea Shelter
(From D Mitchell collection)

Canopies, Glasshouses, Verandahs

The photographic 'Examples' volume indicates that canopies and glasshouses designed to provide shade from the sun, were developed to give a sympathetic architectural appearance. It notes their distribution in Japan, Africa, Jamaica and the West Indies. The Japanese example remains to be traced.

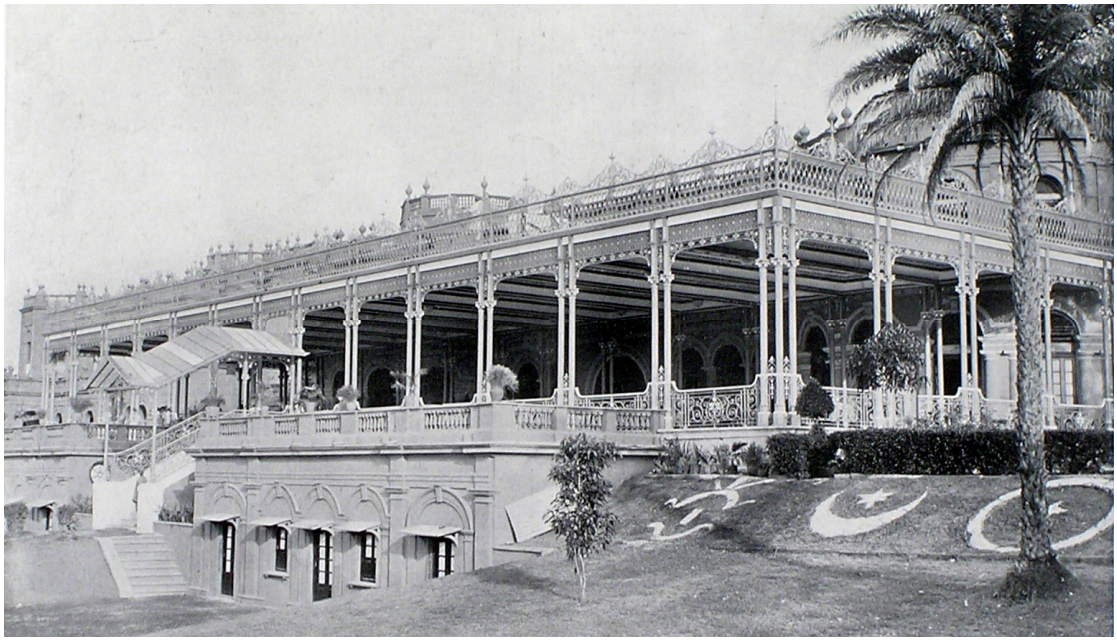


Fig.359: Summer Palace, Sipri
(From D Mitchell collection)

The Summer Palace, Sipri was erected for the Maharajah Scindia of Gwalior in cast iron and steel, while the verandah and walkways for the African City Properties building (Figure 360) provided cover at three levels. Another four buildings of similar scale had similar structures added by Saracen.



Fig.360: African Properties Building, Johannesburg
(From D Mitchell collection)

Hotel and theatre canopies were supplied to a range of British hotels including the Bournemouth Grand. Theatre canopies were executed for the Leeds Grand Theatre and The Glasgow Kings Theatre (both lost).



Fig.361: Kings Theatre, Glasgow
(From D Mitchell collection)

The glasshouse for John Kibble at Coulport was an early foray for Saracen, and it seems that they only supplied the cast iron components. Saracen were late entrants to the marketplace for glasshouses and other established firms like Mackenzie and Moncur had a firm grasp on the market.

The Palm House supplied to Saltaire (lost) was an admirable attempt at the style and form of construction, using rolled 'I' beams to form the principle shape with wrought iron glazing bars and cast iron for the exterior decoration.

Conservatories were erected for both Walter Macfarlane Snr at Park Circus, and also for James Marshall at Carlston in Glasgow. The Carlston example has been lost but the conservatory featured the cast iron scalloped units with a highly ornate terminal.

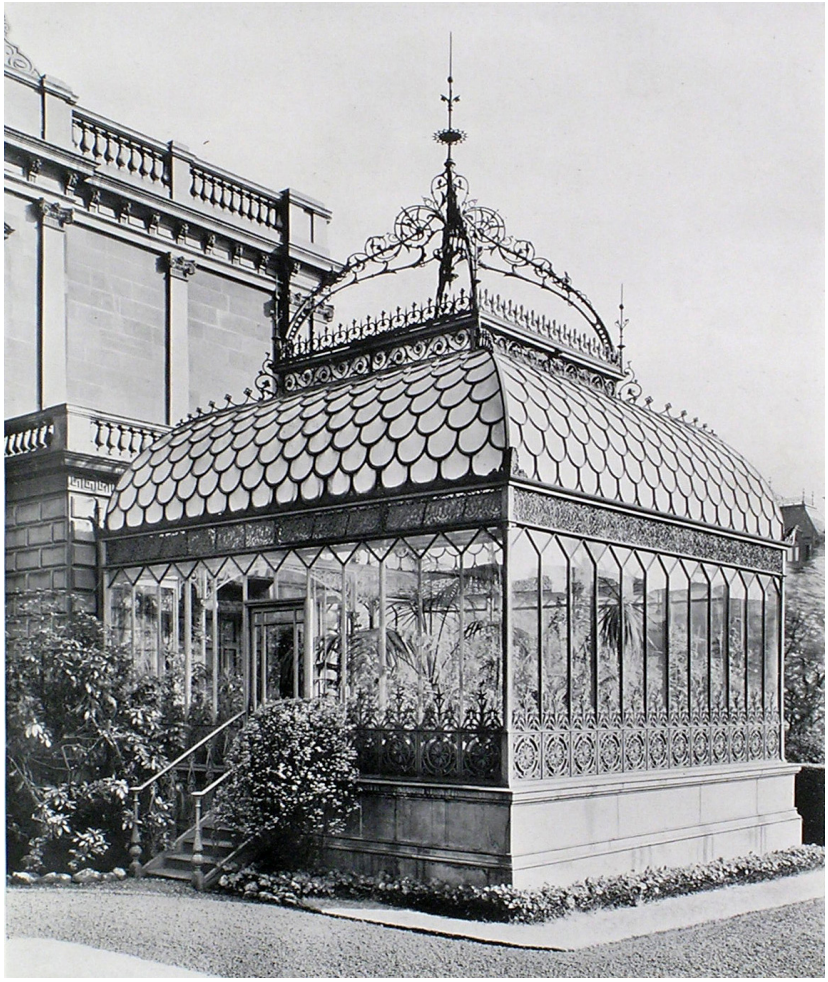


Fig.362: Carlston Conservatory for James Marshall, Partner (From D Mitchell collection)

Bridges and Railways

Whilst Saracen tended not to manufacture large steel bridges, there were many other Glasgow based firms such as P R Fleming and Arrol's who specialised in such work; the manufacture of decorative elements were very much Saracen territory. Cast lamp standards, parapets and ornate cast iron fascia panels could be cast. Like early building frontages, the cast iron elements were designed to look like ashlar, and could be difficult to distinguish.

The 1920s photographic catalogue suggests this was a major area of work for Saracen.

Lamp standards were supplied for the Portland Street Bridge (Glasgow) and the Tweed Bridge (Peebles) but larger commissions included Aberdeen's Union Bridge (1908) now sadly much diminished in scale, the New Southwark Bridge in London, The Rochester Bridge (1914), and the decorative Kelvin Bridge in Glasgow and the Exe Bridge in Exeter.



Fig.363: The Exe Bridge, Exeter
Erected 1905 and Demolished 1969
(From D Mitchell collection)

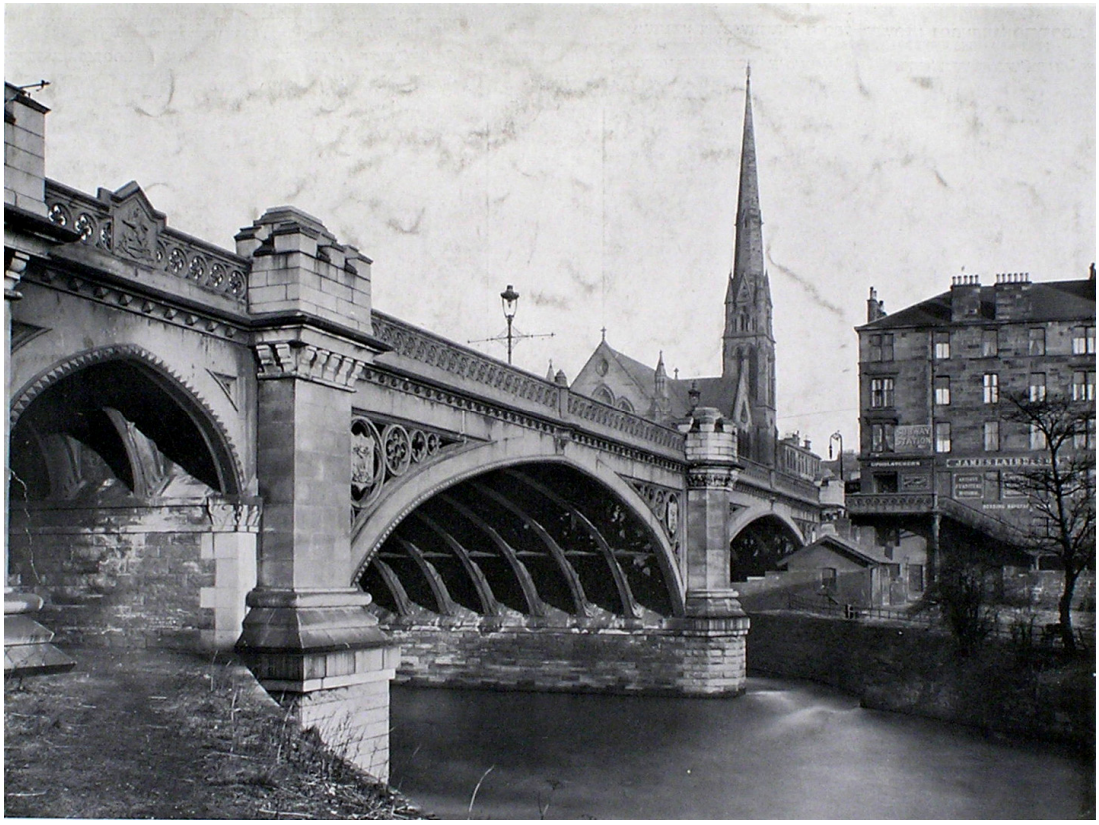


Fig.364: The Kelvin Bridge, Great Western Road, Glasgow 1891 (From D Mitchell collection)

The Kelvin Bridge has a particularly Victorian feel, and the cast ironwork adorns a riveted steel structure erected by William Arrol & Co. The widening of Aberdeen's Union Bridge in 1908 saw the introduction of the cast iron parapets with cast leopards added in 1910, executed by Sidney Boyes from Grays School of Art. The Southern parapet was removed in 1964 and re-located to Duthie Park.

Saracen's work for railways did allow a foray into the use of structural ironwork, and pedestrian bridges and canopies were supplied.

Cark Station on the Furness Railway shows a stock pedestrian design.



Fig.365: Cark Station Pedestrian Footbridge, Cumbria (From D Mitchell collection)

This design was supplied across the UK with perhaps the best example surviving in Whitehead, Co Antrim. An entrance canopy and doors were supplied to the Phalerum Bay Station in Greece, and most dramatically at the entrance to Central Station in Glasgow after construction in 1879.

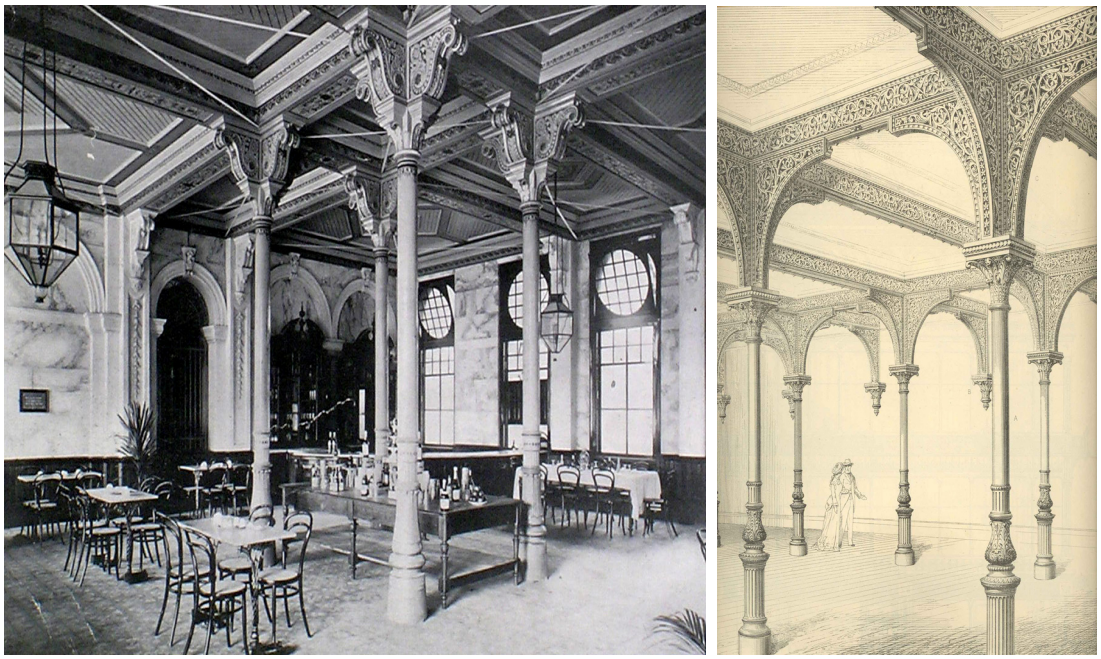


Fig.366: Central Station, Glasgow 1879
(From D Mitchell collection)

The most important commission for railway applications, and perhaps one of the key works of the firm was for Luz Station in Sao Paulo, known as Estacao da Luz or 'Station of Light'.

Designed by Charles Henry Driver, the station was completed in 1901. The structural ironwork forms the primary structure - it would appear that the lattice beams were supplied by others, but Saracen supplied the columns, cornices, railings, spandrels and brackets.

The 'refreshment stall' reflects earlier designs shown in *'Examples'* catalogues.



Figs.367&368: Estacao da Luz (left) and Conjectural Drawing (right) (6th Edition 'Examples') (From D Mitchell collection)

This piece of pre-fabrication came at a time when Saracen were well versed in such projects, but the design and delivery of such a project remains impressive.

Buildings

Early buildings from Saracen reflected the use of the material illustrated at the Great Exhibition of 1851 – that of delicacy, strength and the maximum use of natural light.

Saracen promoted the cast iron saying it:

'occupies little space, giving maximum light, strength and durability…expressing the most elegant picturesque forms and lacelike tracery, for which stone is too massive and timber too perishable.'[71]

The Glasgow Ca D'Oro by John Honeyman in 1872 is one of the earlier examples of building façades by Saracen and continues to feature in their catalogues for decades afterwards. A masonry

shopping arcade at ground level rose to a restaurant and smoking rooms behind the cast iron portions. Unusually the catalogue illustration shows a section through the façade to illustrate the thin cross section.

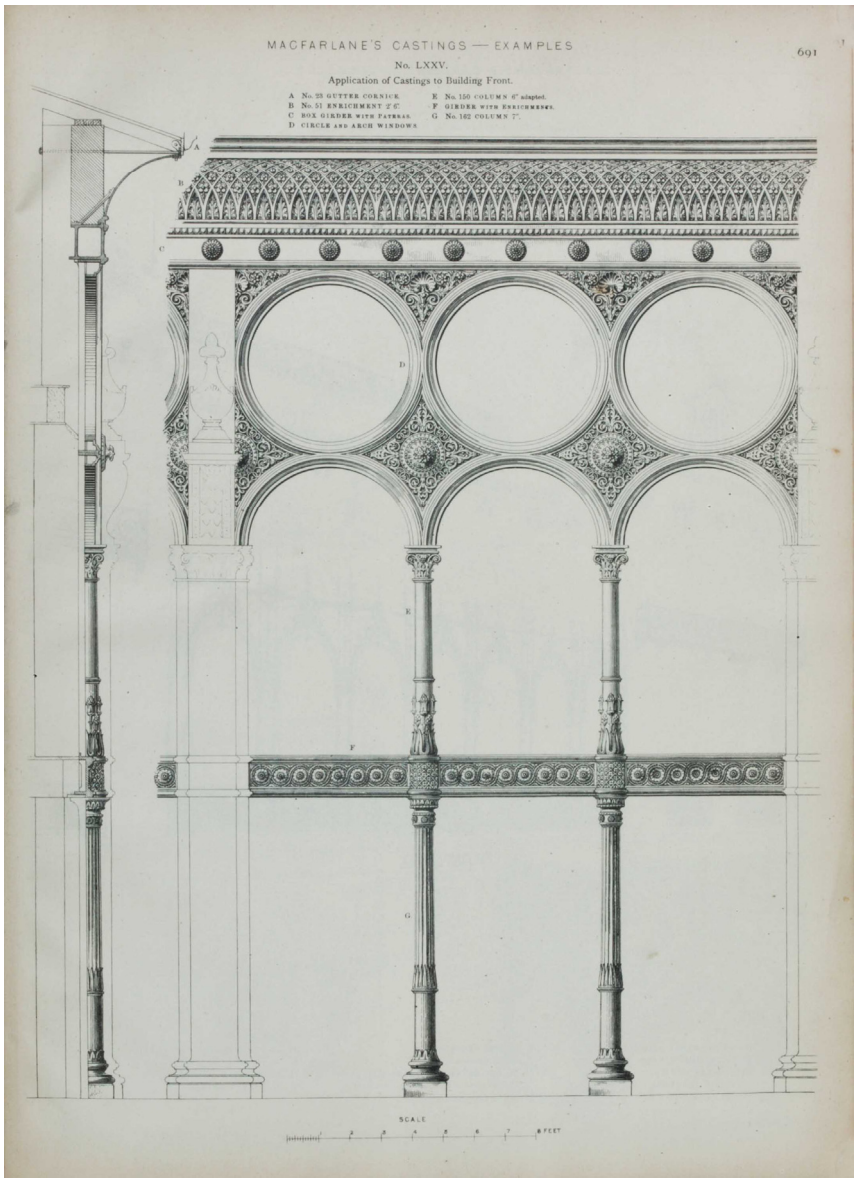


Fig.369: The Ca'Adoro, Glasgow
From 6th Edition of Macfarlane's Castings
(From D Mitchell collection)

Shopping Arcades provided a means of delivering European sophistication to corners of the Empire.





Figs.370&371: Barton Arcade, Manchester (top) and The Arcade, Johannesburg (bottom) From 6th Edition Macfarlane's Castings and Pioneers of Pre-fabrication by Gilbert Herbert (From D Mitchell collection)

Entirely suited to pre-fabrication, such structures could be transported, including glazing and erected at speed. The primary arcades erected by Saracen were the Barton Arcade, Manchester (1874), the Alexander Arcade, Swansea (1890) and The Arcade, Johannesburg (c.1893). The Arcade of 1893 was ordered from

Glasgow to bring sophistication to the gold mining encampment which grew to be Johannesburg. Despite the loss of most of the glass en route it was well received and Saracen noted;

'taken all together, it is the finest Arcade ever to be turned out of their works.'[72]

Saracen were generally not seeking to supply a complete iron solution in the way that Charles D Young or Robertson and Lister might, but were happy to provide the primary decorative elements. Building components from Saracen may have formed the complete solution (glasshouses in particular) but generally were only part of it and also included more traditional building materials like stone or brick. It is difficult to reconcile now perhaps, but at the time this was a truly revolutionary building material - the first for many hundreds of years.

The use of cast iron in the manufacture of cupolas and roof lights, particularly using the scalloped iron prefabrication unit, allowed for a naturally lit and highly decorative roof.

The Durbar Hall at the grand palace at Mysore, which was intended as a marriage pavilion, was pre-fabricated in Glasgow and erected on site complete with stained glass. Commissioned in 1897 by the Irish Architect Henry Irwin, the use of cast iron in this context exemplifies the flexibility of the material in form and design.



Fig.372: Durbar Hall, Mysore Palace, India (1897)
(From D Mitchell collection)



Fig.373: Banking Hall, Madras (1895)
(From D Mitchell collection)

Particularly Indian traditions in design were also perpetuated in the banking hall supplied to the State Bank of Madras in 1895 two years before, and again by Irwin.



Fig.374: Hunter Barr and Co, Glasgow 1900
(From D Mitchell collection)

A later evolution of the Victorian roof light can be seen in the domed roof light made for the Hunter Barr and Co warehouse in Glasgow in 1900.

Shop frontages using standard pilasters and panels were ideally suited for purposes – a rapid change to the shop could be rendered and increase the provision of window glass over masonry.





Figs.375&376: Shop Front, High Street, Rothesay (Photographs by D Mitchell 2005)

Such façades, or remnants of, are widespread. The above example is found in Rothesay, Isle of Bute. Perhaps the most intact is to be found in Cromarty (Figure 377).



Fig.377: Shop Front, Cromarty
(Image courtesy of Historic Scotland)

Saracen prompted that the increasing use of steel or concrete frame buildings provided opportunities for architects to use something other than brick and stone. The benefit of using iron as a façade medium was that it required less use of space, therefore submitting more natural daylight.

As the style and taste of the Victorian era diminished, Saracen, like Lion Foundry, moved heavily into the building façade market. Smaller façades were supplied to the Halifax Building Society in Halifax, the Skinners Arms in Cannon Street, London and to Watt Brothers (1910) in Glasgow which still survives.



Fig.378: Watt Brothers Store, Sauchiehall Street, Glasgow (From D Mitchell collection)

Patronage by any one architect in particular seems less common, although the theatre specialist Frank Verity (1864–1937) used Saracen to make large façades for the Polytechnic and Raoul Shoe Store in Regent Street in London.

The Cotton Exchange in Liverpool by Mattear and Simon opened in 1906 as a state of the art building with telephones and overseas cable links.





Figs.379&380: Liverpool Cotton Exchange
(From D Mitchell collection)

Cast iron was specifically selected to create a light South facing façade where cotton samples could be examined.

When Chicago retailer Gordon Selfridge opened his English flagship store in 1909, his architect, Robert Atkinson (1869-1923), brought a very North American style to London. It is therefore not

surprising that cast iron and steel were employed to significant effect. Saracen supplied all window screens, panels entrances and doors in cast iron with some finished in bronze.



Fig.381: Selfridges, London (1909)
(From D Mitchell collection)

Such was the opportunity in this market that Saracen brought out a specific catalogue on building frontages, presumably to press hard their competitors, Lion Foundry, in this area. Other notable commissions included the Bosch Magneto Company building in Tottenham Court Road, the Coates building in Belfast (1921) and the Elvery and Co Building in Sackville Street, Dublin (1917).

Saracen also had a lesser known foray into the potential of cast iron as an architectural medium for domestic housing. Iron houses were not new, but few firms had pushed the concept of cast iron houses. In 1926 the constructed samples promoted durability, simplicity in design and speed of erection. The houses could be erected at a speed of two per week for every one hundred ordered.

With a cast iron envelope, steel roof frames, brick partitions and a roof covering of felt and red asbestos, they would not require re-pointing and had proven to be weather and vermin proof.[73]

The firm patented the cast iron wall plates, 3 feet 7 inches long by 2 feet 61/2 inches pitch, the upper and lower edges being formed as male to female joints to ensure a weather-tight seal. They were cast with a rough surface finish so they would take the paint better and to resemble render. This deception was to be further achieved by the absence of external fixings being apparent. The interior skin of fibre board created a 3 inch wall cavity. The floor area of a single two bedroom bungalow was 788 square feet.

Saracen promoted the fact that such was the shortage for housing that sentiment had gone from the prospective householder and rendered him 'wholly indifferent to valuation and appearance.'[74]

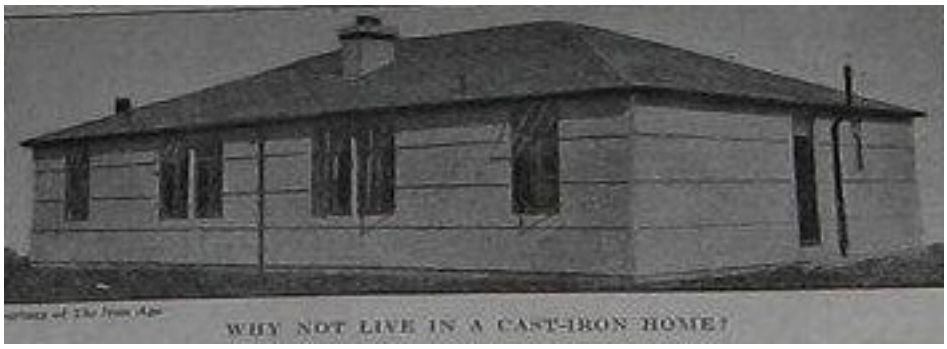


Fig.382: 1926 Concept for Cast Iron House by Saracen Foundry (The Iron Age, Volume 118, Chilton Co, 1926)

4.13 Contribution

The Saracen Foundry of Walter Macfarlane and Co are widely considered to be the pre–eminent architectural iron founders in Scotland, and in some regards world leaders. The present absence of any production records mean that we are unable to measure output except from the documentation in catalogues or from other archive sources, and of course the buildings themselves. The data

collated from the work of The Scottish Ironwork Foundation in the subsequent chapter clearly illustrates that Saracen were head and shoulders above the other Scottish firms in terms of manufacturing output.

As we have seen, Saracen worked hard at marketing and adaptive business techniques. They moved away from being a third party anonymous provider in their first decade and strove to establish a brand identity. The satirical series 'Men You Know' which commented on Walter Macfarlane Snr, went so far as to brand him so vain he felt the need to put his name on all of his work. Not vanity, but shrewd and far sighted business practice.

Herbert comments that:

'Macfarlane's knew their customers; not only did they allow for active customer participation nearly a century before such concepts became explicit in architectural theory, but they had instinctive insights into their customers aesthetic tastes.'[75]

A highly organised business model which allowed thousands of component variations to be numbered, assembled and specified easily through their catalogues, meant that specifiers had their roles made just a little easier.

Catalogues were not new. Many of the earlier Scottish firms, starting with Carron, produced catalogues of their wares, but none did it like Saracen. They were confident of their abilities and their position – at least in outward presentation – and this became reflected in their somewhat mythical status overseas. Even now, building histories from former ends of the empire describe Saracen as being famous. Saracen represented a sample of modernity, taste and perhaps even status.

A significant impact made by Saracen and Walter Macfarlane & Co, was the credibility and mark of quality given to Scottish

architectural iron founding by their endeavours. In his 1901 book, Angus Maclean noted;

'The productions of this well-known firm are to be found in every part of the civilised world, so that it is unnecessary to enter into a detailed description of them. The firm stands *facile princeps* in the exposition of foundry work pure and simple, and its productions mark the highest development and technique in the lighter branches of iron founding.'[76]

Saracen were not particularly material innovators, although early advances in sanitary engineering and production techniques for pipes were notable. The use of cast and wrought iron were by the latter half of the 19th century well tested. What they did however, was to manufacture castings of exceptional quality and design and to make them relatively widely available in an accessible manner.

That is not to say that their work does not have technical merit – far from it. The Fountain canopy No 20 stands as a testament to their skill as patternmakers and iron founders, unmatched by their peers. Their larger structures, like the work of other Scottish firms, are soundly designed from an engineering perspective, prompting efficiency of manufacture and erection, but to our benefit ensuring their longevity. Sub components are kept to a minimum ensuring there are few mating faces to get wet and corrode.

Structures from Saracen are not wasteful in assembly - they provide the minimum necessary structure to achieve their intended purpose, and in bandstands in particular it is possible to see the influence of Saracen in the work of both Lion and Sun Foundries.

They promoted their work as being sharp, clean and full of character yet it was no more or less than their closest competitors.

Manufacturing processes would appear to have been consistent with other foundries. An 1865 advert reads:

'A good patternmaker in wood and tin, and a good pattern filer.'

Like most others, Saracen were making master patterns in timber and working patterns in metal.[77]

What is perhaps most impressive was the ability at the end of the 19th century to manufacture a large structure in Possilpark, trial-erect it within the fitting workshops, then dismantle, pack and transport it by rail and sea to a far corner of the world where it would be finally erected. The logistics of such an endeavour 100 years on would be challenging indeed.

The relationship of Thomas Russell with both Walter Macfarlane Snr and Jnr provided a link from past to future and ensured a logical evolution of the firm. Both Macfarlanes seemed to share a determination to succeed and the business sense to achieve it. The 'adopted son relationship' has always been a little unclear and the registrar's information provides no clarity. That, and the somewhat sour relationship between Margaret Russell and her 'nephew' prompts us to wonder if there was a closer blood tie.

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Chapter Five

Comparisons

5.1 Data Gathering

Whilst the importance of this once significant Scottish industry had largely been forgotten or not appreciated, urban renewal and Heritage Lottery funding for parks in particular saw many iron structures were being replicated or restored. Many of these structures were found to be of Scottish origin, and the internet started to provide a global reach to source information. The author has been collecting information on the location of architectural ironwork made or found in Scotland since 1992. This initial work was based on field survey and Listing descriptions (although these often proved inaccurate). In 2001 a small group of seven people with an interest in different aspects of the Scottish architectural ironworking industry came together and created an online database to record instances of ironwork either made or found in Scotland. The aim was therefore to stimulate awareness and encourage informed conservation and restoration.

The core of the initial Scottish Ironwork Foundation database was the data collected by the author between 1991 and 2002. The contributions of the other Trustees and a remarkable input from those interested in the subject saw it quickly grow.

This information has been largely gathered by:

- Sales information from archive sources
- Archive information from books and architectural guides
- Company catalogues
- Photographic archives
- Physical objects by field survey
- Web survey and corroboration
- Members of the public and professionals around the world with an interest in the subject
- Enquiries to www.scottishironwork.org

At May 2011, 3761 records had been created. Eighteen categories were established which largely followed the descriptors used by the main Scottish iron founders, and Saracen in particular. The database records wrought and cast iron structures, mostly architectural in application. Many of the examples provided as illustrative works in this thesis have been identified through this survey work, and the data provides a unique perspective on comparative manufacturing output.

The records of the Lion Foundry are the only reasonably intact business archive of the key Scottish firms. It provides good records only for larger structures made by the firm. The majority of gates, railings etc have been identified by field survey referencing back to manufacturers' catalogues for identification where required. The Scottish Ironwork Foundation database is therefore the best available reference guide to evaluating the production and diversity of the Scottish firms.

5.2 Evaluation

From an overview perspective, striking throughout is the level of output from Saracen compared to the other Scottish firms. The relatively brief existence of the Sun Foundry (1857–1899) in comparison to the other firms illustrates a remarkable architectural output in the period.

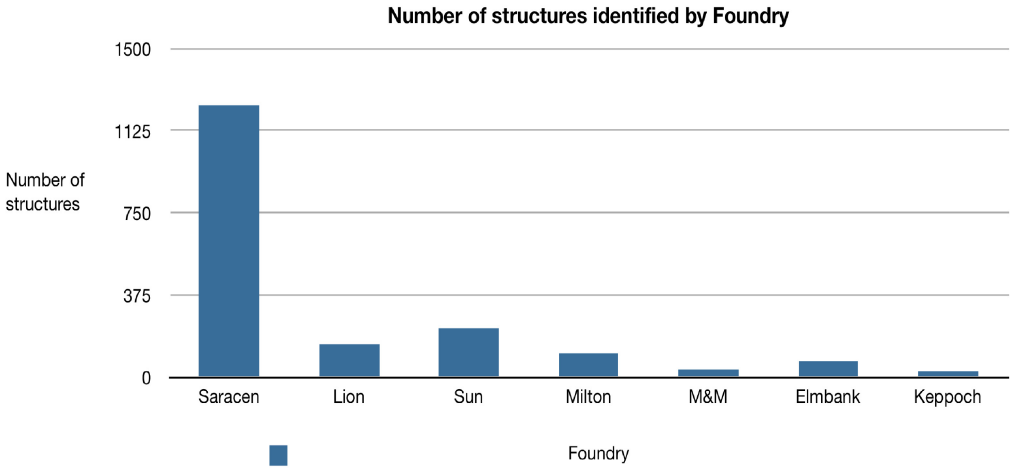


Fig.383: Number of Structures Identified by Foundry

Comparisons of structural objects are perhaps the most statistically sound comparison to be made. Overall comparisons will of course include all smaller items made by the firms, which has some potential to shift the focus of the data.

Structures recorded include those which are extant as well as those which have been lost, and for structures like bandstands or fountains, this data has been of particular interest to The Scottish Ironwork Foundation and fairly readily available.

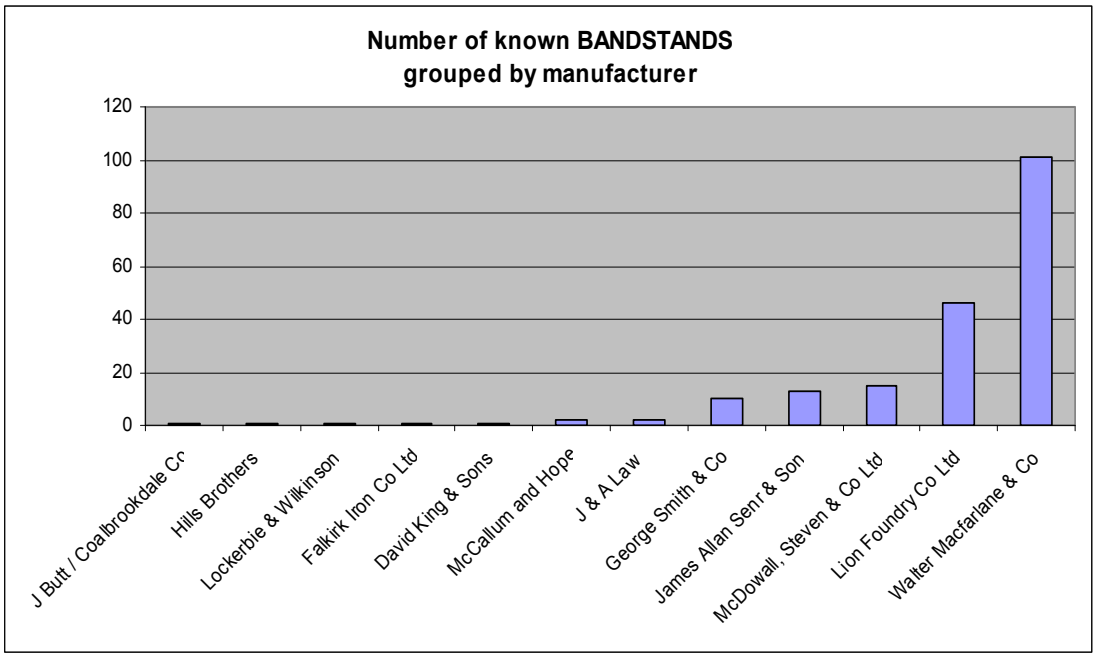


Fig.384: Bandstands by Manufacturer

Whilst Saracen Foundry manufactured over 100 examples, as previously discussed Lion Foundry saw this as a lucrative market, no doubt as a result of the founding partners being ex-employees of Saracen. The peak of manufacture is between 1890 and 1905, when Sun had by that time gone out of business.

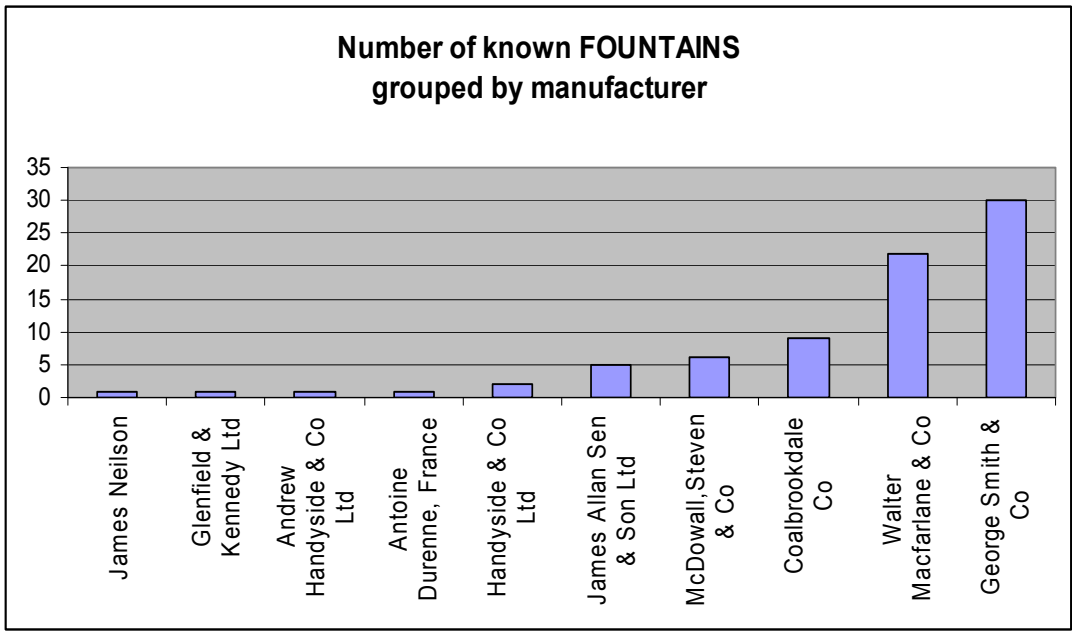


Fig.385: Ornamental Spray Fountains by Manufacturer

The number of ornamental spray fountains manufactured provides an indication of just how much of a threat Sun Foundry was to Saracen. Despite an operating period of only 42 years in comparison to Saracen's 118, Sun Foundry had a greater output in ornamental spray fountains. Whilst larger examples were more common by Saracen, Sun Foundry had a greater market share by promoting smaller fountains, perhaps more affordable for municipal authorities. Some non-Scottish firms appear in the data analysis since the data gathered notes both ironwork made or found in Scotland.

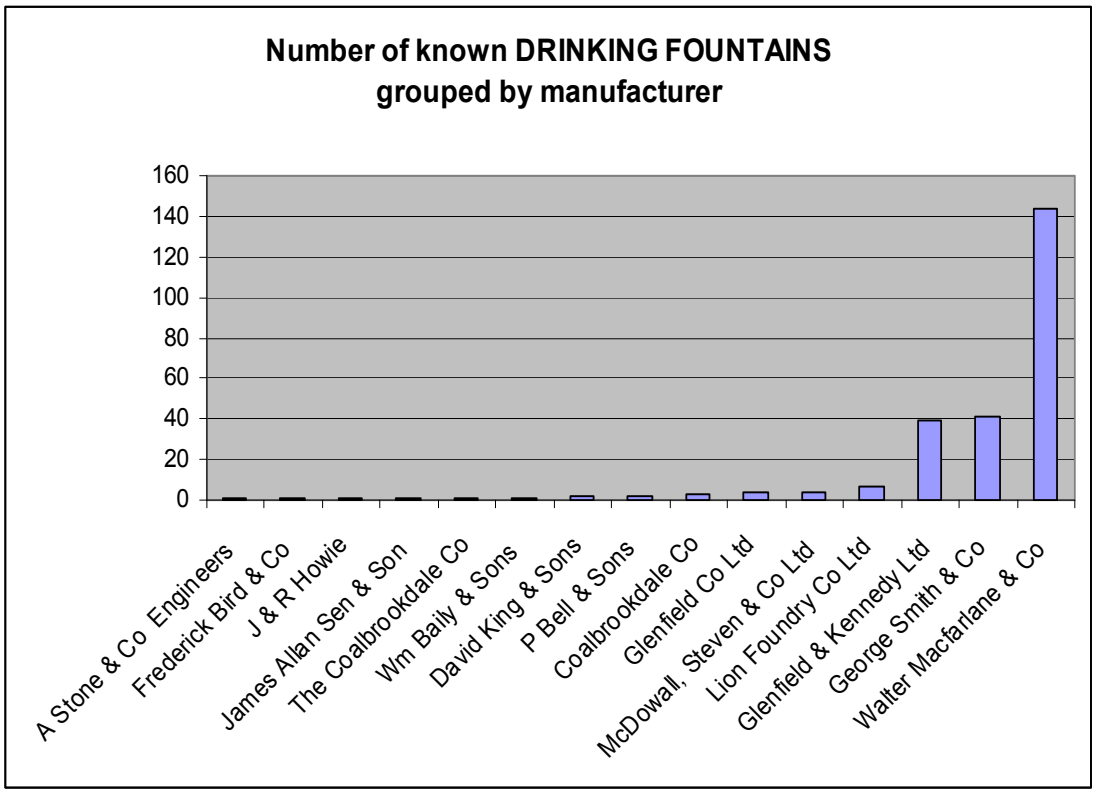


Fig.386: Drinking Fountains by Manufacturer

Ornamental drinking fountains were a Saracen speciality, and the canopied fountains in particular (Pattern Nos 8, 20 and 21) were very successful in the market, particularly No 8, the smallest version. It is perhaps this structure more than any other which is most associated with the firm.

Glenfield and Kennedy manufactured drinking fountains as a sideline and were generally very utilitarian rather than decorative. There were probably more of these 'hydrant' type drinking fountains, but they were usually small and inconspicuous, and often removed from the streetscape without much fuss, or being recorded.

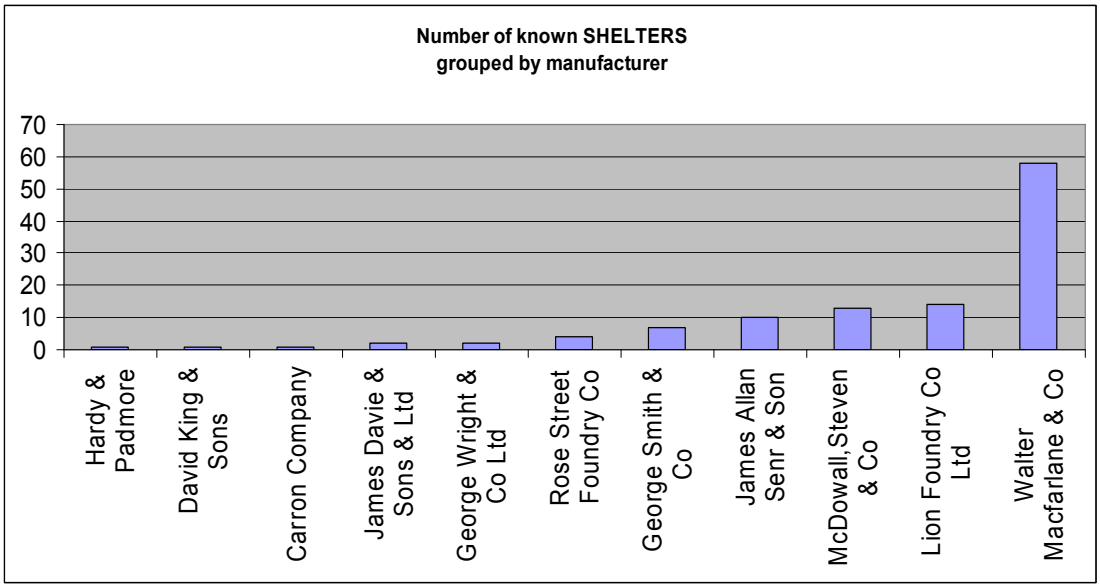


Fig.387: Shelters Made by Manufacturer

Again Saracen dominated the market, but like bandstands Lion were acutely aware of the market and in particular, pushed this type of structure. Lion perhaps manufactured less of the typically ornamental Victorian shelter, but from the 1930s through to the 1950s adapted their designs to look more contemporary and did better than Saracen in this period.

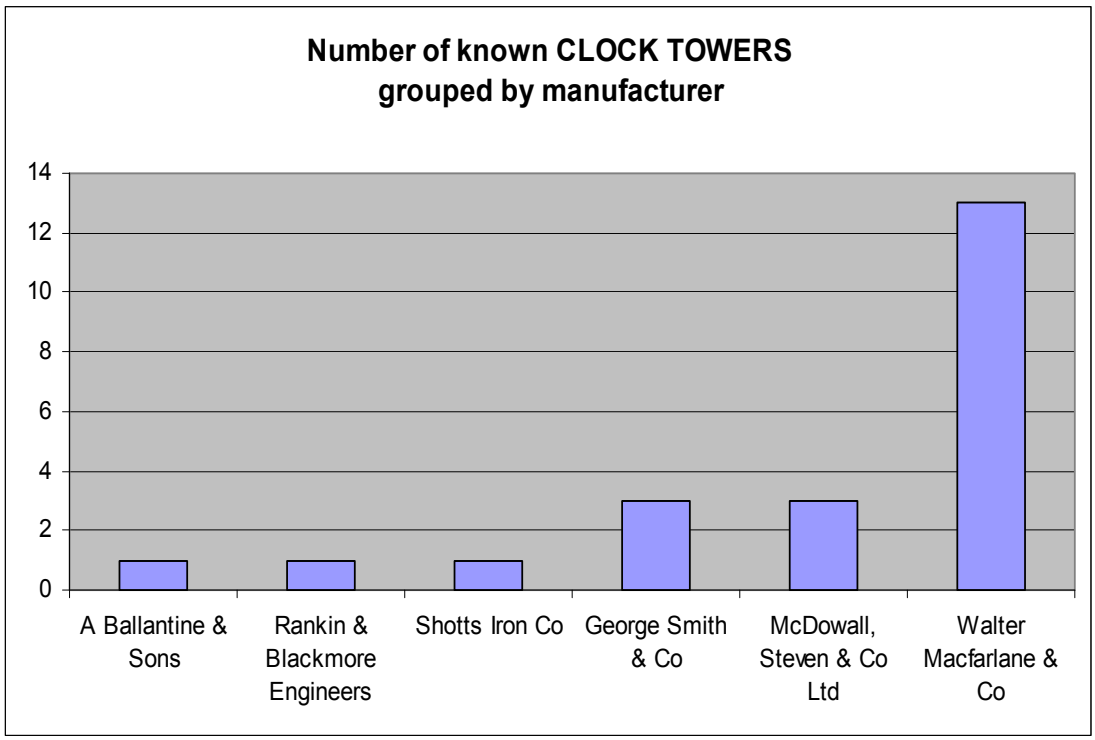


Fig.388: Clocktowers Made by Manufacturer

Clocktowers remain relatively uncommon as manufactured products, but Saracen again led the market.

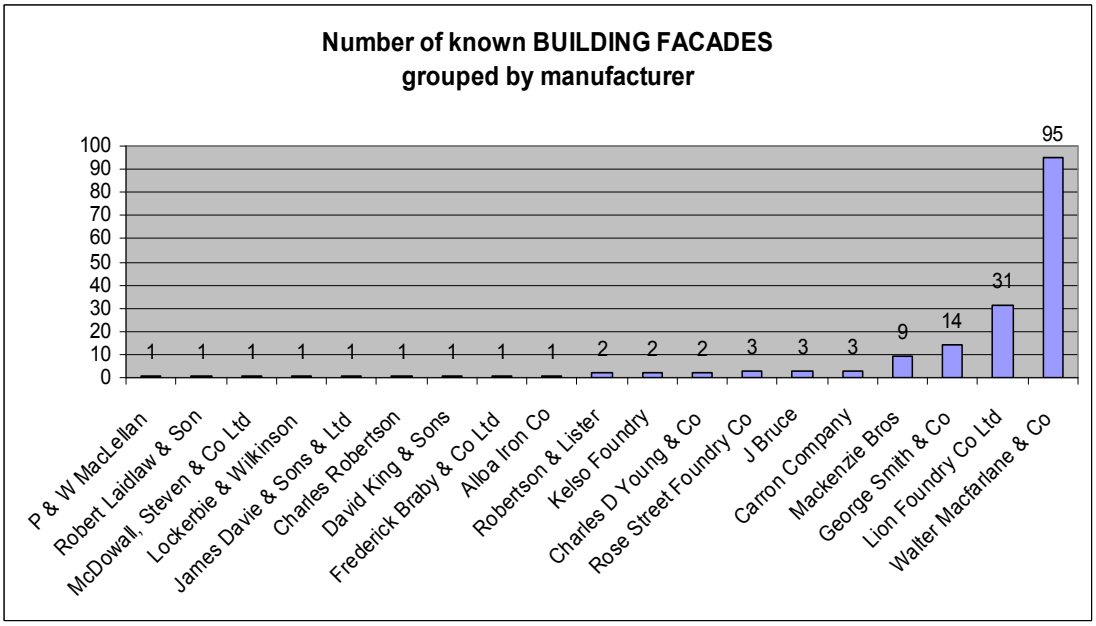


Fig.389: Building Façades by Manufacturer

Lion and Saracen led the market in the manufacture of cast iron façades, but it has perhaps not been so evident how many more were manufactured by Saracen in comparison. Whilst the Lion archive provides us with very accurate data on production and projects, by comparison the Saracen data is potentially only a proportion of what was produced. Identification of manufacturer is much more difficult since names are rarely evident, and we must rely on catalogue illustrations or archive accounts (which often do not identify the foundry) to quantify production. There are many more cast iron façades in Glasgow and London which are likely to have been made in Possilpark but remain to be identified.

That the Saracen Foundry of Walter Macfarlane and Co were market leaders is in some respects not surprising, but the extent to which they were is more so. The absence of commercial records means that we will never truly understand the magnitude of production, but the range and scale of their output was remarkable.

The level to which Sun Foundry competed in the market place, despite a comparatively brief tenure, has not perhaps been fully appreciated. Sun were serious competition and the hostility of Saracen Foundry towards the firm perhaps reflects an understanding of this.

Whilst the rate of UK additions to the database has slowed, the number of overseas additions continues to increase as new structures originating from Scotland are identified.

Chapter Six

The Decline of the Scottish Architectural Iron Founding Industry

The technical abilities of the Scottish architectural iron founders were well practised and honed by the first decade of the 20th century, but tastes had started to shift and iron had lost its novelty as a constructional material.

The coming of the First World War brought the last vestiges of the Victorian era to an end. The stylistic leanings of the Scottish firms remained predominantly Victorian although some like Lion and Carron made moves to more Edwardian tastes.

The pressures and increasing competition of this new environment started to show in the sector.

In 1903, several of the travellers had written to the Lion head office complaining that some members of the Light Castings Association were cutting prices. The whole point of the LCA was to maintain prices across the industry to share work equitably. The board of Lion withdrew the company from the LCA as well as the Scottish Bath Founders Association and the Employers Federation of Iron and Steel Founders.[1]

The Scottish Light Castings Industry involved most of the Scottish architectural iron founders. However, in 1912 the National Light Castings Association (NLCA) had been set up and it represented

around 150 companies involved in the industry in Britain which was around 90% of the total.

'The object the Association has in view is that of raising and keeping up the prices to the buyer of goods and articles made or supplied by its members.'

In a very short time prices had risen by 42.5% and the retail trade could do very little about it; competition in the shape of foreign imports of these goods did not exist before that time. Retailers were obliged to enter agreements with the Association but when the latter breached these, a small group rebelled and, being effectively boycotted by the NLCA, sought goods from abroad. In November 1913, the first consignment of imported porcelain enamelled baths arrived in London. This had a sobering effect on the NLCA and prices were allowed to drop again but only in the areas where there was danger from this new competition. In Scotland and Ireland prices were kept high partially to compensate for the lower prices elsewhere. *The Scotsman* commented that this trade war was risking the light castings industry in Scotland after over 100 years of success.[2]

As Basil Tripp notes in his account of the formation of Allied Iron Founders; the acceleration of industry and mechanisation prompted by war created an environment where automatic sand hoppers for filling boxes, and moulding and ramming machines, made production more efficient. Not surprisingly his account promotes the ethic of rationalisation and the general strike of 1926 as a fundamental misunderstanding of what needed to happen in manufacturing as a sector. He promotes the ideal of rationalisation in the foundry sector as a step back to an age of more appropriate ethics;

'The mantle of the Darbys began to warm again when the idea was conceived of an alliance of iron founders, in many ways autonomous as companies, but united in service to the consumer through the merchant (the natural distributor of their goods), to their workpeople, and to each other through their shareholders.'[3]

Aspirational of supposedly halcyon days perhaps, but the commercial reality of a post Victorian era with shifting tastes and increasing pressure to improve working conditions, meant that firms had an eye fundamentally on survival. It was possible that the potential to influence pricing was also too much of a temptation.

In 1922 the first of the iron founding firms came together to create Light Castings Ltd, including Coalbrookdale, Planet Foundry of Manchester, M Cockburn of Falkirk and McDowall Steven. Both Coalbrookdale and McDowall Steven, giants of architectural work in the 19th century were struggling to adapt to the new world with product lines slow to change. The new company took over ownership of the individual companies with a Board of Directors, and the individual firms retained their identities but took their lead and work from the centre. For an industry with 100 years of keenly fought competition this must have been incredibly difficult to manage. Two of the most famous names in the sector once in competition were now competing like departments of a large firm.

'The creation of a group spirit and a group policy required many qualities of an uncommon order. Not only was it necessary to have vision, a sincere belief for a better future for the industry and an intense conviction of an ability to serve; moral courage was needed to overcome past prejudices, to cut out redundant but affectionately regarded names and lines, to be fair yet quite ruthless with many cherished ideas. Men capable of meeting these demands were found; that they largely existed within its own ranks

is perhaps the best tribute that can be paid to the old time foundry trade.'[4]

By good fortune the formal establishment of Allied Iron Founders Ltd from Light Castings Ltd in 1929, coincided with a private house building boom 1933-38 and the supply of bathroom fittings, cooking and heating appliances prompted a strong demand. In 1929 Scottish firms Callender Abbotts, the Falkirk Iron Co, HE Hoole and Co, Dobbie Forbes, The Forth and Clyde and Sunnyside Companies came on board, relinquishing their independent status to become subsidiaries of Allied Iron Founders Ltd.

Both Lion and Saracen initially resisted Allied Iron Founders, valuing their independence. Saracen especially saw Allied Iron Founders, and the dominant presence of Coalbrookdale, as awkward bedfellows. Whilst there is no documentary evidence to substantiate it, anecdotes from those working at Saracen were vitriolic in their contempt for Coalbrookdale in particular. Whilst Coalbrookdale had perhaps created the technology and practices of the ornamental foundry sector, Scottish firms and Saracen had made it their own in the late 19th century.

Those firms outside Allied Iron Founders Ltd talked about amalgamation on a more collaborative basis, but essentially on the same principle as Allied. In 1935 Federated Foundries Ltd was established, leaving Lion as the sole remaining independent architectural iron founder of the old guard, with Carron still too large and too diverse a company to consider amalgamation.

Federated Foundries formation brought together 11 firms, mostly Scottish and included Saracen, Keppoch Ironworks, Southbank Ironworks and Etna Ironworks in Falkirk. The share value was

£1.1 million apportioned between the 11 firms on the basis of evaluation. William Rennie of David King & Sons Ltd was appointed Chairman of the company which Included Col. Walter Macfarlane as a Director.

Lion had been involved in the discussions but had chosen not to participate. A letter was sent to the shareholders in September 1935:

'….After full consideration, in view of the proportion of shareholders required to make the Merger effective and of the difficulty of arriving at a basis of allocation of the Holding Company's shares among three classes of shareholders in this company, the Directors find they are unable to proceed further in this matter.

Yours Faithfully
J McAllister
Secretary'

An invitation had been extended to Lion to join Federated British Industries (FBI) in 1934. Since Lion was already a member of The Building Fronts Association (BFA) and BFA was already a member of FBI, it was not considered necessary to accept.[6]

Allied moved quickly to develop collaborative marketing in particular, and by its own admission, initially struggled. They overcame this once their understanding of the new consumer society improved. They then began designing products which were labour saving and aspirational for the new homes being built across the country. The merchant trading corporation, as it was described by Allied, sought to promote its products through advertising to consumers and to specifiers – architects, local authorities, house builders. In 1948 Allied commissioned an exhibition train which travelled to cities in the UK and allowed 30,000 invited guests,

associated with the design and building of houses, to view their recent innovations for the house building market.[7]

The Aga cooker designed by Nobel prizewinner, Gustaf Dale was brought to the market when Aga Heat Ltd became part of Allied Iron Founders and was considered by Tripp to be an exemplar product and beneficial to the Allied Iron Founders' logic. Its impact, and that of the hundreds of variations and imitations that were developed by others, cannot be doubted. Around 101,500 were made and sold between 1930 and 1950 alone, but the production was largely centered in Ironbridge (as it is today) and one can but wonder how other parts of the alliance felt about that.

The 1930s housing boom and the 'rationalisation' of the industry was again put into a state of suspended animation with the onset of the Second World War in 1939. Foundries returned to war work, and once again firms lost not only their specialist moulders and engineers as reserved occupations but their general hands – labourers, general moulders, fettlers and fitters. As in the previous war, women were brought in to fill the gaps, becoming known as the 'munitionettes' in Scotland, predominantly working as moulders. Allied Iron Founders' war work accounted for 70% of their output during 1939 to 1945, the remaining 30% being largely domestic light castings – functional items like rainwater goods, heating and lighting appliances.

Data from Federated Foundries Ltd in this period is not known but it is unlikely to be much different.

In the post war era, there was again another housing boom but this time with a considerable lag where traditional raw materials remained difficult to source, and where a different social outlook

did indeed aspire to a new world. The impacts of labour and skills lost were tangible. This was more than loss of life during war, this was those returning from war and being reluctant to return to the environment of the Victorian Foundry. As Tripp noted, the mechanisation of moulding in particular, and the introduction of new chemical-set moulding sands, allowed the industry to de-skill the process and diminish the quality and pay of most roles within the foundry. Training schemes which were set up to combat shortages specifically for moulders, did not meet with much success.[8]

Pressures to change the working environments were significant and culminated in the Factories Act of 1948 which entirely shifted the culture and approach to welfare and health and safety. Allied Iron Founders noted that their firms had to invest heavily to create more sanitary working conditions.[9] These improvements would of course increase overhead costs for the operations.

The move towards more modern methods of construction post 1919, gathered pace and cast iron increasingly gave way to mild steel frame construction with concrete. The use of cast iron for embellishments on façades extended the life of Lion and Saracen in particular and they maximized the benefits of this, but the decline was inevitable as new materials and construction techniques came to market.

Sheppard argued in 1945 that the drive to standardisation of building components for the new British Standards, and the homogeneity required for military production, stood the sector in good stead – consistent demand would prompt safe investment in plant. The lack of skilled tradesman and a scarcity of timber

requiring factory pre-fabrication was an ideal opportunity based on pre-fabrication.
Perhaps prophetically, while at Lion in the 1930s, Thomas Hudson suggested that the board might consider the manufacture of rhones, gutters etc in some plastic materials, as an alternative, or in addition to, cast iron. Lion did look into this but decided not to pursue it.

Even the building façades market took a blow. The Building Fronts Association (BFA), of which Lion and Saracen had been members for a long time, announced that:

'Due to the Restrictive Trade Practices Act 1956, the BFA Price Maintenance Agreement is being discontinued and prices will be free as from 1 January 1963.'[10]

In the open market costs were driven down and the traditional leading firms were squeezed hard.

The inter–war period seriously damaged the Scottish architectural iron founding industry as it had been in the late 19th century. Some lines remained viable where adaptation of style by foundries, and by designers, continued the life expectancy of fairly Victorian structures. The re-design of shelters by Lion to very modernist principles, under Thomas Tait from the Victorian carriage, and tram shelter to the sleeker, if somewhat utilitarian bus shelter, is perhaps a good example. Other examples are building façade elements and fireplaces, bathroom furnishings and cooking ranges. Rainwater goods continued to be important for a while in the post war building phase until more modern materials and cheap foreign imports reduced that market.

Writing as an architect in *Cast Iron in Building* in 1945, Richard Sheppard voices his frustration:

'Because it is possible to cast a sheep's head and Corinthian columns it does not follow that it is necessary or desirable to do so – the real quality of cast iron has often been lost and prejudices against it have accumulated as a result.'

Those firms which shifted quickly to domestic goods of a more contemporary design did better during the 1950s and 1960s. Carron and firms like Smith and Wellstood of Bonnybridge continued their Victorian and even Regency traditions of heating the home but in a contemporary style with contemporary finishes. In particular, Carron developed their enamelling in decorative finishes expertise to be strong in the market.

Moves towards general engineering work and municipal castings kept some firms going until the 1970s and 1980s but by that stage they were very pale imitations of what they once were.

Federated Foundries and Allied Iron Founders merged in 1964 and Allied Iron Founders was absorbed into Glynwed Group between 1966 and 1969.

Mr John Cameron, of Cameron & Roberton, Southbank ironworks in Kirkintilloch advised that Allied Iron Founders were especially disliked in Scotland.[11] Former commercial tensions were perpetuated and perhaps more focused. The Scottish sector felt their position as market leaders and as individual firms with historic pedigrees was being actively dismantled. Real or imagined, it did not make for constructive working partnerships.

With some great irony Lion and Saracen, towards the end of their lives, were asked to do some restoration work to historic ironwork (Lion at the Houses of Parliament), and Lion could see a small but growing market for Victoriana in the early 1980s. The establishment of conservation trusts across Scotland and the very beginnings of a realisation that such structures had strong historical roots to Scotland, meant that a small handful of foundries survived which had continued to make architectural ironwork since the first half of the 20th century. At the beginning of the 21st century there are literally two or three of these firms left in Scotland. Lack of specialised training, continuity of work and ever-increasing environmental controls have taken the remaining firms to the brink of extinction.

The understanding of the importance of the industry to Scotland was not widely understood however. Aside from some notable exceptions such as Michael Moss and John Hume in the late 1960s and early 1970s who recorded many of these industrial buildings, many were closed and demolished at speed with hundreds of years of history, documentation, designs and patterns burned or sent to landfill.

There were a few exceptions. At Carron, Falkirk Museums managed to secure from the liquidators some patterns and castings, but only a tiny fragment of what had been there. At Saracen all of the rainwater patterns were sent South, and the entire company archive disposed of, it is still not known by whom, but the loss was absolute.

In Kirkintilloch things were different. Practically the entire company archive was saved thanks to the efforts of local Council

archivist, Don Martin, who had a keen sense of the importance that Lion and Southbank played in the town. While most of the patterns from the peak of the firm were sold off or scrapped, a good representative sample was secured. In more recent times the value of this archive has been realised and it has been conserved to form perhaps the best archive of its type.

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Chapter Seven

Conclusions

The establishment of the iron founding industry in Scotland which led to the architectural iron founding industry was brought about by four key drivers.

- The establishment of Carron in 1759 brought to Scotland the **expertise** required.

- The discovery of blackband ironstone by David Mushet provided the **resource.**

- The invention of the hot blast by James Beaumont Neilson provided the **technological** means to exploit this resource and confer advantage, and the cupola furnace the technology to re-melt pig iron away from centres of smelting.

- Socio–economic change created the **demand** for goods, coupled with transport improvements to get them to market.

Carron may well be considered one of the most important industrial endeavours the world has seen. It is beyond the scope of this work to consider its full impact, but the breadth and range of its work and influence is remarkable. Carron were never a key architectural iron founder in decorative work although hugely prolific as producers of domestic goods. The work they did undertake was of high quality and worthy of the firm's name. Their earliest architectural work at the hand of the Adam brothers and

the Haworth, as wood carvers and makers of patterns, was their most important contribution.

Even now, the work they produced in the last 20 years of the 18th century remains remarkable. They pushed the boundaries of this new material to its very limits in casting works of delicacy and finesse some 180 years before the key Glasgow firms.

The expertise from Carron literally spilled out into Scotland more broadly, with ex-Carron employees establishing firms around Falkirk. Most importantly this can be seen by way of Thomas Edington, who brought expertise and drive to Glasgow with the founding of Phoenix in 1802. The importance of Edington has not been fully appreciated previously, aside from his contribution to the iron mills at Cramond perhaps.

The discoveries of Mushet are of course more familiar to people, the work of the Mushet family latterly being well known and understood. Yet the work of the family as innovators and contributors to the architectural field at their small works in Dalkeith has not been appreciated. As designers and manufacturers of what may be the earliest iron glasshouse, they make an important contribution. The work of James Beaumont Neilson is well known through the biographical work of Smiles and others. The extent to which the hot blast drove the industry forward in Scotland was significant.

Broader technological innovation seen, most particularly in Anderson's work at Perth Waterworks, is of international importance. This discovery challenges long held perceptions regarding the places held by James Bogardus and his US

contemporaries in the birth of cast iron façade construction. Whilst no-one would seek to degrade the importance of Bogardus' contribution, he was not the first (by some considerable way), and there is a distinct, if circumstantial, link back to Scotland and Perth Waterworks.

The rate of emergence of firms with architectural specialisms in the 19th century was incredible. Yet once we start to consider these firms in more detail, key firms become increasingly apparent. The range and extent of their work we begin to define, and their biographical context provides increasing clues as to the complex inter-relationships between firms.

The five key firms of Milton, Saracen, Elmbank, Lion and Sun stand out but especially the 'golden triangle' of Sun, Lion and Saracen.

It is Saracen and the vision of Walter Macfarlane that sits at the heart of Scottish expertise and industry in this field.

So what of his, and the other Scottish firms' international peers?

The firms of J W Fiske (founded 1862) and J L Mott (founded in 1828) in the United States were comparable in some areas of manufacture, particularly fountains, but Fiske largely outsourced the patternmaking and foundry work to others. J L Mott was more akin to the Scottish firms in philosophy and approach, in developing new technologies for stoves and registering patents, but also in using in–house expertise.

At the Centennial Exposition in Philadelphia, 1876, the firm exhibited an elaborate cast iron fountain known as *The Boy with*

the Leaking Boot, 25 feet tall, which was exhibited by the company. All of the modelling of architectural forms, basins and figures were completed by the firm using the lost wax process more commonly employed by bronze founders. The lowest "pan" or basin was 10 feet in diameter, said at the time to have been the largest such cast-iron basin in the United States.[1]

At the same time, Scottish firms had produced many comparable fountains, larger in scale and more intricate in design. The international impact of the Scottish industry is not currently well understood and it is hoped that this work can act as a platform for further research in this area.

The European founders of course, were in some respects the pinnacle of achievement in foundry work, but largely known for their bronze work. Using lost wax methods of casting this more sculptural form of work, had a pedigree going back hundreds of years. Few utilised cast iron as a decorative or architectural medium. One notable exception was Antoine Durenne (1822–1895) whose Vald'Osne works were active from around 1847-1930, and used both bronze and cast iron, mostly for fountains.

The Edinburgh gunsmith, Daniel Ross, saw a large cast iron fountain by Durenne at the Great Exhibition in 1862 and bought it for Edinburgh where it was erected in Princes Street Gardens in 1869. Now known as the Ross Fountain, this piece of architectural and sculptural work ironically may be considered as the best piece of cast ironwork of its type in Scotland. Yet for his mastery of the art, Durenne and other European firms did not match the Scottish firms for output or global reach.[2]

The foundry at Coalbrookdale has attained almost mythical status, mostly due to its associations with its role in the industrial revolution via the ironworks and in the construction of the remarkable Iron Bridge in 1780. This is correctly considered an engineering masterpiece of the time. As we have seen from the eventual demise of the industry throughout the UK in the period of amalgamation and takeover, the strength of feeling against Coalbrookdale in Scotland was curiously strong. Perhaps, this is largely because of the role of Allied Iron Founders and their Coalbrookdale focus, but there has long been a tension.

The expertise of design, patternmaking and casting at Coalbrookdale from the beginning was impressive, and the reason why the owners of Carron lured staff to Scotland. The quality of their fine decorative work is exquisite, but largely restricted to domestic ornament in umbrella stands, benches and seats. They did however manufacture a number of fountains of high quality, along with ranges of gates and railings. Their 1875 catalogue provides good examples, but the ranges are not extensive, and the extant works indicate they were not prolific in the larger market. Examples of drinking and spray fountains are shown with a limited number of pure architectural pieces illustrated – a conservatory and shop front design, both very reminiscent of Saracen work.

A number of showcase pieces illustrate their potential. The gates designed by Charles Crookes, and made by the firm for the 1851 Great Exhibition, were latterly installed in Hyde Park and are beautiful in craftsmanship and execution. With a small hint of irony, bomb damage during the Second World War was repaired not by Coalbrookdale but by Lion Foundry in Kirkintilloch.

They could literally produce the goods whenever they wished but larger scale work was not their comfort zone, and some of the constructional detailing did not compare to the Glasgow firms. A notable example was the fountain made for Lurgan in 1888, also found in Mesnes Park, Wigan and Weston Super Mare. Restoration works in 2002 allowed detailed examination of its design and construction. The quality of casting was generally high, but it failed in the way it had been designed as an assembly of components, with seemingly limited thought to its long term structural integrity and performance.

Coalbrookdale were of the highest quality in their largely domestic ranges, which interestingly bear strongest resemblance to the work of Falkirk Ironworks, an offshoot of Carron with a similarly domestic focus. They did not match the diversity and range of the major Scottish firms, or even come close.

It would be easy to associate Saracen and Scottish success in this field by pure reputation alone. The fawning biographical accounts of the firm and the exceptionally astute self promotion mark them out as different. However, the sheer proliferation of works of significant scale and quality sets them considerably apart from the others. Lion and Sun come very close in terms of quality of design and execution, and in some notable instances surpass the work of Saracen, but the four men who founded these firms – Jackson, Hudson and Brown at Lion and Smith at Sun, all learned their trade at Saracen under Macfarlane, Marshall and Russell.

Technology and the process of manufacture aside, Lion and Sun slavishly copied the Saracen philosophy when it came to marketing and sales to good effect, but it was in their attention to design,

detail and execution that an informed eye can discern a deeper influence. Minimalism in extraneous engineering, re-use of patterns from other projects and creation of a signature look-through design association are prevalent in the work of all.

Smith was perhaps the least capable or certainly least fortunate businessman of the three. His work was brief but outstanding in all aspects with a strong style ethic. Only later permutations of the firm lived up to the quality of the name when they used the earliest of designs and patterns.

The Lion partners were more balanced in approach, and in Robert Hudson had their own Macfarlane aspirant. They understood the importance of good quality design and their association with Leitch, father and son, was extremely important. The Leitch family are worthy of further investigation, particularly the art nouveau influence. In the manufacture of bandstands, Lion particularly challenged Saracen. Their key attribute in survival however, was the way in which they adapted to changing tastes. Their focus on building façades sustained them when many other firms failed, and whilst they would undertake any iron founding work they could in the final twenty years, they were the last of the five key firms to survive.

The Saracen pedigree continues to build relentlessly. Despite a lack of business archives on which to build a solid research base, they must be considered as one of the most important architectural iron founders in the world. The discovery of the Thomas Russell papers and the detailed account of the early years of the firm's establishment have been of crucial importance to this research. The role of the Russell family has become much clearer,

particularly in funding the enterprise initially, and financially keeping a tight grip on the reigns.

Yet it is Walter Macfarlane who remains the key.

His complaining tones in letters to his father-in-law about finance in the early years are quickly replaced by commercial acumen and incomparable vision and self belief. Thomas Russell clearly attributes the success of the firm to him and presents a deferential tone. His brother-in-law was clearly older, but it is more than that. Russell understands that Macfarlane cuts out the middle man and goes to town on marketing and the 'kit of parts' philosophy. Right from the start he pushes to create the myth around Saracen which becomes the self-fulfilling prophecy. Whilst in the Glasgow paper Bailie describes him as 'crotchety and impractical' in 1876, no-one could be critical of his drive. The three stages of the firm in reaching its peak track from the Saracen lane foundation, to the designed custom premises at Washington Street, to the creation of an entire suburb in the North of Glasgow in Possilpark. The Possilpark Foundry, and its social environs, was breathtaking in its scale and aspiration.

The contribution of the firm to the architectural ironworking legacy has only recently been realised. The work of Hume and Gilbert Herbert, followed by Graeme E Robertson, brought to the attention of Scots a firm that seemed to be better known overseas. The publication of *O Sonho E A Tecnica* by Cacilda Teixeira Costa in 1994 was remarkable in that here was a Brazilian author writing about a Scottish firm and its contribution.[3] The reproduction of the 6th Edition of the Macfarlane's Castings volumes by the Historical Arts and Casting firm in Utah in 1992, re-inforced that

the profile the firm enjoyed overseas had been largely forgotten about in Scotland.

The footprint of the site remains bounded by the original street layout. Macfarlane's intentions can still be understood from catalogue illustrations and prose of the period and the physical presence which still remains in part. On Craighall Road, travelling from the city, the road takes a slight turn onto what becomes Saracen Street. Saracen Street runs for one mile uphill and at the brow of the hill around half a mile from the works, the perpendicular façade of the foundry was clearly visible. Workers' housing radiates out in surrounding streets but the streets were laid out to accentuate the idea that Saracen Street led directly to the front door.

It was designed to have presence. It articulated the sense of grandeur and aspiration which was so fundamental to the success of the firm and its founder. We see it in his house at 22 Park Circus, but also in his work, from the No 20 Fountain Canopy towering over his competitors versions, to the fish scaled cupolas above buildings, glasshouses and Indian palaces.

From almost 4,000 iron structures made or found in Scotland and tracked and located by The Scottish Ironwork Foundation since 2002; 1,242 structures or 31% were made by the Saracen Foundry of Walter Macfarlane & Co and can be located as far apart as India, Argentina, Australia, Malaysia, Vancouver and Greece. Yet this figure remains but a fraction of the output of the firm. It is a weekly occurrence in which significant structures are identified in far corners of the world and another Saracen project is added to the database.

Scotland has almost been enthusiastic in the destruction of its industrial heritage. So much has been lost, but it is intriguing that we can tell so much about our past from the structures we shipped across the globe.

The hitherto unknown innovations at Perth Waterworks and Fairfield House Glasshouse illustrate Scotland's pioneering role in the early years which has not been internationally appreciated. For the first time, Corio Villa in Geelong has had its origins determined, yet it has been referenced as a building of international significance in pre-fabrication technology for 40 years.

It is hoped that further research, and publication of these structures in particular, can redress that balance. Scotland perhaps deserves a much higher standing than it has hitherto received in this area.

At its peak, around 1870–1890, the major Scottish firms were hugely prolific, producing a dazzling array of goods and structures sold to enthusiastic clients who saw a cache in ironwork from Glasgow and certain firms in particular. The quality of design and execution stands against the best in the world, and no other country had a firm of the stature of Saracen Foundry.

These Scottish firms were prolific, successful and innovative. They were a product of technological and social evolution, driven by shrewd businessmen and talented artisans. Their significant contribution to a global architectural form should now be recognised.

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The Development of the Architectural Iron Founding Industry in Scotland

Volume III

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8.1 Appendix 1

Structures List

The Scottish Ironwork Project was established in 2002 by Mitchell and Laing as a method of promoting architectural ironwork made or found in Scotland, and to create awareness of this sector. This led to the creation of The Scottish Ironwork Foundation, an unincorporated association of people with an interest in the topic and who contribute to the compilation of the database.

They are;

David Mitchell	Director of Conservation, Historic Scotland
Andrew C Laing	Owner of the Beaverbank Foundry, Edinburgh
Jim Fleming	Bandstand specialist
John Bolton	Civil Engineer
Ali Davey	Historic Scotland, Forged Metalwork Specialist
Gordon Urquhart	Glasgow City Heritage Trust, Architectural Historian
Robin Murdoch	Engineer and Historian

The original list came from paper records and archive information collected by Mitchell and Laing, and other members of the team brought their own records and information as a contribution. Business records such as the Lion Foundry Archive were particularly helpful, internet searches, general company promotional literature, Statutory Lists in the UK (although these were often found to be inaccurate), and by public contribution from across the world via www.scottishironwork.org where like-minded individuals have brought long forgotten structures to our attention

or have sought archive information from us to aid conservation work.

The database has been built in Microsoft Excel and stored online in an FTP site. The database gives a unique reference to each structure or object, records the makers name, foundry name, pattern number, location and condition at the time of entry. Notes are made and the structure is designated according to type. The designation type used is broadly that employed by Walter Macfarlane & Co in their 6th Edition catalogue, being;

Bandstands
Ornamental or Spray Fountains
Drinking Fountains
Entrance Canopies
Balconies
Shelters
Railings
Buildings
Gates
Lamp Standards
Building Ornamentation (terminals, cresting, finials)
Graveyard Memorials and Features
Bridges
Street Furniture
Clocktowers
Balusters (internal)
Glasshouses
Other

The ‘other’ category is used for those structures which do not logically fit into the other designations.

As at November 2011 the database had 3753 entries which are included here. Structures which are known to have been made or found in Scotland are also included, as are those which we suspect to be Scottish in origin but have yet to be confirmed.

SIF No	Manufacturer	Foundry / Firm	Type	Pattern No.	Description	Street	Town	Condition	Notes
28913	A & J Main & Co	Glasgow	ga		Gigha estate gates	Achamore House	Gigha Argyll & Bute	excellent	maker's name on posts ... pho
27671	A & J Main & Co	Glasgow	ga		Ballachulish park gates	Jubilee Park	Ballachulish Highland	good	name on base of one pillar ...
28608	A & J Main & Co	Glasgow	ra		railings	Cameron Mausoleum	North Ballachulish	stable	mausoleum ... maker's name
27659	A & J Main & Co ?	Glasgow	ga		Fort William gate 3	Fassifern Road	Fort William Highland	stable	note J Bolton 07.2008
417	A & J Main & Co Ltd	Glasgow	br		Ford Heatherslaw bridge	Heatherslaw Mill	Northumberland	good	for fence posts! Small cast ma
28955	A & J Main & Co Ltd	Glasgow	ga		Onich Church gates	Church	Onich Highland	good	Glasgow & London ... photos &
28484	A & L Clark	Glasgow	ra		Campbeltown grave railings 05	Kilkerran Road Cemetery	Bute	stable	this maker ... photos & note J
26547	A Ballantine & Sons	Bo'ness	ct		Bo'ness clocktower	Market Place	Bo'ness Falkirk	good	Ballantine's (plaque on columr
27226	A Locke	Edinburgh	ra		Edinburgh Calton Hill railing 1	Calton Hill	Edinburgh	stable	bottom of steps ... photo J Bol
27765	A McLeod & Co	Glasgow	ga		Tain churchyard gates 1	Street	Highland	stable	on top rail of railings ... only kn
27782	A McLeod & Co	Glasgow	ra		Tain churchyard railing	Street	Highland	good	top rail of railings ... only know
28186	A Stewart & Co	Glasgow	st		Grenada Museum mileposts	Moncton Street	West Indies	good	example from this maker know
26460	Engineers	Deptford London	fd		fountain	Market Place	Yorkshire	excellent	made (or badged) by someon
28107	Ltd	Galashiels	ga		Stornoway Goathill Road (R) gates	Goathill Road	Western Isles	excellent	Bolton 06.2008 ... pattern No 3
27515	Ltd	Galashiels	ot		Galashiels Aimers McLean & Co Ltd	Huddersfield Street	Borders	lost	Aimers family c 1744 !! becam
26653	Ltd	Galashiels	ra	1226	Stornoway Goathill Road (R) railings	Goathill Road	Western Isles	good	visible on gate posts, maker's
26936	Alex Russell	Kirkcaldy Foundry	st		Newport-on-Tay milepost	Boat Road	Newport-on-Tay Fife	excellent	marked on top (note zero mile
27098	Alloa Iron Co	Alloa	bu	42	Pitlochry roof finial 1	Atholl Street (north side)	Kinross	good	finial as illus in catalogue... ph
27825	Alloa Iron Co	Alloa	ga	1228	Newton Stewart gates 3	Station Road	Dumfries & Galloway	excellent	Alloa Reg Design No 1228 in
27600	Alloa Iron Co	Alloa	ga		Rogart gate	Rogart A839 nr Station	Highland	good	paint on bottom rail ... as Alloa
27043	Alloa Iron Co	Alloa	ra	1224	Anstruther railings 1	Crail Road	Anstruther Fife	stable	design in Alloa Iron Co catalog
27830	Alloa Iron Co	Alloa	ra		Newton Stewart railings 3	Station Road	Dumfries & Galloway	excellent	Alloa Reg Design No 1228 in
27592	Alloa Iron Co	Alloa	ra	1218	Rogart railing	Rogart A839 nr Station	Highland	good	paint on bottom rail of gate ...
28319	Alloa Iron Co ?	Alloa	ec		Southport WestcliffeRoad canopy	Westcliffe Road	Southport Lancashire	excellent	an Alloa Iron Co catalogue c18
27743	Alloa Iron Co ?	Alloa	ga		Thurso gate 2	Smith Terrace	Highland	good	associated with Alloa pattern r
27695	Alloa Iron Co ?	Alloa	ga		Wick Old Parish Church gates	Road	Highland	good	note J Bolton 06.2008, update
26906	Alloa Iron Co ?	Alloa	ga		Sanquhar gates 2	Glasgow Road	Galloway	good	Iron Co ... photos & note J Bol
28409	Alloa Iron Co ?	Alloa	ra	1216	Lerwick St Olaf Street railings 05	St Olaf Street	Lerwick Shetland	good	advertised similsr railing but di
26794	Alloa Iron Co ?	Alloa	ra		Wick railing 02	Street	Highland	good	Alloa Ironworks cat 1898 has a
26855	Alloa Iron Co ?	Alloa	ra		Sanquhar railings 2	Glasgow Road	Galloway	good	catalogue ... photos & note J B
28254	Alloa Iron Co ?	Alloa	ra	1253	Beamish Museum Ravensworth railing 2	Ravensworth Terrace	Beamish Durham	good	(see entry for Gate 2) ... but C
28407	Alloa Iron Co ?	Alloa	ra	1216	Lerwick St Olaf Street railings 03	St Olaf Street	Lerwick Shetland	good	advertised similsr railing but di
28253	Alloa Iron Co ?	alloa	ra	1253	Beamish Museum Ravensworth gate 2	Ravensworth Terrace	Beamish Durham	good	1898 catalogue, but Carron ma
28419	Alloa Iron Co ?	Alloa	ra	1314	Lerwick St Olaf Street railings 15	St Olaf Street	Lerwick Shetland	good	connection ref railing 18 ... pho
27579	Alloa Iron Co ?	Alloa	ra		Lairg railing 2	A832 north	Highland	good	but others made similar ... pho
27832	Alloa Iron Co ?	Alloa	ra	1242	Newton Stewart railings 5	York Road	Dumfries & Galloway	good	1898, but also Sun Foundry G
27588	Alloa Iron Co ?	Alloa	ra		Broadford grave railing 1	B8083	Highland	stable	made similar ... photos & note
562	Alloa Iron Company	Sun Foundry Alloa	ec		Alloa entrance canopy 2	Clackmannan Road	Clackmannanshire	stable	different design .... unusual lac
561	Alloa Iron Company	Sun Foundry Alloa	ec		Alloa entrance canopy 1	Clackmannan Road	Clackmannanshire	at risk	(Alloa) work. George Smith mo
26020	Anderson	Edinburgh	ga		Edinburgh St Andrew Square RBS gates	St Andrew Square	Edinburgh	excellent	obscured) ...smaller similar ga
25768	Anderson	Edinburgh	ga		Melrose Gledswood gates	Gledswood nr Old Melrose	Borders	good	dating from c1820 ... photo J
25767	Anderson	Edinburgh	ga		Edinburgh Leith Trinity House gates	Trinity House, Leith	Edinburgh Leith	good	then. Marked Anderson on pil
27215	Anderson ?	Edinburgh	ga		Edinburgh Leith gate pillars	South Leith Parish Church	Edinburgh Leith	stable	could be 'Anderson Edinburgh
28366	Andrew Handyside & Co	Britannia Foundry Derby	br		Nottingham Trent Bridge ironwork	Trent Bridge	Nottingham	excellent	Scottish firm but Andrew Hand
26386	Ltd	Britannia Works Derby	fo		Penang Koh Seang Tat fountain	Street	Malaysia	good	fountain dated 1889 . Howeve
506	France	Durenne	fo		Edinburgh Ross Fountain	Princes Street Gardens	Edinburgh	good	ornamental cast ironwork in S
27291	Ltd	Glasgow	br		Dunblane station overbridge	Dunblane Station	Dunblane Stirlingshire	good	piers ... columns marked with
27089	Ballantine & Co	Bo'ness	ga		Dundee Baxter Park gates	Baxter Park Arbroath Road	Dundee	excellent	Ballantines to replace originals
26553	Works Ltd	Bo'ness Iron Works	ra		Bo'ness railing 1	Links Road	Bo'ness Falkirk	stable	... photo & note J Bolton 01.20
28337	Barry, Henry & Cook Ltd	Loch Street Aberdeen	ra		Aberdeen St Nicholas graveyard railings	Union Street / Back Wynd	Aberdeen	excellent	firm dates from 1790 & is the a
28325	Beath & Keay ?	Dundee	ct		Dundee Hilltown clocktower	Hilltown	Dundee	excellent	in 1900 ... 'Beath & Keay' mar
27870	Bo'ness Iron Co Ltd	Dock Foundry Bo'ness	ga	10	Stranraer gates 09	Lochryan Street	Galloway	good	as Bo'ness No 10 railing & gat
26551	Bo'ness Iron Co Ltd	Dock Foundry Bo'ness	ga		Bo'ness gate 2	Erngath Road	Bo'ness Falkirk	stable	(registered dsign) in suppleme
27689	Bo'ness Iron Co Ltd	Dock Foundry Bo'ness	ga		Wick gate 16	Street, West Banks Ave	Highland	good	gate & railings as illus in 1937
28596	Bo'ness Iron Co Ltd	Dock Foundry Bo'ness	la		Coatbridge lamp pillars 2	Summerlee Heritage Centre	Lanarkshire	excellent	Centre - presumably formerly
27120	Bo'ness Iron Co Ltd	Dock Foundry Bo'ness	la		Carlops lamp pillars	Hotel	Borders	good	base, undecipherable maker's

27855	Bo'ness Iron Co Ltd	Dock Foundry Bo'ness	ra	10	Stranraer railings 14	Lochryan Street	Galloway	good	Bo'ness No 10 gate & railing ir
26555	Bo'ness Iron Co Ltd	Dock Foundry Bo'ness	ra	350	Bo'ness railing 3	Erngarth Road	Bo'ness Falkirk	stable	bottom rail, but no maker's ma
28413	Bo'ness Iron Co Ltd	Dock Foundry Bo'ness	ra	375	Lerwick St Olaf Street railings 09	St Olaf Street	Lerwick Shetland	good	... photos & note J Bolton 02.2
27708	Bo'ness Iron Co Ltd	Dock Foundry Bo'ness	ra		Wick railing 17	Avenue	Highland	good	16 ... Bo'ness No 600 as illus i
27476	Bo'ness Iron Co Ltd ?	Dock Foundry Bo'ness	ga		Rhynie gate 2	A97 south of village	Rhynie Aberdeenshire	good	attribution from pattern no on r
27806	Bo'ness Iron Co Ltd ?	Dock Park Bo'ness	ga	121	Gatehouse of Fleet gates	Church Street	Dumfries & Galloway	good	also similar to George Smith N
27980	Bo'ness Iron Co Ltd ?	Dock Foundry Bo'ness	ga		Stornoway Matheson Road (R) gate	Matheson Road	Western Isles	excellent	catalogue 1909 ... photos & n
27718	Bo'ness Iron Co Ltd ?	Dock Foundry Bo'ness	gr	14	Wick grave railing 1	Cemetery South Road	Highland	stable	Thurso Road c.v. ... photos &
28394	Bo'ness Iron Co Ltd ?	Dock Foundry Bo'ness	ra	22	Lerwick King Harald Street railings 04	King Harald Street	Lerwick Shetland	good	is a strange hybrid ... photos &
26669	Bo'ness Iron Co Ltd ?	Dock Foundry Bo'ness	ra		Stornoway Matheson Road (R) railings	Matheson Road	Wester Isles	good	catalogue 1909 ... photos & nc
27805	Bo'ness Iron Co Ltd ?	Dock Park Bo'ness	ra		Gatehouse of Fleet railing 2	Church Street	Dumfries & Galloway	good	J Bolton 07.2008, updated 01.
28410	Bo'ness Iron Co Ltd ?	Dock Foundry Bo'ness	ra	10	Lerwick St Olaf Street railings 06	St Olaf Street	Lerwick Shetland	good	Bolton 02.2009
27305	Burnbank Foundry	Burnbank Foundry Falkirk	ra	110	Dunblane riverside railing	riverside walkways	Dunblane Stirlingshire	good	Burnbank standards No 110 -
26666	C Laing & Sons	Edinburgh	ra		Edinburgh Meadows railing 1	Place	Edinburgh	excellent	created by C Laing & Sons fro
26967	C Macfarlane	Dundee	br		Ballindalloch Bridge plaque	Ballindalloch railway bridge	Cragganmore Moray	stable	bridge ... also railings qv ... ph
26968	C Macfarlane	Dundee	ra		Ballindalloch Bridge railings	Ballindalloch railway bridge	Cragganmore Moray	stable	iron girder bridge ... neatly det
28831	Ltd	Kirkintilloch	la		Harrogate lamp pillar (originally)	not identified	Harrogate Yorkshire	excellent	company (1867 - 1981) ... und
27761	Carron Co ?	Stirlingshire	gr		Tain grave railing 2	Street	Highland	poor	Carron No 9 railing in cat ... ph
26638	Carron Company	Carron Stirlingshire	bc		Llandudno Marlborough Hotel verandah	Edward Square	Wales	good	catalogue c1920 .. photo J Bol
25942	Carron Company	Stirlingshire	bc		Perth balcony railing 3	Atholl Street South side	Perth Perth & Kinross	excellent	same design exists in Chelten
159	Carron Company	Stirlingshire	bc		Cheltenham balcony	elsewhere	Gloucestershire	good	design balconies by Carron Co
26496	Carron Company	Stirlingshire	bu		Carron Company gatehouse	Carron Avenue	Stirlingshire)	stable	Carron Company, incorporatin
26608	Carron Company	Stirlingshire	bu		Harrogate Pumproom Annexe / Museum	Crescent Road / Royal	Yorkshire	excellent	Leonard Clarke (info plaque o
422	Carron Company	Stirlingshire	bu		London Harvey Nichols façade	Street Knightsbridge	London	good	Carron Company (?source) - p
26451	Carron Company	Stirlingshire	ec		(lost)	Townend Bank	Walsall Staffordshire	lost	Ward, it could hold up to 2,00
26450	Carron Company	Stirlingshire	ec		(lost)	Henry St / Howard St	Rotherham Yorkshire	lost	in 1932, closed 1959, demolis
28161	Carron Company	Carron Stirlingshire	ga		Canada Halifax NS Legislature gates	Street	Canada	excellent	maker's name on pier bases ..
26785	Carron Company	Carron Stirlingshire	ga		Wick gate 02	Thurso Road	Highland	good	bottom rail of gate, also assoc
27630	Carron Company	Stirlingshire	ga	111	Alness gate 1	Obsdale Road	Alness Highland	good	Carron catalogue 1902 ... pho
28093	Carron Company	Stirlingshire	ga	111	Stornoway Goathill Road (J) gate	Goathill Road	Western Isles	excellent	& note J Bolton 06.2008 ... pat
26498	Carron Company	Stirlingshire	gr		Larbert Bruce memorial 2	Larbert Old Church car park	Stirlingshire)	good	Carron Co (DSM) see also se
542	Carron Company	Stirlingshire	gr		Larbert Bruce memorial 1	Park	Stirlingshire)	at risk	wife. Bruce of Kinnaird is credi
26546	Carron Company	Carron Foundry	gr		Carriden grave railing 2	Carriden churchyard	Falkirk	good	founder of the Carron Compar
26508	Carron Company	Stirlingshire	gr		Larbert grave railing gates	Larbert Cross Graveyard	Stirlingshire)	stable	(see also railings) .. therefore
26507	Carron Company	Stirlingshire	gr		Larbert grave railing 5	Larbert Cross Graveyard	Strilingshire)	stable	graveyard, q.v., therefore ass
26506	Carron Company	Stirlingshire	gr		Larbert grave railing 4	Larbert Cross Graveyard	Stirlingshire)	stable	of graveyard & mausoleum , th
26102	Carron Company	Stirlingshire	la		pillars 2	Victoria Embankment	London	excellent	tram/trolley bus wires, marked
420	Carron Company	Stirlingshire	la		bollards/lamps	Stuart St; Ferry Rd ...	Edinburgh	good	junctions eg at Gt Stuart Stree
520	Carron Company	Stirlingshire	ot		Brodick Castle kitchen range	Brodick Castle	Ayrshire	excellent	range with nameplate.
28202	Carron Company	Stirlingshire	ot		Antigua Nelson's Dockyard Carronades	Nelson's Dockyard	Antigua West Indies	excellent	Dockyard Heritage Area ... ph
28136	Carron Company	Carron Stirlingshire	ot		Barbados Cannon(s)	Gun Hill	Barbados West Indies	excellent	Carron Co were originally fam
26452	Carron Company	Stirlingshire	ra		Wallasey Egremont railings	Egremont Promenade	Wallasey Wirral	not known	Supplement to Carron catalog
26652	Carron Company	Stirlingshire	ra	111	Stornoway Goathill Road (J) railings	Bramahuie)	Western Isles	good	Bramahuie example - Carron r
27973	Carron Company	Stirlingshire	ra		railing	Matheson Road	Western Isles	good	Laing's Foundry Edinburgh (N
26511	Carron Company	Stirlingshire	ra	110	Larbert railing 2	Main Street	Stirlingshire)	good	(gates have been replaced) ...
28397	Carron Company	Stirlingshire	ra	110	Lerwick King Harald Street railings 07	King Harald Street	Lerwick Shetland	good	photos & note J Bolton 02.200
26453	Carron Company	Stirlingshire	ra		Liverpool Post Office railings	Victoria Street	Liverpool	not known	the surviving shell is being cor
27608	Carron Company	Stirlingshire	ra	133	Ullapool railing 2	West Terrace	Highland	good	catalogue ... photos & note J E
27662	Carron Company	Stirlingshire	ra	111	Strathyre balcony railing	Main Street A84	Strathyre Stirlingshire	good	cat c1896 ...photos & note J B
28440	Carron Company	Stirlingshire	ra	111a	Lerwick Ronald Street railings 01	Ronald Street	Lerwick Shetland	good	in 1937 catalogue! ... photos &
27629	Carron Company	Stirlingshire	ra	111	Alness railing 1	Obsdale Road	Alness Highland	good	Carron catalogue 1902 ... also
27661	Carron Company	Stirlingshire	ra	111	Strathyre railing	Main Street A84	Strathyre Stirlingshire	good	as Carron No 111 illus in cat c
28458	Carron Company	Stirlingshire	ra	138	Lerwick Carron railings	not identified	Lerwick Shetland	not known	museum.org.uk ... location not
26444	Carron Company	Stirlingshire	sh	300	Plymouth Hoe shelters	Plymouth Hoe	Plymouth Devon	good	bases ... illustrated in Carron c
28193	Carron Company	Carron Stirlingshire	st		Grenada St George's telephone booths	The Carenage	West Indies	stable	as smart as the tourist literatur
27240	Carron Company	Carron Stirlingshire	st		Edinburgh Ferry Road bollard	Road	Edinburgh	stable	Street qv & Great Stuart Stree
25718	Carron Company	Stirlingshire	st		Edinburgh police box 1	Morningside Cross	Edinburgh	stable	now redundant & some conve

25719	Carron Company	Stirlingshire	st		Edinburgh police box 2	Morningside Road	Edinburgh	excellent	Edinburgh police boxes. Note
27168	Carron Company ?	Stirlingshire ?	bc		Glasgow Claremont balconies	Claremont Terrace	Glasgow	excellent	honeysuckle railing originally c
27171	Carron Company ?	Stirlingshire ?	bc		Glasgow Sauchiehall Street balconies 2	Street	Glasgow	good	Company ... see also Edinbur
26314	Carron Company ?	Stirlingshire	gr		railing 2	St Mary's Church	Lothian	stable	unmarked pillars could be Car
27233	Carron Company ?	Stirlingshire ?	gr		Edinburgh Cramond grave marker 3	Cramond Cemetery	Edinburgh Cramond	stable	wife of Alexander Cadell, died
27231	Carron Company ?	Stirlingshire ?	gr		Edinburgh Cramond grave marker 1	Cramond Cemetery	Edinburgh Cramond	stable	William Cadell died 1844 ... pc
516	Carron Company ?	Stirlingshire ?	gr		Whitburn grave marker (Burns)	Whitburn South Kirk	Whitburn West Lothian	stable	whose birth was commemorat
26503	Carron Company ?	Stirlingshire	la		Larbert Old Church gate pillar lamps	Cross	Stirlingshire)	stable	maker's marks, but from the s
537	Carron Company ?	Stirlingshire	la		Larbert Old Church lamp pilllars	Cross	Stirlingshire)	good	like a Carron design.... note &
27948	Carron Company ?	Stirlingshire	ra	111	railings	Matheson Road	Western Isles	good	railings appear to be by Lion)
27577	Carron Company ?	Stirlingshire	ra	111	Lairg railing 3	Station Road A836	Highland	good	Alness & Stornoway q.v.) ... pl
28506	Carron Company ?	Stirlingshire	ra		Ilfracombe Wilder Road railings 03	Wilder Road	Ilfracombe Devon	good	photos & note J Bolton 04.200
27716	Carron Company ?	Stirlingshire	ra		Wick Old Parish Curch railing	Argyll Street	Highland	good	photos & note J Bolton 06.200
28809	Charles D Young & Co	Edinburgh	bu		Geelong Corio Villa	Beach	Australia	excellent	Bell & Miller, architects and en
26342	Charles D Young & Co	Edinburgh	gl		Belfast Botanical Gardens palm house	Botanical Gardens	Ireland	good	Dublin 1840.. elliptical domed
26083	?	Edinburgh	bu		Sydney church building (lost)	Macquarie Street	Wales Australia	lost	Robertson / Joan Robertson
27792	Charles Robertson	Edinburgh	bu		Bonnyrigg shopfront columns	High Street	Bonnyrigg Midlothian	good	photos & note J Bolton 05.200
27091	Chris Topp & Co Ltd	Thirsk	bo		Dundee Morgan Academy roof terminals	Pitkerro Road	Dundee	excellent	severe fire damage in 1999 ...
26593	Christie & Smith	Atlas Foundry Glasgow	la		Street)	formerly at People's Palace	Glasgow	unknown	outside the People's Palace, p
505	Coalbrookdale Co	Coalbrookdale	fd		fountain	The Square	& Galloway	good	... plate states 'Jubilee lamp er
28346	Coalbrookdale Co	Coalbrookdale Shropshire	fd		Somerton drinking fountain	village centre	Somerton Somerset	excellent	maker's name on side ... no S
26810	Coalbrookdale Co	Coalbrookdale	fd		Aberystwyth drinking fountain	Great Darkgate Street	Ceredigeon Wales	good	(erected 1852 demolished 195
26631	Coalbrookdale Co	Coalbrookdale Shropshire	fo		fountain	Devonport North Shore	Zealand	stable	maker's name on base ... phot
26445	Coalbrookdale Co	Shropshire	fo		Lurgan Jubilee fountain	Lurgan Park	Ireland	good	Heritage Engineering, Glasgo
27029	Coalbrookdale Co	Coalbrookdale	fo		Redditch fountain	Church Green	Redditch	excellent	(www)... refurbished 1883 & c
25745	Coalbrookdale Co	Coalbrookdale	fo		Weston-super-Mare promenade fountain	promenade	North Somerset	excellent	confusion - Coalbrookdale nar
25753	Coalbrookdale Co	Coalbrookdale	fo		fountain	Ironbridge Gorge Museum	Shropshire	excellent	outside the Museum of Iron (w
26632	Coalbrookdale Co	Coalbrookdale Shropshire	fo		fountain	Botanic Gardens	Zealand	excellent	painted ' in controversial colou
25829	Coalbrookdale Co	Coalbrookdale	fo		Kilmarnock Kay Park fountain (lost)	Kay Park	Ayrshire	lost	fountain was on the flat area a
28152	Coalbrookdale Co	Coalbrookdale	fo	38	Bathurst fountain	Machattie Park	Wales Australia	good	Coalbrookdale No 38 (?) Foun
156	Coalbrookdale Co	Coalbrookdale	ot		Newtown church ironwork	Zion Baptist Chapel	Wales	not known	'Decorative Cast-ironwork in W
26830	Coalbrookdale Co ?	Coalbrookdale	ec		Old Colwyn pavement canopy 1	Abergele Road A547	Wales	stable	columns undecipherable ... att
28268	Coalbrookdale Co ?	Coalbrookdale Shropshire	fo	8	Burntisland Kingswood fountain	Kingswood Hotel	Burntisland Fife	good	on tripod base' as illus in cata
28779	Coalbrookdale Co ?	Coalbrookdale Shropshire	ga		Edinburgh Bonaly Tower gates	Bonaly Tower	Edinburgh	good	pattern as marked gates & pill
26956	Company	Coalbrookdale Shropshire	la		Grantown-on-Spey lamp pillar 1	High Street	Highland	good	fountain dated 1900 ... the ide
28948	Cottam & Company	Winsley Street London	ga		Skipness Castle gates	Skipness Castle	Argyll & Bute	good	on base of pillars ... photos &
28269	Cruickshank & Co Ltd ?	Denny	ra		Stow railing	A7 at N end of Stow	Stow Scottish Borders	good	Cruickshank marked railings ir
28390	Cruikshank& Co	Denny	ra		Lerwick Burgh Road railings 12	Burgh Road	Lerwick Shetland	good	known example by this firm of
355	George Smith & Co ?	Foundry Glasgow ?	fd		Glasgow Govan Cross drinking fountain	Govan Cross	Glasgow Govan	poor	drinking fountain by Cruicksha
28368	D Monk & Co	Preston	ec		Southport 025 Lord Street canopy	Street etc	Southport Lancashire	good	... photos & note J Bolton 02.2
26429	Foundry Co Ltd ?	Howick Place Westminster	sh		Portsmouth Southsea bus shelter	Clarence Esplanade	Hampshire	stable	to have been made in Westmi
28550	David King & Sons	Glasgow	ba		Halifax People's Park bandstand	People's Park	Halifax West Yorkshire	excellent	columns are marked 'A Dougil
28237	David King & Sons	Glasgow	bu		Lochearnhead Scout Station ironwork	station building	Perthshire & Kinross	excellent	steel brackets) with maker's tr
26041	David King & Sons	Glasgow	ec		Southport 517 Lord Street canopy	Casa Italia 517 Lord Street	Southport Lancashire	good	columns ... note & photo J Bol
26037	David King & Sons	Glasgow	ec		Southport 397 Lord Street canopy	397-421 Lord Street	Southport Lancashire	good	'David King & Sons Keppoch I
28367	David King & Sons	Glasgow	ec		Southport 001 Lord Street canopy	Duke Street	Southport Lancashire	good	photos & note J Bolton 02.200
26044	David King & Sons	Glasgow	ec		Southport 127 Lord Street canopy	Street	Southport Lancashire	good	& photo J Bolton 05.2005
28372	David King & Sons	Glasgow	ec		Southport King Street canopy	King Street / Market Street	Southport Lancashire	good	... photos & note J Bolton 02.2
26602	David King & Sons	Glasgow	fd		Dunbar drinking fountain 2006	ex Bayswell Park	Dunbar East Lothian	excellent	crudely repaired but repainted
26183	David King & Sons	Glasgow	ga	70	Dingwall A834 gate 1	A 834 Caberfeidh Terrace	Dingwall Highland	good	(qv) marked David King & Co
28882	David King & Sons	Glasgow	la		Southend-on-Sea lamp pillars	Terrace	Essex	good	base of some ... photo & note
26181	David King & Sons	Glasgow	ra	70	Dingwall A834 railing 1	A 834 Caberfeidh Terrace	Dingwall Highland	good	70 - 1'9" David King & Sons G
27754	David King & Sons	Glasgow	ra		Thurso church railing 2	Episcopal Church	Highland	good	... stepped railings with decora
28806	David King & Sons	Possilpark Glasgow	ra	174	Perth (Aus) Art Gallery railings & gate	James Street Mall	Australia	good	Art Gallery complex ... maker's
27576	David King & Sons	Glasgow	ra		Lairg railing 1	Main Street A839	Highland	good	known ... photos & note J Bolt
28381	David King & Sons	Glasgow	ra		Lerwick Burgh Road railings 03	Burgh Road	Lerwick Shetland	good	but same railing & pillars in Th
25975	David King & Sons	Glasgow	ra		Penarth Pier railings	Pier	Glamorgan Wales	excellent	panels - maker's name on low

26057	David King & Sons	Glasgow	sh		Southport Marine Lake shelters	Promenade / Marine Lake	Southport Lancashire	good	Lake, each plated 'Supplied to
350	David King & Sons ?	Glasgow	fd		moved)	Bayswell Park	Dunbar East Lothian	moved	missing, in need of paint ... ph
26791	David King & Sons ?	Glasgow	ga		Wick gate 06	Street	Highland	good	to David King marked railing ir
26800	David King & Sons ?	Glasgow	ra		Wick railing 08	Thurso Road	Highland	good	pillars identical to marked Dav
28393	David King & Sons ?	Glasgow	ra		Lerwick King Harald Street railings 03	King Harald Street	Lerwick Shetland	good	items ... photos & note J Bolto
28420	David King & Sons ?	Glasgow	ra		Lerwick St Olaf Street railings 16	St Olaf Street	Lerwick Shetland	good	advertised similar railings, but
28569	David King & Sons ?	Glasgow	ra		Cumnock gate	Glaisnock Street	Ayrshire	stable	associated with David King rai
28568	David King & Sons ?	Glasgow	ra		Cumnock railing	Glaisnock Street	Ayrshire	stable	with David King posts & railing
28422	David King & Sons ?	Glasgow	ra		Lerwick St Olaf Street railings 18	St Olaf Street	Lerwick Shetland	good	similar railing but post marking
27710	David King & Sons ?	Glasgow	ra		Wick railing 19	Francis Street	Highland	good	be by David King, but same pa
27666	Dening & Co	Chard Somerset	gr	4	Ballachulish grave marker 6	Saint John's Church	Ballachulish Highland	stable	front ... cf several of this patter
27665	Dening & Co	Chard Somerset	gr	4	Ballachulish grave marker 1	Saint Bride's Church	Highland	stable	& dates c1890s, & maker's na
566	Smith & Co	Bristol / Glasgow	ba		London Southwark Park bandstand	Southwark Park	London Southwark		
25750	Ltd	Bristol	ba		Cardiff Victoria Park bandstand	Victoria Park	Cardiff Wales	excellent	bandstand by Dorothea Resto
203	Company	Dundee	ot		Perth waterworks tank	Fergusson Gallery	Perth Perth & Kinross	excellent	Anderson, Rector of Perth Aca
26223	Falcon Iron Works	Falcon Foundry Inverness	ga		Inverness High Church gates	Church Street	Inverness Highland	good	.. note & photos J Bolton 08.2(
25811	Falkirk Iron Co	Falkirk	bc		Oudtshoorn balconies	not identified	Oudtshoorn	good	Falkirk' ..... town has some spe
26051	Falkirk Iron Co	Falkirk	ec		Southport 104 Lord Street canopy	Lord Street	Southport Lancashire	good	(Scotland was North Britain, al
26047	Falkirk Iron Co	Falkirk	ec		Southport 429 Lord Street canopy	Street	Southport Lancashire	good	& Co .... note & photos J Bolto
27686	Falkirk Iron Co	Falkirk	ga		Wick gate 13	Street, Newton Road, etc	Highland	good	at West Banks Avenue & Nortl
28083	Falkirk Iron Co	Falkirk	ga		Stornoway Goathill Road (C) gate	Goathill Road	Western Isles	stable	bottom rail of railing ... photos
27685	Falkirk Iron Co	Falkirk	ga		Wick gate 12	Newton Road	Highland	good	Falkirk Iron Co pattern No 275
28941	Falkirk Iron Co	Falkirk	ga	275L	Carradale gate & railing	Aird's Place	Bute	good	Iron Co No 275L ... pattern als
26783	Falkirk Iron Co	Falkirk	ga		Fort William gate 2	'Myrtlebank' Achintore Road	Fort William Highland	good	Iron Co railing pattern No 105
27681	Falkirk Iron Co	Falkirk	ga		Wick gate 08	Northcote Avenue, etc	Highland	good	North Road ... associated with
27976	Falkirk Iron Co	Falkirk	ga		Stornoway Matheson Road (M) gate	Matheson Road	Western Isles	stable	using railing panel (see Wick e
27637	Falkirk Iron Co	Falkirk	ga		Sorbie gate	A 746 village centre	Galloway	good	"Falkirk" ' on bottom rail ... phc
26782	Falkirk Iron Co	Falkirk	ga		Fort William gate 1	Road	Fort William Highland	good	No 275 K as illus in c1890 cat
28469	Falkirk Iron Co	Falkirk	ga	275L	Tarbert Pier Road gates & railings 01	Rockfield Pier Road	Tarbert Argyll & Bute	good	at Carradale to the south & in '
66	Falkirk Iron Co	Falkirk	gr		2	Holyrude Cemetery	Stirling	stable	unmarked ... but some of simil
26500	Falkirk Iron Co	Falkirk	gr		Larbert gravemarker 6	Larbert Cross Graveyard	Stirlingshire)	good	may post date the original - no
27069	Falkirk Iron Co	Falkirk	gr		West Linton grave marker 1	Parish Church High Street	Borders	stable	photos & note J Bolton 10.20(
26582	Falkirk Iron Co	Falkirk Iron Works	gr		Falkirk grave railings	yard	Falkirk	good	(info from plaque at gate) ... m
27292	Falkirk Iron Co	Falkirk	gr		Dunblane gravemarker 1	Dunblane Cathedral	Dunblane Stirlingshire	stable	name on bottom edge ... photo
26243	Falkirk Iron Co	Falkirk	gr		Fort William grave railing 2	Cemetery A82 north	Fort William Highland	stable	sunflower terminals ... similar s
28859	Falkirk Iron Co	Falkirk	gr	63	Kingsbarns grave railing	Kingsbarns Church	Kingsbarns Fife	excellent	in catalogue c1890 ... photos &
26269	Falkirk Iron Co	Falkirk	gr		marker 1	Ballengeich Cemetery	Stirling	excellent	two of which are marked Falkir
28412	Falkirk Iron Co	Falkirk	ra		Lerwick St Olaf Street railings 08	St Olaf Street	Lerwick Shetland	good	also elsewhere in town & in St
27706	Falkirk Iron Co	Falkirk	ra		Wick railing 15	Newton Road	Highland	good	on two adjacent properties ... (
28481	Falkirk Iron Co	Falkirk	ra	286C	Campbeltown grave railings 02	Kilkerran Road Cemetery	Bute	stable	maker's name on base ... phot
26802	Falkirk Iron Co	Falkirk	ra		Wick railing 10	Thurso Road area	Wick Highland	good	qv) on & around Thurso Road
26801	Falkirk Iron Co	Falkirk	ra		Wick railing 09	Street, Newton Road, etc	Highland	good	13 ... also at West Banks Aver
28480	Falkirk Iron Co	Falkirk	ra		Campbeltown grave railings 01	Kilkerran Road Cemetery	Bute	stable	Inverness ... photos & note J E
28403	Falkirk Iron Co	Falkirk	ra	275LA	Lerwick King Harald Street railings 13	King Harald Street	Lerwick Shetland	good	c1890 ... pattern also at Storn
26670	Falkirk Iron Co	Falkirk	ra		Stornoway Goathill Road (C) railings	Goathill Road	Western Isles	stable	varying condition ... maker's na
27636	Falkirk Iron Co	Falkirk	ra		Sorbie railing	A 746 village centre	Galloway	good	photos & note J Bolton 07.200
27975	Falkirk Iron Co	Falkirk	ra		Stornoway Matheson Road (M) railing	Matheson Road	Western Isles	stable	Falkirk Iron Co pattern No 275
26776	Falkirk Iron Co	Falkirk	ra		Fort William railing 1	Achintore Road	Fort William Highland	good	Lawriestone (also gate qv), th
26778	Falkirk Iron Co	Falkirk	ra		Fort William railing 3	'Myrtlebank' Achintore Road	Fort William Highland	good	No 104 in 1882 cat ... photos &
26799	Falkirk Iron Co	Falkirk	ra		Wick railing 07	Street	Highland	good	pattern also at Stornoway q.v.
28087	Falkirk Iron Co	Falkirk	ra		Stornoway Goathill Road (F) railings	Goathill Road	Western Isles	good	q.v. ... railing & pillars as Falkir
26797	Falkirk Iron Co	Falkirk	ra		Wick railing 05	Street, etc	Highland	good	at West Banks Avenue/Francis
26174	Falkirk Iron Co	Falkirk	ra	275 LA	Cromarty Bank House railing	Bank House Bank Street	Cromarty Highland	good	overpainted ... railing identifiec
27701	Falkirk Iron Co	Falkirk	ra		Wick railing 10	Northcote Avenue, etc	Highland	good	at North Road & Broadhaven F
28423	Falkirk Iron Co	Falkirk	ra	275E	Lerwick St Olaf Street railings 19	St Olaf Street	Lerwick Shetland	excellent	gate & standards, exactly as ir
26581	Falkirk Iron Co ?	Falkirk Iron Works ?	ga		Falkirk gate pillars	Upper Newmarket Street	Falkirk	stable	unlike other recorded designs
27587	Falkirk Iron Co ?	Falkirk	gr		Broadford grave marker	B8083	Highland	stable	Stirling qv ... photos & note J E

27126	Falkirk Iron Co ?	Falkirk	gr		Scotlandwell Portmoak gravemarker 1	Portmoak graveyard	Perthshire & Kinross	stable	Stirling ... photos & note J Bolt
28870	Falkirk Iron Co ?	Falkirk	gr		Kinloch grave railings 3	Kinloch Churchyard	Kinross	stable	graveyard qv ... as Falkirk Iron
28781	Falkirk Iron Co ?	Falkirk	gr		Edinburgh Duddindston grave marker	Duddingston Church	Edinburgh	good	as marked examples at Larbe
28395	Falkirk Iron Co ?	Falkirk	ra	275B	Lerwick King Harald Street railings 05	King Harald Street	Lerwick Shetland	good	but standard is elsewhere ass
28485	Falkirk Iron Co ?	Falkirk	ra	122	Campbeltown grave railings 06	Kilkerran Road Cemetery	Bute	stable	George Smith advertised simil
28942	Falkirk Iron Co ?	Falkirk	ra		Carradale cresting	Aird's Place	Bute	good	& railing probably are q.v. ... p
27739	Falkirk Iron Co ?	Falkirk	ra	1216	Thurso railing 2	Smith Terrace	Highland	good	cat, but also as Alloa No 1216
28602	Falkirk Iron Co ?	Falkirk	ra	2	Acharacle grave railing 1	Cemetery	Acharacle Highland	stable	catalogue ... photo & note J Bo
26586	Falkirk Iron Co ?	Falkirk Iron Works ?	ra		Falkirk railings	Upper Newmarket Road	Falkirk	stable	name could be 'imagined' on t
25737	Falkirk Iron Co Ltd	Falkirk	ba		Torquay The Pavilion 'bandstand'	harbour	Torquay Devon	good	Restaurant building ... Falkirk I
160	Falkirk Iron Co Ltd	Falkirk	bc		Cheltenham balustrade	elsewhere	Gloucestershire	good	Ironwork' 2nd ed 1984 ... not
27863	Falkirk Iron Co Ltd	Falkirk	ga	275 c	Stranraer gates 02	Stoneykirk Road	Galloway	good	Pattern 275 c in 1882 catalogu
27845	Falkirk Iron Co Ltd	Falkirk	ra	123	Stranraer railings 04	Stoneykirk Road	Galloway	good	No 123 railing in 1882 catalog
28327	Ferguson	Tayport	la		Dundee Dudhope Park lamp pillars	Dudhope Park	Dundee	stable	redundant), assumed to date f
28296	Ferguson	Tayport	la		St Andrews lamp pillar 2	Place	St Andrews Fife	good	in east Fife & Dundee q.v. ... p
26491	Folding Gate Co	Glasgow	ga		Aberdour St Colme Lodge gates	A921 west of Aberdour	Aberdour Fife	good	match cast iron main gates q.v
28270	Frederick Bird & Co	London	fd		Preston Ashton Park drinking fountain	Ashton Park	Preston Lancashire	good	Ironfounders London W' ... pla
28807	Ltd	Eclipse Works Glasgow	bu		Station	Hamersley Street	Australia	excellent	supplied from Glasgow, conve
27467	G Anderson & Co	Arbroarh	st		Friockhiem mile posts	A932	nr Friockhiem Angus	good	maker's name on both faces ..
27602	G B Smith & Co	Glasgow	ga		Elgol Kirkibost gate pillars	B 8083 at Kirkibost	Highland	good	gate & railings) at John Muir T
26323	G B Smith & Co	Glasgow	ga		Pitlochry Cemetery gates	Cemetery	Kinross	stable	& photos J Bolton 09.2006
28790	G B Smith & Co	Glasgow	ga		Mull Torosay Castle gates	Torosay Castle	Mull Argyll & Bute	excellent	Glasgow' ... photos & note J B
27585	G B Smith & Co	Glasgow	ga		Raasay gate pillars	road north of Raasay House	shire Highland	stable	also strip-iron gate & railings ..
27938	G B Smith & Co ?	Glasgow	ra		Stornoway Lewis Street railings 5	Lewis Street	Western Isles	stable	in Elgol Skye q.v. ... photos &
26959	G Souter	Elgin	br		Grantown-on-Spey bridge parapets	Woodlands Crescent	Highland	good	plaque to G Souter ngineer El
28155	Smith ?	Rotherham / Glasgow	fd		Conisbrough drinking fountain	Conisbrough Castle Park	Yorkshire	good	Wright & Co Rotherham (incor
27385	George Douglas	Edinburgh	ga		Edinburgh College of Surgeons gates	Nicolson Street	Edinburgh	excellent	Playfair building ... founder ass
511	George Douglas	Edinburgh	gr		Crichton gravemarker (s)	Crichton Kirk	Crichton Midlothian	excellent	Douglas family from 1838 to 1
27230	George Douglas	Edinburgh	la		flambeaux	Nicolson Street	Edinburgh	excellent	flambeaux) designed by Willia
27229	George Douglas	Edinburgh	la		pillars	Nicolson Street	Edinburgh	excellent	Founder' on base, also flambe
27116	George Douglas	Edinburgh	la		Edinburgh New College lamp pillars	Mound Place	Edinburgh	good	alternate lamp pillars have bee
330	George Michison ?	Stirling	gr		3	Holyrude Cemetery	Stirling	poor	on rear George xxxx Stirling ..
202	George Smith & Co	Sun Foundry Glasgow	ba		Lincoln The Arboretum bandstand	The Arboretum	Lincoln Lincolnshire	good	www.eura.co.uk ... Unique and
25675	George Smith & Co	Sun Foundry Glasgow	ba		Wigan Mesnes Park bandstand	Mesnes Park	Wigan Lancashire	stable	name on column bases ... has
168	George Smith & Co	Sun Foundry Glasgow	ba		London Clapham Common bandstand	Clapham Common	London Clapham	excellent	RHS Garden at South Kensing
173	George Smith & Co	Sun Foundry Glasgow	ba	2	Nairn bandstand	The Links	Nairn Highland	excellent	original colour 2006/07 for c£7
172	George Smith & Co	Sun Foundry Glasgow	ba		2(lost)	Union Terrace Gardens	Aberdeen	lost	Newcastle examples. The gar
26945	George Smith & Co	Sun Foundry Glasgow	ba	1	Bermuda Hamilton bandstand	Victoria Park	Hamilton Bermuda	excellent	illustrated in Sun Foundry cata
26405	George Smith & Co	Sun Foundry Glasgow	ba		Bath Hedgemead Park bandstand	Hedgemead Park	East Somerset	good	on column bases - two on outs
27170	George Smith & Co	Sun Foundry Glasgow	bc		Glasgow Sauchiehall Street balconies 1	Street	Glasgow	excellent	illus in 6th ed cat c1890 ... phc
25739	George Smith & Co	Sun Foundry Glasgow	bc		Cambourne verandah	Pendarves Street	Tuckingmill Cornwall	good	details, date not known ... pho
575	George Smith & Co	Sun Foundry Glasgow	bl		Glasgow Hunterian Museum balustrade	Hunterian Museum Building	Glasgow	excellent	example exhibited at Iron & St
27300	George Smith & Co	Sun Foundry Glasgow	bl		Dunblane Hydro Hotel stair balusters	Dunblane Hydro Hotel	Dunblane Stirlingshire	good	adjacent canopies ... but porch
25699	George Smith & Co	Sun Foundry Glasgow	br	no 16	Cobh station overbridge	Rushbrooke station	Cobh Ireland	stable	railway. A similar/identical sta
25714	George Smith & Co	Sun Foundry Alloa	br		Edinburgh Morningside footbridge	Morningside Station	Edinburgh	good	bridge crosses the suburban r
25933	George Smith & Co	Sun Foundry Glasgow	br		Perth station balustrades 2	Perth Station platforms 3&4	Perth Perth & Kinross	good	balustrades to stairs to overbri
176	George Smith & Co	Sun Foundry Glasgow	br		Salford bridge abutment balustrade	Frederick Road / River Irwell	Manchester	good	or side (no obvious maker's pl
26357	George Smith & Co	Sun Foundry Glasgow	br		Lydney pedestrian bridge	Rly	Gloucestershire	stable	Church Road through church y
28598	George Smith & Co	Sun Foundry Glasgow	br		Coatbridge bridge parapet railing	Summerlee	Lanarkshire	excellent	on stanchion ... restored 2009
27505	George Smith & Co	Sun Foundry Glasgow	bu	175	Rothesay Crichton Road roof terminals 1	Crichton Road	Bute	excellent	terminals ... date on building ..
28299	George Smith & Co	Sun Foundry Glasgow	bu		St Andrews shopfront 07 'Intersport'	Church Street	St Andrews Fife	good	Preservation Trust ... photos &
27499	George Smith & Co	Sun Foundry Glasgow	bu		1	Guest House	Bute	excellent	windows columns by George S
28848	George Smith & Co	Sun Foundry Glasgow	bu		India Calcutta banking hall	not identified	Calcutta India	not known	45' designed & manufactured I
28571	George Smith & Co	Sun Foundry Glasgow	bu	16	columns	King Street	Dumfries & Galloway	good	Andrews etc ... photos & note
28303	George Smith & Co	Sun Foundry Glasgow	bu		St Andrews shopfront 11	South Street	St Andrews Fife	good	Preservation Trust ... photos &
28304	George Smith & Co	Sun Foundry Glasgow	bu		St Andrews shopfront 12 'One O One'	South Street	St Andrews Fife	good	Preservation Trust ... photos &
26568	George Smith & Co	Sun Foundry Glasgow	bu		Paisley Broomlands Street shopfronts	Broomlands Street	Paisley Renfrewshire	good	above, with typical Smith featu

27186	George Smith & Co	Sun Foundry Glasgow	bu		Express'	Bell Street	St Andrews Fife	stable	Trust ... pair of unmarked colu
27500	George Smith & Co	Sun Foundry Glasgow	bu		2	Battery Place	Bute	excellent	windows columns by George S
28132	George Smith & Co	Sun Foundry Glasgow	bu		Brazil Manaus Opera House ironwork	Julho	Brazil	excellent	said to have come from Glasg
27504	George Smith & Co	Sun Foundry Glasgow	bu		Rothesay Crichton Road columns	Crichton Road	Bute	excellent	style of window columns - in th
27799	George Smith & Co	Sun Foundry Glasgow	bu	16	St Andrews shopfront 06 'Elspeth's'	Church Street	St Andrews Fife	excellent	Preservation Trust ... unmarke
26530	George Smith & Co	Sun Foundry Glasgow	ct		Glasgow Gorbals Cross clocktower (lost)	Gorbals Cross	Glasgow Gorbals	lost	demolished when?? ... Image
26531	George Smith & Co	Sun Foundry Glasgow	ct	1	fountain	The Circus	West Indies	good	dedication & date) - clocktowe
177	George Smith & Co	Sun Foundry Glasgow	ct		Birmingham Aston Cross clocktower	Aston Cross Lichfield Road	Aston Birmingham	good	plate 'Manufactured & erected
27298	George Smith & Co	Sun Foundry Glasgow	ec		Dunblane Hydro Hotel verandah	Dunblane Hydro Hotel	Dunblane Stirlingshire	good	railing q.v.) ... maker's motif or
26036	George Smith & Co	Sun Foundry Glasgow	ec		Southport 497 Lord Street canopy	Street	Southport Lancashire	stable	statuette on bracket not marke
416	George Smith & Co	Sun Foundry Glasgow	ec		Rothesay Argyle Street entrance canopy	Argyle Street	Bute		restoration 2007 - 2009 ... alsc
28631	George Smith & Co	Sun Foundry Glasgow	fd	2	Plockton cow-tailed pump	Harbour Street	Plockton Highland	stable	... converted to a sun-dial ... o
192	George Smith & Co	Sun Foundry Glasgow	fd	3	fountain	Alexandra Parade	Glasgow	fair	Drinking Fountain at entrance
25740	George Smith & Co	Sun Foundry Glasgow	fd		Nenthead drinking fountain	village centre	Cumbria	fair	Teesdale, however here no TM
25742	George Smith & Co	Sun Foundry Glasgow	fd		Durban Currie drinking fountain	Memorial Fountain	South Africa Durban	excellent	refurbished and resited in the I
25743	George Smith & Co	Sun Foundry Glasgow	fd		Tranent drinking fountain (lost)	Winton Place	Tranent East Lothian	lost	Lothian Libraries, suggesting i
25866	George Smith & Co	Sun Foundry Glasgow	fd	2	Limerick People's Park drinking fountain	People's Park Pery Square	Limerick Ireland	good	06.11.2009 following restoratic
28159	George Smith & Co	Sun Foundry Glasgow	fd		Street drinking fountain	Grange Road	Street Somerset	good	Glasgow' (no 'George Smith')
28872	George Smith & Co	Sun Foundry Glasgow	fd		fountain	Curran Road	Larne Northern Ireland	lost	maker identified but not patter
25697	George Smith & Co	Sun Foundry Glasgow	fd	2	Belfast Jaffe drinking fountain 2	Victoria Square	Ireland	stable	Foundry Catalogue, another is
28339	George Smith & Co	Sun Foundry Glasgow	fd	174	(lost)	High Street	Aberdeen	lost	unit with horse troughs & singl
28788	George Smith & Co	Sun Foundry Glasgow	fd	8	Mull Tobermory drinking fountain	Main Street	& Bute	excellent	presented to town on completi
26570	George Smith & Co	Sun Foundry Glasgow	fd		Falkirk drinking fountain (lost)	Street	Falkirk	lost	1886 - lost, but when??, see a
27822	George Smith & Co	Sun Foundry Glasgow	fd		Newton Stewart statuettes	Public Gardens High Street	Dumfries & Galloway	good	from being scrapped along wit
26143	George Smith & Co	Sun Foundry Glasgow	fd		Howick Hall drinking fountain statuette	Howick Hall gardens	Northumberland	stable	drinking fountain canopy e.g. I
28874	George Smith & Co	Sun Foundry Alloa	fd		Doagh Station urinal (lost)	Doagh Station	Ireland	lost	Sun Foundry Alloa reported in
28642	George Smith & Co	Sun Foundry Glasgow	fd		fountain	Kelvingrove Park	Glasgow	pending	originally around perimeter ...
182	George Smith & Co	Sun Foundry Glasgow	fd	3	Dornoch drinking fountain	of)	Dornoch Highland	excellent	fountain (with lamp).. maker's
349	George Smith & Co	Sun Foundry Glasgow	fd	3	Dalkeith drinking fountain	Komarom Court	Dalkeith Midlothian	excellent	1896, the centenary of his dea
178	George Smith & Co	Sun Foundry Glasgow	fd		Edzell drinking fountain	Main Street	Edzell Angus	excellent	www.scran.ac.uk has incorrec
28240	George Smith & Co	Sun Foundry Glasgow	fd		Cork Dunscombe drinking fountain (lost)	near foot of Shandon Street	Cork Ireland	lost	1866 ... as illus of Dunscombe
191	George Smith & Co	Sun Foundry Glasgow	fd		Middleton in Teesdale drinking fountain	Village Square	Northumberland	excellent	marked on fountain & column
28828	George Smith & Co	Sun Foundry Glasgow	fd	3	Carrickfergus Big Lamp 1 (lost)	High Street	Ireland	lost	fountain fitted with Brays Pate
179	George Smith & Co	Sun Foundry Glasgow	fd		Elie drinking fountain	The Square	Elie Fife	good	base - only known example of
28988	George Smith & Co	Sun Foundry Glasgow	fd	13	Ringwood Jubilee drinking fountain	Market Place	Ringwood Hampshire	good	column from No 13a & unreco
28586	George Smith & Co	Sun Foundry Glasgow	fd	13	Guyana Georgetown drinking fountain	Promenade Gardens	South America	good	fountain cf Belfast ... plaque re
28284	George Smith & Co	Sun Foundry Glasgow	fd	13	Skegness drinking fountain	Sanctuary)	Skegness Lincolnshire	good	13 drinking fountain, in need o
27073	George Smith & Co	Sun Foundry Glasgow	fd		Dalkeith drinking fountain roof lamp pillar	Komarom Court	Dalkeith Midlothian	excellent	typical Smith ladder rest detail
28590	George Smith & Co	Sun Foundry Glasgow	fd	2	Belfast Jaffe drinking fountain 1	Botanic Gardens	Ireland	moved	canopy as shown in the Sun F
27841	George Smith & Co	Sun Foundry Glasgow	fd		Newton Stewart drinking fountain (lost)	Dashwood Square	Dumfries & Galloway	lost	trough No 177 & lamp pillar No
28811	George Smith & Co	Sun Foundry Glasgow	fd		Airdrie drinking fountain 1 (lost)	High Street / Bridge Street	Lanarkshire	lost	Cross ... photo used as frontis
185	George Smith & Co	Sun Foundry Glasgow	fd		Portmahomack drinking fountain	Main Street nr harbour	Highland	excellent	inscription in Gaelic on arch (ir
28473	George Smith & Co	Sun Foundry Glasgow	fd	14	Campbeltown drinking fountain	Street /John's Street	Bute	good	maker's name on base ... perh
181	George Smith & Co	Sun Foundry Glasgow	fd	3	Burntisland drinking fountain	Links Place	Burntisland Fife	good	drinking fountain ... Gifted by J
28592	George Smith & Co	Sun Foundry Glasgow	fd	13	Belfast cemetery drinking fountain	Cemetery Falls Road	Ireland	good	canopy of the city's Jaffe Foun
183	George Smith & Co	Sun Foundry Glasgow	fd		Harwich drinking fountain	Station Forecourt	Harwich Essex	fair	front of the virtually abandone
25958	George Smith & Co	Sun Foundry Glasgow	fd	12	Sunderland Roker drinking fountain	Roker Cliff Park	Wear	good	with lamp ... no marks but as S
25751	George Smith & Co	Sun Foundry Glasgow	fo		Bloxwich fountain	Street	West Midlands	excellent	to working order 2010 ... make
26700	George Smith & Co	Sun Foundry Glasgow	fo		Maryborough (Aus) 'Fairy Fountain' 1	Queen's Park	Queensland Australia	good	rotunda (qv) in which it was or
27583	George Smith & Co	Sun Foundry Glasgow	fo	37	Raasay fountain 1	Raasay House Gardens	shire Highland	at risk	George Smith pattern no 37 fo
27784	George Smith & Co	Sun Foundry Glasgow	fo	22	Tain fountain	Mansfield Castle Hotel	Highland	unknown	c1885 ... originally in Tain High
26701	George Smith & Co	Sun Foundry Glasgow	fo		Maryborough (Aus) 'Fairy Fountain' 2	Queen's Park	Queensland Australia	good	Co 'No 6 Boy with shell, & dolp
347	George Smith & Co	Sun Foundry Glasgow	fo	2	Fochabers ornamental fountain	The Square	Fochabers Moray	good	the Sixth Duke of Richmond a
27518	George Smith & Co	Sun Foundry Glasgow	fo	23	Rothesay ornamental fountain	nr Castle	Bute	good	thought to have been moved fi
319	George Smith & Co	Sun Foundry Glasgow	fo		2009)	not applicable	USA	good	for sale in the US with basin w
28238	George Smith & Co	Sun Foundry Glasgow	fo	2	Pakistan Lahore fountain	Jubilee Hall	Lahore Pakistan	stable	Singh fountain, a George Smit
									Sun Foundry, Glasgow as Fou

362	George Smith & Co	Sun Foundry Glasgow	fo	34	Crieff Ford Road Cemetery fountain	Ford Road Cemetery	Kinross	stable	Smith catalogue... maker's nar
26058	George Smith & Co	Sun Foundry Glasgow	fo	11	Edinburgh Nicolson Square fountain	Nicolson Square	Edinburgh	excellent	by C Laing & Sons Ltd in 2008
26702	George Smith & Co	Sun Foundry Glasgow	fo		Maryborough (Aus) 'Fairy Fountain' 3	Queen's Park	Queensland Australia	good	'Bird No 14' as illustrated in Ge
28845	George Smith & Co	Sun Foundry Glasgow	fo		Sri Lanka Kandy fountain	not identified	Kandy Sri Lanka	at risk	M Pearce) ... recognizably a G
353	George Smith & Co	Sun Foundry Glasgow	fo		East Linton The Square fountain	The Square	Lothian	good	maker's plate or marks but wa
27198	George Smith & Co	Sun Foundry Glasgow	fo		Jersey ornamental fountain	Market Hall	Channel Islands	good	catalogues ... name plate on b
28144	George Smith & Co	Sun Foundry Glasgow	fo	39	Jamaica Devon House fountain	Devon House	West Indies	excellent	clearly a George Smith No 39
26707	George Smith & Co	Sun Foundry Glasgow	fo		Peebles Hydro fountain	Peebles Hydro Hotel	Borders	good	& Co No 41 Spray Fountain - r
199	George Smith & Co	Sun Foundry Glasgow	fo		Dun Laoghaire People's Park fountains	Peoples Park	Dun Laoghaire Ireland	excellent	forming centrepiece to park. P
200	George Smith & Co	Sun Foundry Glasgow	fo		Dumfries High Street fountain	High Street	Galloway	good	not as TM, ... note & photos J
28588	George Smith & Co	Sun Foundry Glasgow	ga		Kirkcudbright St Mary Street gates 11	St Mary Street	& Galloway	excellent	on bottom rail ... similar to No
547	George Smith & Co	Sun Foundry Glasgow	ga		Larbert cemetery gates 1	Cross	Stirlingshire)	stable	uses the standard panel found
28866	George Smith & Co	Sun Foundry Glasgow	ga		Errol gates	Errol Park	Kinross	good	at least one gate ... photos & r
26309	George Smith & Co	Sun Foundry Glasgow	ga		Haddington St Mary's Church gates	St Mary's Church	Lothian	excellent	gates have maker's name inde
28798	George Smith & Co	Sun Foundry Glasgow	ga		Bendigo gates & railing	Pall Mall	Australia	good	Buildings built 1892-1896 to de
26879	George Smith & Co	Sun Foundry Glasgow	ga	413	Kirkcudbright St Mary Street gates 02	St Mary Street	& Galloway	excellent	... railings as George Smith No
26898	George Smith & Co	Sun Foundry Glasgow	ga		Kirkcudbright St Mary Street gates 10	Guest House	& Galloway	good	railing to left of gate ... photos
431	George Smith & Co	Sun Foundry Glasgow	ga		Glasgow Briggait gates etc	Centre ex Fish Market	Glasgow	at risk	demolition 1977, refurbished a
26400	George Smith & Co	Sun Foundry Glasgow	ga	17	Kilchenzie graveyard gate & railing	Kilchenzie Graveyard	Campbeltown Argyll &	stable	85 Standards in walled sectior
27691	George Smith & Co	Sun Foundry Glasgow	ga	18	Wick gate 18	Miller Avenue	Highland	good	18 gates as illus in cat c1890 .
27693	George Smith & Co	Sun Foundry Glasgow	ga	268	Wick Cemetery gates	South Road	Highland	good	railing ? in WI framing ? ... ma
26315	George Smith & Co	Sun Foundry Glasgow	ga		Betws Bledrws Church gates	Betws Bledrws Church	Ceredigion Wales	good	have maker's name indented..
28298	George Smith & Co	Sun Foundry Glasgow	ga	38	St Andrews gate 2	Place	St Andrews Fife	excellent	to Smith No38 Gate & as No8
26660	George Smith & Co	Sun Foundry Glasgow	ga	108	Stornoway Memorial Church gates 1	Kenneth Street	Western Isles	stable	no 108 ... maker's name on ga
26164	George Smith & Co	Sun Foundry Glasgow	ga		Selkirk mill gates	Dunsdale Road	Borders	stable	Mary's Church Haddington, ma
25982	George Smith & Co	Sun Foundry Glasgow	gr		Glasgow Necropolis memorial 4	The Necropolis	Glasgow	at risk	...pattern also for railing at Ade
27641	George Smith & Co	Sun Foundry Glasgow	gr		Whithorn grave marker 3	Whithorn Priory	Galloway	at risk	marker - one of three Smith pa
27640	George Smith & Co	Sun Foundry Glasgow	gr		Whithorn grave marker 2	Whithorn Priory	Galloway	stable	marker - one of three Smith pa
27639	George Smith & Co	Sun Foundry Glasgow	gr		Whithorn grave marker 1	Whithorn Priory	Galloway	stable	marked on bottom right - one c
26639	George Smith & Co	Sun Foundry Glasgow	gr		Melbourne grave marker	Melbourne Cemetery	Australia	stable	www.churchmousewebsite.co.
77	George Smith & Co	Sun Foundry Glasgow	gr		Memorial	Memorial	Stirling	stable	... unusual custom manufactur
28563	George Smith & Co	Sun Foundry Glasgow	gr		Lochcarron grave marker	Lochcarron Graveyard	Lochcarron Highland	stable	name on bottom corner ... date
26242	George Smith & Co	Sun Foundry Glasgow	gr	268	Fort William grave railing 1	Cemetery A82 north	Fort William Highland	stable	in Sun Foundry catalogue c18
26167	George Smith & Co	Sun Foundry Glasgow	gr		Kilmun gravemarker 2	Kilmun Church graveyard	Kilmun Argyll & Bute	stable	this maker... maker indented ir
26291	George Smith & Co	Sun Foundry Glasgow	gr		marker	Kilmallie Cemetery	Corpach Highland	stable	grave marker ... note & photos
25691	George Smith & Co	Sun Foundry Glasgow	gr		Kilmun Church gravemarker 1	Kilmun Church graveyard	Kilmun Argyll & Bute	fair	although rear face is fractured
26279	George Smith & Co	Sun Foundry Glasgow	gr	29	Dalmally grave marker	Dalmally Parish Church	Dalmally Argyll & Bute	good	date of installation ... marked '
28982	George Smith & Co	Sun Foundry Glasgow	gr		Bearsden New Kilpatrick grave marker 1	New Kilpatrick Cemetery	Dunbartonshire	poor	... see Larbert, & Melbourne A
27580	George Smith & Co	Sun Foundry Glasgow	gr		Edderton grave marker	East Church	shire Highland	excellent	Patent Sun Foundry Glasgow'
28476	George Smith & Co	Sun Foundry Glasgow	gr		Campbeltown grave markers	Kilkerran Road Cemetery	Bute	stable	damaged, plus another in goo
201	George Smith & Co	Sun Foundry Glasgow	gr		Glasgow Necropolis memorial 1	The Necropolis	Glasgow	at risk	Outstanding example of Sun fo
28983	George Smith & Co	Sun Foundry Glasgow	gr	29	Bearsden New Kilpatrick grave marker 2	New Kilpatrick Cemetery	Dunbartonshire	poor	No 29 ... see Dalmally for a co
26239	George Smith & Co	Sun Foundry Glasgow	gr		Fort William grave marker 1	Cemetery A82 north	Fort William Highland	stable	design, same as that at Kilmur
26558	George Smith & Co	Sun Foundry Glasgow	gr		Glasgow Sighthill gravemarker 1	Sighthill Cemetery	Glasgow	stable	2001.. information & attributior
532	George Smith & Co	Sun Foundry Glasgow	gr		Larbert gravemarker 3	Larbert Cross Graveyard	Stirlingshire)	poor	base lettering (& angel motif a
28789	George Smith & Co	Sun Foundry Glasgow	gr		Mull Tobermory grave marker	Burial Ground	& Bute	unknown	cast iron surround with maker'
27471	George Smith & Co	Sun Foundry Glasgow	gr	13	Dunoon grave memorial 1	Road	Dunoon Argyll & Bute	good	unmarked but recognisably Sn
501	George Smith & Co	Sun Foundry Glasgow	gr		4	Holyrude Cemetery	Stirling	stable	unpainted ... 'Smith's Patent S
489	George Smith & Co	Sun Foundry Glasgow	gr		Glasgow Necropolis memorial 2	The Necropolis	Glasgow	at risk	well worth a visit ... note DSM
535	George Smith & Co	Sun Foundry Glasgow	gr		Larbert gravemarker 5	Larbert Cross Graveyard	Stirlingshire)	at risk	maker's marks but as illustated
27479	George Smith & Co	Sun Foundry Glasgow	gr		Dunoon grave memorial 2	Road	Dunoon Argyll & Bute	poor	Patent on base ... damaged w
27480	George Smith & Co	Sun Foundry Glasgow	gr	13	Dunoon grave memorial 3	Road	Dunoon Argyll & Bute	stable	unmarked but recognisably Sn
533	George Smith & Co	Sun Foundry Glasgow	gr		Larbert gravemarker 1	Larbert Cross Graveyard	Stirlingshire)	stable	name on base ..note & photos
531	George Smith & Co	Sun Foundry Glasgow	gr		Larbert gravemarker 2	Larbert Cross Graveyard	Stirlingshire)	poor	marked George Smith & Co at
196	George Smith & Co	Sun Foundry Glasgow	la		Leek Market Place lamp pillar	Market Place	Leek Staffordshire	good	Smith Sun Foundry Glasgow'
28835	George Smith & Co	Sun Foundry Glasgow	la		Glasgow Govan Old Church lamp pillars	Road	Glasgow Govan	at risk	date assumed from that of chu
									base ... shortened version of n

26961	George Smith & Co	Sun Foundry Glasgow	la		Forres 'Provost' lamp pillars	Tolbooth High Street	Forres Moray	excellent	George Smith & Co lamp pillar
28671	George Smith & Co	Sun Foundry Glasgow	la		Glasgow Huntly Terrace lamp pillars	Huntley Terrace	Glasgow	excellent	photos & note J Bolton 06.200
26875	George Smith & Co	Sun Foundry Glasgow	la		Kirkcudbright Tolbooth lamp pillar	High Street	& Galloway	good	road, relocated & reconstuctec
197	George Smith & Co	Sun Foundry Glasgow	la		Brechin High Street lamp pillar	High Street	Brechin Angus	good	c1900 photos show large singl
194	George Smith & Co	Sun Foundry Glasgow	la		Paignton lamp pillars	Church Street	Paignton Devon	poor	Pair of intact lamps with origin
195	George Smith & Co	Sun Foundry Glasgow	la		Lydney footbridge parapet lamps	from Church Road)	Gloucestershire	stable	unmarked but similar to No 56
26694	George Smith & Co	Sun Foundry Glasgow	la		Glasgow University lamp pillars 3	Glasgow University	Glasgow	excellent	courtyards (see also lamp pilla
28849	George Smith & Co	Sun Foundry Glasgow	la	21	India Bombay street lamps c1865	various	Bombay India	not known	principal thoroughfares of the
28722	George Smith & Co	Sun Foundry Glasgow	la		Glasgow Saltoun Street lamp pillars 1	Saltoun Street	Glasgow	good	photos & note J Bolton 06.200
28815	George Smith & Co	Sun Foundry Glasgow	la		Carlisle Nelson Bridge lamp pillar	Nelson Bridge	Carlisle Cumbria	good	drinking fountains) ... single su
26874	George Smith & Co	Sun Foundry Glasgow	la	120	pillar	St Cuthbert Street	& Galloway	good	baseplate which probably obs
26647	George Smith & Co	Sun Foundry Glasgow	la		Manchester G-Mex lamp pillars	G-Mex Exhibition Centre	Manchester	good	pillars in front of G-Mex Centre
28113	George Smith & Co	Sun Foundry Glasgow	la	120	Brazil Manaus lamp pillars	Matriz	Brazil	good	each side of the Ingeja Matriz,
26015	George Smith & Co	Sun Foundry Glasgow	la		Glasgow University lamp pillars 1	central area	Glasgow	good	University precinct (see also la
175	George Smith & Co	Sun Foundry Glasgow	la	63	pillars	Adelaide Bridge	Warwickshire	good	Sun Foundry Glasgow on base
25880	George Smith & Co	Sun Foundry Glasgow	la		Lanark 'provost' lamp pillar	High Street Tollbooth	Lanarkshire	excellent	coat of arms on lantern, nicely
27042	George Smith & Co	Sun Foundry Glasgow	la		Brechin Station lamp pillars	Caledonian Railway Station	Brechin Angus	excellent	but recognisably George Smitl
27177	George Smith & Co	Sun Foundry Glasgow	la		2	Crescent	Glasgow	stable	lamps ... photos & note J Bolto
27243	George Smith & Co	Sun Foundry Glasgow	la	120	Callander lamp pillars	Road A84	Callander Stirlingshire	stable	marks but appear to be Smith
28668	George Smith & Co	Sun Foundry Glasgow	la		Glasgow Horselet Road lamp pillar	Horselet Road	Glasgow	excellent	photos & note J Bolton 06.200
28595	George Smith & Co	Sun Foundry Glasgow	la		Coatbridge lamp pillars 1	Summerlee Heritage Centre	Lanarkshire	excellent	Centre - presumably formerly
25936	George Smith & Co	Sun Foundry Glasgow	la		Perth church gate-post lamps	Street	Perth Perth & Kinross	good	unusual design with surface pa
28816	George Smith & Co	Sun Foundry Glasgow	la		Cambridge Parker's Piece lamp pillar	Parker's Piece	Cambridge	good	... undated, marked 'Sun Foun
27493	George Smith & Co	Sun Foundry Glasgow	la	27	Greenock lamp pillar 3	Eldon Street	Greenock Inverclyde	good	c1886 ...(for associated railing
26003	George Smith & Co	Sun Foundry Glasgow	la		Glasgow Hyndland Road parapet lamps	Hyndland Road (North End)	Glasgow	good	Terrace, c.f. Allan lamps on fro
26337	George Smith & Co	Sun Foundry Glasgow	la		Belfast Queen's Bridge parapet lamps	Queen's Bridge	Ireland	good	name on lower edge .. support
27022	George Smith & Co	Sun Foundry Glasgow	la	120	Weymouth lamp pillars 2	Alexandra Gardens	Weymouth Dorset	excellent	base (cf Kirkcudbright) & more
26085	George Smith & Co	Sun Foundry Glasgow	la	30	Musselburgh Tolbooth parapet lamps	High Street The Tolbooth	Lothian	good	dating from 1883 refurbishmer
25846	George Smith & Co	Sun Foundry Alloa	la		Moffat St Andrew's Church lamp pillars	St Andrew's Parish Church	Galloway	poor	ornamental lamp pillars, rare e
193	George Smith & Co	Sun Foundry Glasgow	la		Cheltenham Clarence Street lamp pillar	Clarence Street	Gloucestershire	good	'Cheltenham's Ornamental Iro
554	George Smith & Co	Sun Foundry Glasgow	la		Dundee Broughty lamp pillars	Beach Crescent	Ferry	good	from Sun Foundry. This desigr
26605	George Smith & Co	Sun Foundry Glasgow	la		Ramsey IOM lamp pillar	Market Square	Ramsey Isle of Man	poor	Co No 194 drinking fountain &
26693	George Smith & Co	Sun Foundry Glasgow	la		Glasgow University lamp pillars 2	University courtyards	Glasgow	excellent	courtyards in association with
26363	George Smith & Co	Sun Foundry Glasgow	la		Dundee Infirmary Brae lamp pillars 3	Park	Dundee	good	upper one with maker's name
26595	George Smith & Co	Sun Foundry Glasgow	la		Glasgow street lamp pillar 6 (Hillhead)	formerly at People's Palace	Glasgow	unknown	outside the People's Palace, p
25734	George Smith & Co	Sun Foundry Glasgow	la		1	Museum	Nottingham	stable	base. Originally located at Un
28799	George Smith & Co	Sun Foundry Glasgow	la	87	Bendigo lamp pillars	Pall Mall	Australia	good	Public Buildings built 1892-18
28877	George Smith & Co	Sun Foundry Glasgow	ot		Fraseburgh Cemetery sign	Cemetery	Aberdeenshire	good	catalogue c1860 ... photo J Bc
27514	George Smith & Co	Sun Foundry Glasgow	ot		terminal	Mount Stuart Road	Bute	good	Smith bandstands ... photos &
343	George Smith & Co	Sun Foundry Glasgow	ot	5	Brechin Waterworks monument	Reservoir (adj Golf Club)	Brechin Angus	good	Fountain No 5 - recording the
25841	George Smith & Co	Sun Foundry Glasgow	ot		Dumfries station canopy 1	Station	Galloway	good	TM unusually on column barre
25870	George Smith & Co	Sun Foundry Glasgow	ot		Ayr station canopy	Ayr station	Ayr South Ayrshire	good	platforms. Maker's trade mark
27794	George Smith & Co	Sun Foundry Glasgow	ot		Ayr Culzean Castle bench	Culzean Castle	(12mi south of)	stable	images A Laing 08.2008
28649	George Smith & Co	Sun Foundry Glasgow	ra		Glasgow Clouston Street railing 1	Clouston Street	Glasgow	good	photos & note J Bolton 06.200
28650	George Smith & Co	Sun Foundry Glasgow	ra		Glasgow Clouston Street railing 2	Clouston Street	Glasgow	good	photos & note J Bolton 06.200
28293	George Smith & Co	Sun Foundry Glasgow	ra	338	St Andrews railing 4 'The Raisin'	Place	St Andrews Fife	good	Smith & co Railing No338 in c
26949	George Smith & Co	Sun Foundry Glasgow	ra		Nairn bandstand railing	The Links	Nairn Highland	excellent	panel ... photos & note J Bolto
27715	George Smith & Co	Sun Foundry Glasgow	ra		Wick Cemetery railing	South Road	Highland	stable	c1890 ... photos & note J Bolto
28724	George Smith & Co	Sun Foundry Glasgow	ra		Glasgow Turnberry Road railing	Turnberry Road	Glasgow	good	photos & note J Bolton 06.200
496	George Smith & Co	Sun Foundry Glasgow	ra	354	Bridge of Allan railings	Kenilworth Road	Bridge of Allan Stirling	good	as George Smith No 354 as ill
26024	George Smith & Co	Sun Foundry Glasgow	ra		Glasgow Adelphi Street railings 2	Walkway	Glasgow	excellent	Necropolis & for gates at Larb
27030	George Smith & Co	Sun Foundry Glasgow	ra	214	Bermuda Hamilton bandstand railing	Victoria Park	Hamilton Bermuda	excellent	... on No 1 bandstand qv.... ph
26657	George Smith & Co	Sun Foundry Glasgow	ra	949	Stornoway Memorial Church railings 1	Kenneth Street	Western Isles	stable	church, Smith catalogue No 9
27460	George Smith & Co	Sun Foundry Glasgow	ra	218	Stonehaven railing 2	Bridgefield	Aberdeenshire	good	on building ... as Smith Railing
26882	George Smith & Co	Sun Foundry Glasgow	ra	413	Kirkcudbright St Mary Street railings 02	St Mary Street	& Galloway	good	... as George Smith No 413 illu
27297	George Smith & Co	Sun Foundry Glasgow	ra		Dunblane Hydro Hotel verandah railing	Dunblane Hydro Hotel	Dunblane Stirlingshire	good	catalogue c1890 ... photos & r
									George St & some in Hillhead

26883	George Smith & Co	Sun Foundry Glasgow	ra	185	Kirkcudbright St Mary Street railings 03	St Mary Street	& Galloway	good	No 185 in cat c1886 ... photos
26904	George Smith & Co	Sun Foundry Glasgow	ra	233	Kirkcudbright St Mary Street railings 10	Guest House	& Galloway	good	cat c1885 ... maker's name on
27539	George Smith & Co	Sun Foundry Glasgow	ra	984	Glasgow Lilybank Terrace railing	George Street	Glasgow	good	1890 ... extensive railings on t
27987	George Smith & Co	Sun Foundry Glasgow	ra	949	Stornoway Memorial Church railings 2	Francis Street	Western Isles	good	in catalogue ... photos & note
28782	George Smith & Co	Sun Foundry Glasgow	ra	1382	Glasgow Pollokshields railings 1	Melville Street	Glasgow	good	maker's name on lower loops
25770	George Smith & Co	Sun Foundry Glasgow	sh		Bewdley urinal (ex Melrose)	Bewdley Station SVR	Worcester ex Melrose	good	in June 1998 'due to new Heal
25736	George Smith & Co	Sun Foundry Glasgow	sh		Nottingham Wollaton urinal	Museum	Nottingham	stable	perhaps c1870... originally in (
25857	George Smith & Co	Sun Foundry Glasgow	sh		Glasgow Bridgeton Umbrella	Bridgeton Cross	Glasgow	excellent	www.glasgowwestend.co.uk) .
25769	George Smith & Co	Sun Foundry Glasgow	sh		Melrose station urinal (moved)	Melrose Station	Borders	moved	architecture' Bloomsbury 1979
116	George Smith & Co	Sun Foundry Glasgow	sh	54	Bristol urinal Horfield Common	Wellington Hotel	Bristol	excellent	with central urinal & external d
27015	George Smith & Co	Sun Foundry Glasgow	sh	4	York NRM urinal	National Railway Museum	York Yorkshire	excellent	for one person' as shown in th
115	George Smith & Co	Sun Foundry Glasgow	sh	54	Bristol urinal - Mina Park	Mina Road Park	Bristol	excellent	survivor - a working urinal in a
112	George Smith & Co	Sun Foundry Glasgow	st		Lurgan bollards	Lurgan Park	Ireland	excellent	showing makers stamp. Set of
28549	George Smith & Co ?	Sun Foundry Glasgow	ba		Guyana Georgetown bandstand 1	Promenade Gardens	South America	good	identified but possibly George
515	George Smith & Co ?	Sun Foundry Glasgow	bl	185	balustrade	Orkney Street	Glasgow Govan	excellent	business units (opened 02.202
28317	George Smith & Co ?	Sun Foundry Glasgow	ec		Southport Lulworth Road canopy	Lulworth Road	Southport Lancashire	excellent	but columns are typical Georg
28850	George Smith & Co ?	Sun Foundry Glasgow	fo		Denbigh Pierce Gardens fountains	Vale Road	Denbigh North Wales	excellent	have name plates for each of I
28591	George Smith & Co ?	Sun Foundry Glasgow	fo		Belfast cemetery fountain	City Cemetery Falls Road	Ireland	good	& Co on Council website, but r
28021	George Smith & Co ?	Sun Foundry Glasgow	ga	213	Stranraer gates 15	Lewis Street	Galloway	good	missing) associated with & ma
28853	George Smith & Co ?	Sun Foundry Glasgow	ga		Wigan Mesnes Park gates	Mesnes Park	Wigan Lancashire	good	bandstand cf ... park & presum
28318	George Smith & Co ?	Sun Foundry Glasgow	la		Southport Lulworth Road lamp pillar	Lulworth Road	Southport Lancashire	good	Smith ironwork on building ... p
27921	George Smith & Co ?	Sun Foundry Glasgow	ra	783	Stornoway Garden Road railing 3	Garden Road	Western Isles	excellent	the town ... possibly George S
28033	George Smith & Co ?	Sun Foundry Glasgow	ra	213	Stranraer railings 22	Lewis Street	Galloway	good	... some damage to exposed s
28169	George Smith & Co ?	Sun Foundry Glasgow	ra	246	Cullercoats balcony railing 1	Beverley Terrace ?	Northumberland	good	illus in cat c1890 ... similar rail
28972	George Smith & Co ?	Sun Foundry Glasgow	ra	258	Tighnabruaich The Grove gates & railing	The Grove	Bute	excellent	railing No 258 & pillars No 139
28170	George Smith & Co ?	Sun Foundry Glasgow	ra	1206	Cullercoats balcony railing 2	Beverley Terrace ?	Northumberland	good	illus in cat c1890 ... see also ra
28951	George Smith & Co ?	Sun Foundry Glasgow	ra	268	Old Kilpatrick grave railing 1	Old Kilpatrick Church	Dunbartonshire	stable	photo & note J Bolton 05.2010
26651	George Smith & Co ?	Sun Foundry Glasgow	ra	977	Stornoway Matheson Road (-) railings	Road	Western Isles	good	Co) Sun Foundry catalogue of
26101	Glasgow & Clippens Ltd	Sun Foundry Clippens	ec		canopy	Marylebone Station	London	good	products of the final incarnatio
363	Glasgow & Clippens Ltd	Sun Foundry Clippens	la		pillars	James Square	Kinross	good	Diamond Jubilee. Note the onl
26312	Laing & Sons	Foundry	ra		Haddington St Mary's Church railings	St Mary's Church	Lothian	excellent	Sons to original George Smith
140	George Smith & Co ?	Sun Foundry Glasgow ?	bl		Aberystwyth spiral stair	University College	Ceredigeon Wales	good	Smith & Co ... no maker's mar
27501	George Smith & Co ?	Sun Foundry Glasgow	bo		Rothesay Battery Place roof terminal	Guest House	Bute	good	building qv ... photos & note J
27497	George Smith & Co ?	Sun Foundry Glasgow	bo		Rothesay Victorian Toilet roof terminal	Pier Head	Bute	stable	(block itself not cast iron) ... ur
26195	George Smith & Co ?	Sun Foundry Glasgow ?	bu		Dingwall High Street shopfront 1	High Street	Dingwall Highland	good	'typically' G Smith & Co desigr
27299	George Smith & Co ?	Sun Foundry Glasgow ?	ec		pillars	Dunblane Hydro Hotel	Dunblane Stirlingshire	good	are adjacent canopies ... but p
25724	George Smith & Co ?	Sun Foundry Glasgow ?	fd		Chepstow St Arvan's drinking fountain	St Arvans	Monmouthshire Wales	good	Chepstow not George Smith! (
28285	George Smith & Co ?	Sun Foundry Glasgow	fo		Skegness fountain (original)	Lumley Square	Skegness Lincolnshire	moved	front of Lumley Hotel ... compo
27584	George Smith & Co ?	Sun Foundry Glasgow	fo		Raasay fountain 2	Raasay House Gardens	shire Highland	at risk	dolphin heads around George
28286	George Smith & Co ?	Sun Foundry Glasgow	fo		Skegness fountain (present)	Fairy Glen South Parade	Skegness Lincolnshire	excellent	lanterns (q.v.) from 1880, then
25793	George Smith & Co ?	Sun Foundry Glasgow ?	fo		Brazil Manaus fountain 1	Praca da Matriz	Brazil	good	F Alves 01.2007 ... outer 'boy '
28786	George Smith & Co ?	Sun Foundry Glasgow	fo		Cape Town De Waal Park fountain	De Waal Park	Town	good	original with removal of upper
28362	George Smith & Co ?	Sun Foundry Glasgow	fo		Cork English Market fountain	English Market	Cork Ireland	excellent	fountain ... pics from www & 'A
26960	George Smith & Co ?	Sun Foundry Glasgow ?	fo		Forres ornamental fountain	Street	Forres Moray	stable	George Smith & Co fountain c
28923	George Smith & Co ?	Sun Foundry Glasgow	fo		Aviemore bird fountain	not identified	Aviemore Highland	good	Smith & Co c.f. Crieff ... photo
28145	George Smith & Co ?	Sun Foundry Glasgow	ga	180	Jamaica Devon House gates	Devon House	West Indies	not known	appear to be George Smith Nc
27742	George Smith & Co ?	Sun Foundry Glasgow ?	ga		Thurso gate 1	Smith Terrace	Highland	good	but associated with possibly G
26117	George Smith & Co ?	Sun Foundry Glasgow ?	ga		Inverbervie Church gate overthrow	Bervie Parish Church	Aberdeenshire	lost ?	Laing) ... photos J Bolton 06.2
26788	George Smith & Co ?	Sun Foundry Glasgow	ga	121	Wick gate 03	& cemetery	Highland	good	Sun Foundry cat ... also at cer
27244	George Smith & Co ?	Sun Foundry Glasgow ?	ga		Callander gates	end of town	Callander Stirlingshire	stable	apparent maker's mark but ap
27760	George Smith & Co ?	Sun Foundry Glasgow	gr		Tain grave railing 1	Street	Highland	poor	Iron Co, but pattern is as Geor
26561	George Smith & Co ?	Sun Foundry	gr		Glasgow Sighthill gravemarker 4	Sighthill Cemetery	Glasgow	at risk	gravemarker with decorated b
26559	George Smith & Co ?	Sun Foundry Glasgow	gr		Glasgow Sighthill gravemarker 2	Sighthill Cemetery	Glasgow	at risk	unusual cast plate in place of s
27601	George Smith & Co ?	Sun Foundry Glasgow	gr	94	Rogart grave railing	St Callan's Church	Highland	stable	No 94 illus in cat c1890 ... pho
26560	George Smith & Co ?	Sun Foundry Glasgow	gr		Glasgow Sighthill gravemarker 3	Sighthill Cemetery	Glasgow	stable	gravemarker with stone insert,
534	George Smith & Co ?	Sun Foundry Glasgow	gr		Larbert gravemarker 4	Larbert Cross Graveyard	Stirlingshire)	at risk	no maker's marks apparent ...
									around unmarked grave ... cor

27540	George Smith & Co ?	Sun Foundry Glasgow ?	la		Glasgow Lilybank Terrace lamp pillars	Lilybank Terrace	Glasgow	good	association with marked railing
27427	George Smith & Co ?	Sun Foundry Glasgow	la	87	fountain lamp	Saltoun Square	Aberdeenshire	good	drinking fountain dated 1889 ..
26326	George Smith & Co ?	Sun Foundry Glasgow ?	la		Stirling Albert Halls lamp pillars	Albert Halls	Stirling	excellent	but base details of four lions si
26612	George Smith & Co ?	Sun Foundry Glasgow ?	la		Newmarket ventilation pillars	Road	Newmarket Suffolk	good	Newmarket ... no maker's nam
26962	George Smith & Co ?	Sun Foundry Glasgow ?	la		Forres St Leonard's Church lamp pillars	Street	Forres Moray	good	similar to George Smith & Co
26222	George Smith & Co ?	Sun Foundry Glasgow ?	la		Inverness Bank street lamp bracket	Street (side entrance)	Inverness Highland	excellent	Smith no 33 lamp bracket as il
26957	George Smith & Co ?	Sun Foundry Glasgow ?	la		Grantown-on-Spey lamp pillar 2	South Street	Highland	stable	George Smith & Co examples
26221	George Smith & Co ?	Sun Foundry Glasgow ?	la		Inverness Bank Street lamp pillars	Street	Inverness Highland	stable	lamp pillars, similar to Smith d
25704	George Smith & Co ?	Sun Foundry Glasgow ?	la		Dun Laoghaire People's park lamp pillar	Peoples Park	Dun Laoghaire Ireland	excellent	Co Sun Foundry ..... photo bt
28939	George Smith & Co ?	Sun Foundry Glasgow	la	87	Campbeltown church lamp pillars	Church	Bute	good	No 87 , but McDowall, Steven
25702	George Smith & Co ?	Sun Foundry Glasgow ?	la		Dublin Merrion Square lamp pillars	Merrion Square	Dublin Ireland	good	Street as part of the first electr
26382	George Smith & Co ?	Sun Foundry Glasgow ?	la	136	Penang Penang Street lamp pillar	Hills	Malaysia	stable	identical to George Smith & C
27245	George Smith & Co ?	Sun Foundry Glasgow ?	la		Callander gate pillar lamps	end of town	Callander Stirlingshire	stable	in style & in association with p
25970	George Smith & Co ?	Sun Foundry Glasgow ?	ot		Dunfermline station columns	Station	Dunfermline Fife	good	over! Name barely distinguish
25996	George Smith & Co ?	Sun Foundry Glasgow ?	ra		Glasgow Bellshaugh Road railings	House et al	Glasgow	good	unmarked but newel posts ma
26695	George Smith & Co ?	Sun Foundry Glasgow ?`	ra		Glasgow University courtyard railings	Glasgow University	Glasgow	good	No 451, in association with Sn
27586	George Smith & Co ?	Sun Foundry Glasgow	ra	996	Broadford railing	Limepark Terrace	Highland	good	996 as illus in Sun Foundry ca
27490	George Smith & Co ?	Sun Foundry Glasgow	ra		Greenock railing 7	Eldon Street	Greenock Inverclyde	good	by Smith but associated with S
26795	George Smith & Co ?	Sun Foundry Glasgow	ra	973	Wick railing 03	& Cemetery	Highland	good	Sun Foundry cat c1890 ... pho
27738	George Smith & Co ?	Sun Foundry Glasgow	ra	973	Thurso railing 1	Smith Terrace	Highland	good	association with apparently Ma
26360	George Smith & Co ?	Sun Foundry Glasgow ?	ra		Dundee Infirmary Brae railings 3	Infirmary Brae	Dundee	excellent	apparent maker's marks, but a
25993	George Smith & Co ?	Sun Foundry Glasgow ?	ra		Glasgow Westbourne Gardens railings 4	Westboune Gardens N	Glasgow	excellent	original railings ... no apparent
27459	George Smith & Co ?	Sun Foundry Glasgow	ra		Stonehaven railing 1	Bridgefield	Aberdeenshire	good	be of same approx date & mak
26928	George Smith & Co ?	Sun Foundry Glasgow ?	ra		Edinburgh Corstorphine railings 2	Corstorphine Road	Edinburgh	good	decoration to known Smith exa
25997	George Smith & Co ?	Sun Foundry Glasgow ?	ra		Glasgow St Vincent Street railings	St Vincent St c234	Glasgow	excellent	marked newel posts ... note &
28116	George Smith & Co Ltd	Sun Foundry Glasgow	ga		Stornoway Memorial Church gates 2	Francis Street	Western Isles	good	Kenneth Street gates ... only k
26645	George Smith & Co Ltd	Sun Foundry Glasgow	la		Manchester Albert Square lamp pillars 1	Albert Square	Manchester	good	dating from pedestrianisation i
26492	George Smith & Co?	Sun Foundry Glasgow	gr		Kirkcaldy Abbotshall gravemarker(s)	Abbotshall Churchyard	Kirkcaldy Fife	stable	'imaginable' on bottom of east
26336	George Smith & Co?	Sun Foundry Glasgow ?	la		Ballynahinch Church lamp pillars	St Patrick's RC Church	Ireland	good	design is very similar to registe
26733	George Smith &Co	Sun Foundry Glasgow	fd		Maxton pillar fountain	A699 west of St Boswells	Borders	good	fountain' as illus in catalogue .
409	George Wright & Co Ltd	Burton Weir Rotherham	sh		Bath Sydney Gardens Gents	Sydney Gardens	East Somerset	stable	Wright's catalogue. It is possil
26161	George Wright & Co Ltd	Burton Weir Rotherham	sh		Great Ayton urinal	Waterfall Park	Yorkshire	stable	one was moved from Station F
28057	Gibson & Sons	Edinburgh	ra		Edinburgh Meadows railing 4	& Leven Terrace	Edinburgh	good	maker's name on posts ... alsc
27892	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Kelso drinking fountain	Ednam House Hotel	Kelso Scottish Borders	good	presumably moved from town
28006	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Moniaive Glencairn drinking fountain	Glencairn nr Parish Church	Galloway 3 mi east	good	Bolton 09.2008
26319	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Ludlow drinking fountain	Castle entrance	Ludlow Shropshire	stable	G&K faucet bolted to the front,
28224	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Boat of Garten station drinking fountain	Strathspey Railway station	Highland	good	Kennedy's Patent circular valv
28371	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Derby Markeaton Park drinking fountain	Markeaton Park	Derby	stable	example ... info & photos P Mc
64	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd	0	Stirling Park Place pillar fountain	Park Place	Stirling	good	Mowbray Park example in rest
63	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Stirling Albert Place pillar fountain	Albert Place	Stirling	poor	
26325	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Alston pillar fountains	village centre	Alston Cumbria	good	the village ... described as wal
26696	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		fountain	Museum Argyle St	Glasgow	excellent	unusual/unique combined buc
27256	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Falkland Islands pillar fountain	John Street	Islands	good	Stanley ... maker's name on re
26118	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Kintore pillar fountain	Village centre	Kintore Aberdeenshire	stable	Drinking Water & intended for
25809	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Prince Albert pillar fountains	main street	Albert	good	... illustration of 'Street Standp
28587	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Kirkcudbright drinking fountain	Castle Street	& Galloway	stable	& note J Bolton 07.2009
27672	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd	41	Glencoe Village drinking fountain	Village Centre	Highland	lost	passed the village in the 1930s
61	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Stirling Queen's Road pillar fountain	Queens Road	Stirling	stable	dog bowl & bucket stand cast
62	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd	0	Stirling Queen's Road pillar fountain	Queen's Road	Stirling	stable	One of five around King's Park
26170	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Kilmun Church drinking fountain (wall)	Kilmun Church	Kilmun Argyll & Bute	stable	in G & K 16th ed catalogue 19
25692	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Kilmun Church pillar fountain	to rear)	Kilmun Argyll & Bute	stable	supply valve not functioning. ..
25852	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Renton drinking fountain	Main Street	Dunbartonshire	poor	not be the original from 1886.
28533	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Cleish drinking fountain	Village centre	Kinross	excellent	wall opposite church ... marke
28943	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Carradale pillar fountain	Community Garden	Bute	good	gargoyle outlet in place of mor
28340	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Aberdeen Old Town drinking fountain 2	Street	Aberdeen	good	Gardens q.v. & elsewhere in c
27383	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Downpatrick pillar fountain	not identified	Ireland	excellent	Watering Standpost & Pillar Fo
28326	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Dundee Dudhope Park drinking foutain 2	bowling greens)	Dundee	good	note J Bolton 03.2009

28630	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Plockton pillar fountains	village centre	Plockton Highland	stable	... photos & note J Bolton 06.2
27382	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd	D17	Coniston drinking fountain	B5285	Cumbria	good	with 'Kennedy's Patent self-clc
26692	Glenfield & Kennedy Ltd	Kilmarnock	fd		Orkney Stromness pillar fountain	Town Hall	Stromness Orkney	good	photo D Mitchell 04.2007
65	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Stirling King's Park Road pillar fountains	King's Park Road	Stirling	stable	... four were restored in 2009 b
28593	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Coatbridge drinking fountain 2	Summerlee Heritage Centre	Lanarkshire	good	& note J Bolton 05.2009
529	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Stirling Thistle Park pillar fountain	Thistle Park, St Ninians	Stirling	poor	Similar model to those around
28428	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Chesterfield drinking fountain	ground	Derbyshire	poor	... marked 'Glenfield' without th
28764	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Prestonpans Cemetery drinking fountain	Cemetery	Lothian	good	on rear of base ... photos & no
25881	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		Lanark High Street pillar fountain	High Street Tollbooth	Lanarkshire	excellent	elsewhere ... note & Photos J
27941	Glenfield & Kennedy Ltd	Glenfield	fd		Clifton-on-Teme drinking fountain	village centre	Hereforf & Worcester	good	base ... photo & note J Bolton
26430	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fd		fountain 2	Mowbray Gardens	Wear	excellent	Macfarlane canopy q.v. ... refu
28180	Glenfield & Kennedy Ltd	Glenfield Kilmarnock	fo		St Kitts Shadwell House fountain	Shadwell House	West Indies	stable	use as an ornamental fountain
28834	?	Glenfield Kilmarnock	fd		Milngavie Station drinking fountain	Railway Station	Milngavie	good	originally with G & K patented
26320	?	Glenfield Kilmarnock ?	fd		Midlem drinking fountain	village green	Scottish Borders	stable	maker's name ... note & photo
25969	?	Glenfield Kilmarnock ?	fd		Blackness pump & pillar fountain	Blackness village	Lothian	fair	unmarked cow-tailed pump da
28230	Glenfield Co Ltd	Glenfield Kilmarnock	fd		Peebles pillar drinking fountain	Northgate ?	Borders	fair	Glenfield Co Ltd .. presumably
571	Glenfield Co Ltd	Glenfield Kilmarnock	fd		East Saltoun pillar fountain	Main Street	Lothian	fair	& Kennedy product but marke
25871	Glenfield Co Ltd	Glenfield Kilmarnock	fd		Ayr drinking fountain	Beresford Terrace	Ayr South Ayrshire	good	... note & photos J Bolton 01.2
26127	Glenfield Co Ltd	Glenfield Kilmarnock	fd		Aberdeen Union Terrace pillar fountain	Terrace	Aberdeen	good	with top drinking facility ... note
25840	Ltd	Motherwell	br		Dumfries station footbridge	Station	Galloway	good	remarkably undecorated for its
28228	Grahamston Iron Co	Falkirk	la		Peebles lamp pillars 4	Venlaw Road ?	Borders	good	photos & note J Bolton 12.200
28543	Grahamston Iron Co Ltd	Grahamston Falkirk	ga		Grimsby Park gateway (lost)	Peoples Park	Grimsby Lincolnshire	lost	provided by Grahamston for th
541	Co Ltd	Grahamston Falkirk	ga		Falkirk Grahamston Ironworks gate-arch	entrance	Stirlingshire)	excellent	magnificent triumphal arch wa
28949	Handyside & Co	Derby	fo	15	fountain	George's Park	Elizabeth	excellent	No 15, but supplied with Scotti
27645	Handyside & Co Ltd	Britannia Foundry Derby	fo		Darwen Lightbown Fountain	Whitehall Park	Lancashire	at risk	restoration ... info & photos Ri
25985	Hanna Donald & Wilson	Abercorn Foundry Paisley	br		Paisley Abbey Bridge parapets & fascia	Abbey Bridge	Paisley Renfrewshire	stable	but parapets retained ... see a
25984	Hanna Donald & Wilson	Abercorn Foundry Paisley	br		Glasgow Partick Bridge parapets	Partick Bridge	Glasgow	good	sides of bridge (did they build
26192	Hanna Donald & Wilson	Abercorn Foundry Paisley	br		Dingwall station overbridge	Railway Station	Dingwall Highland	good	supports with makers' name o
26534	Hanna Donald & Wilson	Abercorn Foundry Paisley	la		Paisley Abercorn Bridge parapet lamps	Old Sneddon Street	Paisley Renfrewshire	good	Engineers Paisley' on base ...
26637	Hanna Donald & Wilson	Abbey Works Paisley	ot		Brazil Rio Grande water tank	?	Grande do Sul Brazil	not known	structure, cf similar tank at Pel
26636	Hanna Donald & Wilson	Abbey Works Paisley	ot		Brazil Pelotas water tank	Praca Piratinino de Almeida	Sul Brazil	not known	structure, outside Hospital Sar
26533	/ Ballantine Ltd	Ballantine Bo'ness	br		fascias	Old Sneddon Street	Paisley Renfrewshire	excellent	1910 .... rebuilt at a cost of £1
111	Wilson	Paisley	br		Glasgow Partick Bridge spandril panels	Hall	Glasgow	good	are by Hanna Donald & Wilsor
27161	Hardy & Padmore ?	Worcester ?	sh		Colwall shelter	A4105	Worcester	excellent	similar to H & P lamp pillars or
27220	Hart Son Peard & Co	Birmingham	la		Edinburgh Belford Hostel lamp pillars	Church)	Edinburgh	good	an upmarket back-packers hos
523	Heritage Engineering	Glasgow	ba		Stockport Vernon Park bandstand	Vernon Park	Stockport Cheshire	excellent	www.heritageengineering.com
25688	Heritage Engineering	Glasgow	ba		Middlesbrough Albert Park bandstand	Albert Park	Yorkshire	excellent	Foundry by Heritage Engineer
26434	Heritage Engineering	Glasgow	ba		Barry Victoria Park bandstand	Victoria Park	Glamorgan South	excellent	www.heritageengineering.com
26449	Heritage Engineering	Glasgow	fd		London Islington pillar fountain	Islington	London	excellent	image from www.heritageengi
26443	Heritage Engineering	Glasgow	sh		shelter	Alexandra Park	Manchester	excellent	original Macfarlane & Co desig
26436	Lockerbie & Wilkinson	Glasgow	ba		bandstand	Mowbray Gardens	Wear	excellent	Lockerbie & Wilkinson design
524	C Laing & Sons Ltd	Glasgow / Edinburgh	ba	14	Romsey War Memorial Park bandstand	War Memorial Park	Romsey Hampshire	excellent	Model no.14 (also in Cardiff c
174	George Smith & Co	Sun Foundry Glasgow	ba		Newcastle Leazes Park bandstand	Leazes Park	Newcastle on Tyne	excellent	example as reference .. info &
26644	Laing & Son	Beaverbank Edinburgh	ga		Oldham Alexandra Park gates	Alexandra Park	Manchester	excellent	overthrow arch 'terminal' No 3
26526	Laing's Foundry	Edinburgh	ba		Cardiff Grange Gardens bandstand	Grange Gardens	Cardiff South Wales	excellent	Heritage Engineering, Glasgo
338	Walter Macfarlane	Sons Ltd	fd	21	Dumbarton 'River City' drinking fountain	BBC River City Set	Dunbartonshire	excellent	Shieldinch fictional street set .
26438	Walter Macfarlane & Co	Glasgow	ba	279	Widnes Victoria Park bandstand	Victoria Park	(Lancashire pre 1974)	excellent	original 1903 bandstand ... inf
26435	Ltd	Glasgow	ba		Newport Belle Vue Park bandstand	Belle Vue Park	Wales	excellent	George Smith & Co ... photos
26486	Hill & Smith	Brierley Hill West Midlands	ra		Leeds The Old Post Office railings	Square	Leeds West Yorkshire	excellent	connection, but excellent neve
25746	Hills Brothers	Sun Foundry Alloa	ba		bandstand	Grove Park	North Somerset	excellent	column bases (2 on shields, 1
28803	Hills Brothers	Sun Foundry Alloa	la		Perth (Aus) Council House lamp pillars	Council House	Australia	excellent	Council (UK) in 1978 ... patter
26872	Hopkins, Gilkes & Co	Middlesborough	br		Kirkcudbright bridge plaques	St Mary's Street	& Galloway	good	bridge, now mounted on the ra
26871	Hopkins, Gilkes & Co	Middlesborough	la		Kirkcudbright bridge lamp pillars	Bridge Street A755	& Galloway	good	reconstruction of the bridge in
26833	I & J Ferguson	Tayport Fife	la		Falkland lamp pillars	West Port	Falkland Fife	good	more modern types .. only one
26210	Inverness Iron Co	Inverness	gr		marker 2	(north side)	Inverness Highland	stable	by company workmen to ? a c
26209	Inverness Iron Co ?	Inverness ?	gr		marker 1	(north side)	Inverness Highland	poor	(but unlike known marked Smi
									elsewhere in cemetery q.v. ...

26437	J & A Law	Rae Street Glasgow	ba		bandstand	Ward Jackson Park	Hartlepool Durham	excellent	protected by roller shutters ...
25826	J & A Law	Rae Street Glasgow	ba		Grange-over-Sands bandstand	promenade)	Cumbria	good	originally on prom (railings still
26038	J & A Law	Glasgow	ec		Southport 535 Lord Street canopy	Street	Southport Lancashire	good	note & photo J Bolton 05.2995
26040	J & A Law	Glasgow	ec		Southport 143 Lord Street canopy	153 Lord Street	Southport Lancashire	good	Bolton 05.2005, updated 03.2(
27824	J & A Law	Glasgow	ga		Newton Stewart gates 2	Corvisel Road	Dumfries & Galloway	excellent	railings ... photos & note J Bol
26862	J & A Law	Glasgow	ga		Castle Douglas Ernspie Road gate 3	Ernspie Road A745	Dumfries & Galloway	stable	damage .... photos & note J B(
26053	J & A Law	Glasgow	la		pillars	Promenade Gardens	Southport Lancashire	poor	J Bolton 05.2005
27829	J & A Law	Glasgow	ra	7	Newton Stewart railings 2	Corvisel Road	Dumfries & Galloway	excellent	marked 'J & A Law Glasgow N
27538	J & A Law	Glasgow	ra	16	Glasgow Hillhead Street railing 5	Western Road	Glasgow	excellent	replacements ... railings adjac
26865	J & A Law	Glasgow	ra	83	Castle Douglas Ernspie Road railing 3	Ernspie Road A745	Dumfries & Galloway	good	pattern No 83 indented on lov
26042	Varley	Glasgow	ec		Southport 287 Lord Street canopy	Street	Southport Lancashire	good	presumably at time of a major
26616	J & A Law Ltd	Glasgow	bc		Cleethorpes shopfront verandah 1	High Cliff Road	Lincolnshire	stable	see also entry for railing above
26621	J & A Law Ltd ?	Glasgow	bc		Cleethorpes shopfront verandah railing 1	High Cliff Road	Lincolnshire	stable	q.v.... photo & note J Bolton 0
26403	J & R Howie	Hurlford Ayrshire	fd		fountain	Sydney Gardens	East Somerset	stable	evidence that this was sometir
28574	J Affleck	Dumfries	st		Dumfries Mid Steeple mile marker	Mid Steeple High Street	Galloway	excellent	1837' ... see also small mile pc
28573	J Affleck	Dumfries	st		Castle Douglas King Street milepost	King Street	Dumfries & Galloway	good	Steeple in Dumfries by same r
27275	J Black	Albert Foundry Leith	ga		Edinburgh Meadowbank gate	London Road	Edinburgh	good	bottom rail ... only known exan
27276	J Black	Albert Foundry Leith	ra		Edinburgh Meadowbank railing	London Road	Edinburgh	good	bottom rail) ... c1890 ... examp
28787	J Boyd & Sons	Paisley	gl		Port Elizabeth Pearson Conservatory	St George's Park	Elizabeth	good	by J Boyd & Sons Paisley (see
27726	J Bruce	Pulteney Foundry Wick	bu		Wick shopfront 3	Market Place	Highland	excellent	on columns ... photos & note J
27731	J Bruce	Pulteney Foundry Wick	bu		Wick Town Hall extension	Bridge Street	Highland	good	each ... photos & note J Bolton
27734	J Bruce	Pulteney Foundry Wick	ot		Wick Pulteney Foundry	Francis Street	Highland	stable	Foundry ... photo & note J Bol
27699	J Bruce ?	Pulteney Foundry Wick	bu		Wick shopfront 1	Thurso Street	Highland	good	photos & note J Bolton 06.200
271	Co	Gloucester / Coalbrookdale	ba		Cheltenham Montpellier Park bandstand	Montpellier Park	Gloucestershire	good	columns are marked J Butt Gl
25694	J Starkie Gardner & Co	Lambeth London	ga		Edinburgh Holyrood Palace gates	Holyrood Palace	Edinburgh	stable	Washington Browne. Starkie G
26308	J? Rowell	Aberdeen	ga		Newtonmore station gate pillar	goods yard	Newtonmore Highland	good	entrance to former timber & cc
26355	James Allan	Elmbank Foundry Glasgow	ec		Llandrindod Wells pavement canopy 2	Emporium	Powys Wales	good	'Allan Elmbank Glasgow' on tw
26519	James Allan Sen & Son	Elmbank Foundry Glasgow	ba	9	Sheffield Weston Park bandstand	Weston Park	Yorkshire	excellent	the only surviving Victorian ba
26835	James Allan & Co ?	?	ot		Falkland Bruce Memorial lions	centre)	Falkland Fife	good	1856. The lions however are a
26427	James Allan & Co Ltd	Elmbank Foundry Glasgow	ba		bandstand	Courtenay Park	Newton Abbot Devon	stable	face of col bases ... similar to (
205	James Allan & Co Ltd	Elmbank Foundry Glasgow	ba		South Shields West Park bandstand	West Park	Wear	good	bandstand still in use ref
26815	James Allan & Co Ltd	Elmbank Foundry Glasgow	ec	117	Betws-y-Coed entrance canopy	Pont-y-Pair Hotel A5	Wales	stable	layout matches that at Deganv
154	James Allan & Co Ltd	Elmbank Foundry Glasgow	ec	11	Deganwy pavement canopy 1	Station Road A546	Wales	good	Allan Elmbank Foundry Glas
26627	James Allan Ltd	Elmbank Foundry Glasgow	fo	17	fountain	Albert Park	Zealand	good	Allan catalogue as Fountain N
26461	James Allan Sen & Son	Elmbank Foundry Glasgow	ba		Spennymoor Jubilee Park bandstand	Jubilee Park	Spennymoor Durham	good	refurb date 1990 ... appears th
26393	James Allan Sen & Son	Elmbank Foundry Glasgow	ba		Sherborne Pageant Gardens bandstand	Pageant Gardens	Sherborne Dorset	good	use for summer concerts ... in
26528	James Allan Sen & Son	Elmbank Foundry Glasgow	ba		Neath Victoria Gardens bandstand	Victoria Gardens	Talbot Wales	excellent	Laing & Son Ltd Edinburgh 20
25887	James Allan Sen & Son	Elmbank Foundry Glasgow	ba		Folkestone The Leas bandstand	The Leas	Folkestone Kent	good	Date from M Bradbury ...
26333	James Allan Sen & Son	Elmbank Foundry Glasgow	bc		verandah	Russell-Cotes Museum	Bourenemouth Dorset	good	marked 'James Allan Senr & S
28614	James Allan Sen & Son	Elmbank Foundry Glasgow	bo		Lochaline Ardtornish rainware	Ardtornish House	Lochaline Highland	good	note J Bolton 06.2009
155	James Allan Sen & Son	Elmbank Foundry Glasgow	ec		Wrexham canopy	Road Rhosnesni	Wales	good	'Allan Glasgow' discernable or
28277	James Allan Sen & Son	Elmbank Foundry Glasgow	fd	25	(lost)	Phoenix Park	Glasgow Cowcaddens	lost	bandstand & fountain q.v.) in F
27199	James Allan Sen & Son	Elmbank Foundry Glasgow	la		Jersey lamp pillars	Place	Channel Islands	good	perhaps dating from 1902 whe
27023	James Allan Sen & Son	Elmbank Foundry Glasgow	la		Weymouth lamp pillars 1	The Esplanade	Weymouth Dorset	good	& intermediate brackets surviv
351	James Allan Sen & Son	Elmbank Foundry Glasgow	la		Dumfries Station lamp pillars	Station	Galloway	good	platforms (? of the four which v
26076	James Allan Sen & Son	Elmbank Foundry Glasgow	la		Hobart lamp pillars 2	Macquarie Street	Australia	good	Glasgow on base ... part of the
25869	James Allan Sen & Son	Elmbank Foundry Glasgow	ot		Ayr station staircase	Ayr Station	Ayr South Ayrshire	good	date main George Smith cano
27021	James Allan Sen & Son	Elmbank Foundry Glasgow	ra	339	railing	Pageant Gardens	Sherborne Dorset	good	maker's name on panels & sor
27017	James Allan Sen & Son	Elmbank Foundry Glasgow	sh		Leamington Spa aviary	Jephson Gardens	Warwickshire	excellent	tearoom, redundant & used as
27136	James Allan Sen & Son	Elmbank Foundry Glasgow	sh		Great Malvern shelter	Wells Road	Hereford & Worcester	good	... photos & note J Bolton 11.2
27139	James Allan Sen & Son	Elmbank Foundry Glasgow	sh		Lincoln Woodhall Junction Station urinal	Burton Road	Lincoln	excellent	on end panel) ... moved to the
158	James Allan Sen & Son	Elmbank Foundry Glasgow	sh		Penarth shelter & stairs	The Esplanade	Glamorgan Wales	good	note & photos J Bolton 10.20(
25909	James Allan Sen & Son	Elmbank Foundry Glasgow	sh		Liverpool Stanley Park aviary (lost)	Stanley Park	Liverpool	lost	bases ... removed during park
26841	James Allan Sen & Son	Elmbank Foundry Glasgow	sh		Plymouth Devonport urinal (in store?)	Ferry Road (formerly)	Devon	at risk	& 1988, and believed to be 'in
28427	James Allan Sen & Son	Elmbank Foundry Glasgow	st		Cheltenham ventilator pipe	Imperial Square	Gloucestershire	excellent	underground facilities ... make
									Phoenix Park ... perhaps Elmb

26820	?	?	bc		Tywyn cinema balcony	Cinema College Green	Wales	stable	brackets similar to Macfarlane
26819	?	?	bo		Tywyn cinema lettering	Cinema College Green	Wales	stable	similar to George Smith & Co
28615	?	Elmbank Foundry Glasgow	bo		Lochaline Ardtornish roof cresting	Ardtornish House	Lochaline Highland	good	rainware q.v. ... photos & note
28616	?	Elmbank Foundry Glasgow	ec		Lochaline Ardtornish verandah	Ardtornish House	Lochaline Highland	good	perhaps by Allan as is rainwar
28140	?	Elmbank Foundry Glasgow	fo	15	fountain	Queen's Park	West Indies	good	catalogue ... photos & note J E
28276	?	Elmbank Foundry Glasgow	fo		Glasgow Phoenix Park fountain (lost)	Phoenix Park	Glasgow Cowcaddens	lost	Bros, confectionary manufactu
26629	?	?	ga		New Zealand Auckland Harbour gates	Quay Street	Zealand	excellent	of Elmbank Foundry, Glasgow
25842	?	?	ot		Dumfries station canopy 2	Station	Galloway	good	Maker surmised - does not ap
26817	?	?	ra		Tywyn cinema balcony railing	Cinema College Green	Wales	stable	attribution ... photos & note J E
27166	?	?	ra		Glasgow Sauchiehall Street railing 3	Sauchiehall Street (west)	Glasgow	stable	Elmbank railing No 88 ... phot
26078	?	Elmbank Foundry Glasgow	sh		Sydney The Rocks urinal	The Rocks	Wales Australia	excellent	fitted with modern stalls. Intrig
381	Ltd	Elmbank Foundry Glasgow	ba		Crieff Macrosty Park bandstand	Macrosty Park	Kinross	stable	Foundry in Glasgow - the only
433	Ltd	Elmbank Foundry Glasgow	ba		Swindon Town Gardens bandstand	Town Gardens Quarry Rd	Swindon Wiltshire	excellent	Dorothea Restorations Ltd
25747	Ltd	Elmbank Foundry Glasgow	ba		Clevedon bandstand	Promenade	Somerset	good	by James Allan Senr & Son m
25904	Ltd	Elmbank Foundry Glasgow	ec		Llandudno pavement canopy (Allan 1)	Mostyn Street (Ask Interiors)	Wales	good	bases ... note & photos J Bolt
28353	Ltd	Elmbank Foundry Glasgow	ec		(lost)	Hope Street / Renfrew Street	Glasgow	lost	to a cinema 1916 ... converte
26442	Ltd	Elmbank Foundry Glasgow	fo		Matlock Hall Leys Park fountain	Hall Leys Park	Matlock Derbyshire	good	attribution & image from
150	Ltd	Elmbank Foundry Glasgow	gl		Llandudno Pier Pavilion (remnant)	Llandudno Pier approach	Wales	lost	Wales website ... probably onl
25703	Ltd	Elmbank Foundry Glasgow	la		Dublin Simmonscourt Road lamp pillars	Simmonscourt Road	Dublin Ireland	good	.....photo: A Davey 10.200
204	Ltd	Elmbank Foundry Glasgow	la		pillar	Fair Green	Tyne & Wear	good	Green refurb in 1912 ... marke
25710	Ltd	Elmbank Foundry Glasgow	la		Brechin Library lamp pillar	library	Brechin Angus	good	...photo J Bolton 07.99 .... rec
27445	Ltd	Elmbank Foundry Glasgow	ot	78	Peterhead balcony railings	Sheriff Court Queen Street	Aberdeenshire	good	catalogue ... old photographs
25900	Ltd	Elmbank Foundry Glasgow	sh		Llandudno shelter	Cloddaeth Street	Wales	stable	perhaps relocated ... column b
25766	Ltd ?	Elmbank Foundry Glasgow	ba		Hawick bandstand (lost)	Wilton Lodge Park	Borders	lost	... Date assumed is that of Par
25905	Lytd	Elmbank Foundry Glasgow	ec		Llandudno pavement canopy (Allan 2)	Roberts)	Wales	good	bases, spandrils largely obscu
26590	Son	Elmbank Foundry Glasgow	la		Glasgow street lamp pillar 1 (GSWR)	formerly at People's Palace	Glasgow	unknown	outside the People's Palace, p
26002	James Allan Senr	Elmbank Foundry Glasgow	la		lamps	Great Western Terrace	Glasgow	good	stairs at each end and two at e
27866	James Allan Senr & Co	Glasgow	ga		Stranraer gates 05	Terrace	Galloway	good	badly damaged, this one negle
27846	James Allan Senr & Co	Elmbank Foundry Glasgow	ra		Stranraer railings 05	Lewis Street	Galloway	good	Iron Co No 1271 & Macfarlane
27851	James Allan Senr & Co	Glasgow	ra		Stranraer railings 10	Terrace	Galloway	poor	back of uprights ... photos & n
28019	?	Milton Ironworks Glasgow	ga		Stranraer gates 13	Lewis Street	Galloway	good	Street has James Allan railing
26410	James Allan Senr & Son	Elmbank Foundry Glasgow	bo		Bath Abbey rainware	Bath Abbey extension	East Somerset	excellent	photos j Bolton 11.2006
28352	James Allan Senr & Son	Elmbank Foundry Glasgow	ec		(lost)	Marine Promenade	New Brighton Wirral	lost	illus from catalogue ... built wh
26046	James Allan Senr & Son	Elmbank Foundry Glasgow	ec		Southport 221 Lord Street canopy	Street	Southport Lancashire	good	note & photos J Bolton 05.200
26592	James Allan Senr & Son	Elmbank Foundry Glasgow	la		Glasgow street lamp pillar 3	formerly at People's Palace	Glasgow	unknown	outside the People's Palace, p
26408	James Allan Senr & Son	Elmbank Foundry Glasgow	la		Bath Royal Crescent lamp pillars	/ etc	East Somerset	good	name on base & TM above de
27196	James Allan Senr & Son	Elmbank Foundry Glasgow	sh	13	Guernsey urinal	le Bordage	Guernsey Channel	good	... fitted with porcelain back &
118	James Allan Senr & Son	Elmbank Foundry Glasgow	sh		Bristol urinal SS Great Britain	Western Dockyard	Bristol	stable	have been in the dockyard sin
27417	?	Elmbank Foundry Glasgow	ba		Worcester bandstand	Gheluvelt Park	Worcester	excellent	in lake ... maker's name on ba
26155	Ltd	Elmbank Foundry Glasgow	la		Crich Ashton lamp pillars	National Tramway Museum	Ashton under Lyne	stable	Assembly Rooms) with arms c
26335	Ltd	Elmbank Foundry Glasgow	la		(replaced)	King's Bridge	Ireland	lost	bases, photographed in 05.19
26756	Ltd	Elmbank Foundry Glasgow	la		base	Margaret Drive	Glasgow	good	by City Council after represent
426	Ltd	Cornton Foundry Stirling	bu		Glasgow Templeton's ironwork	Glasgow Green	Glasgow	good	Ltd.
424	Ltd	Cornton	sh		Stirling station canopies	Station Road	Stirling	good	platform canopies reduced in
425	Ltd	Cornton	sh		Gleneagles Station canopies	Gleneagles Station	Perthshire & Kinross	good	and unmanned, entrance lodg
27489	James Goodwin & Co	Ardrossan	br		Greenock bridge parapet	Union Street ?	Greenock Inverclyde	stable	bridge ... opposite parapet is a
26844	James Horn	Kirkcaldy	ra		Thornhill Drumlanrig Castle Ironwork	Drumlanrig Castle	Galloway	excellent	centre section said to be origir
25938	James Laidlaw	Glasgow	br		Perth Bridge parapets & lamps	Perth Bridge	Perth Perth & Kinross	good	lamps supporting footways on
46	James Neilson	Neilson Foundry	fo		Stirling Black Boy fountain	Park Ave / St Ninian's Road	Stirling	stable	James Beaumont Neilson - ho
26934	James Ross	Portobello Midlothian	ra		Edinburgh Milton Road Scaliger railing	Milton Road East	Edinburgh	good	refurbished as flats c1970 ... "I
543	John Stewart & Son	John Stewart & Son	bo		Dundee transit sheds	Victoria Docks	Dundee	stable	Ironfounders, Irvine.....
27896	Kelso Foundry	Kelso	bu		Kelso shopfronts 1	Bridge Street	Kelso Scottish Borders	good	discernable ... pilasters on adj
27897	Kelso Foundry ?	Kelso	bu		kelso shopfronts 2	Bridge Street	Kelso Scottish Borders	good	decorative examples at doorw
28583	Kennard & Co	not identified	st		Kirkcudbright road gullies	Castle Street & High Street	& Galloway	stable	'Kennard' name & marked 'Lov
394	Laidlaw & Sons Ltd	Glasgow	ot		Brighton West Pier structure	West Pier	Brighton East Sussex	stable	and opened on October 6th, 1
									central section ... appears to b

438	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	54	Greenhithe bandstand ?	Greenhithe Station	Kent	lost?	Lion archive for L E Groucher
436	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	24	Trinidad San Fernando bandstand	Harris Promenade	Trinidad	not known	are in Lion archive - for 'Henck
435	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		Ascot Racecourse bandstand (sold)	Ascot Racecourse	Ascot Berkshire	restored	Sons Bucks - foundation roof &
382	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		Dalbeattie Colliston Park bandstand	Colliston Park	Galloway	excellent	hand Glasgow gas lamp pillars
439	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	Maidstone Strood bandstand (lost)	Strood Recreation Grounds	Maidstone Kent	lost	pesumed lost ... photo is of a T
437	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		London East Ham bandstand (lost)	Newham	London East Ham	lost	model no - assumed lost ..illus
212	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	37	Musselburgh Lewisvale Park bandstand	Lewisvale Park	Lothian	fair	by Heritage Engineering in 20(
450	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	bandstand	Bank	& Worcester	fair	publicity sheet & roof (copper)
449	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	Birmingham Handsworth Park bandstand	Handsworth Park	Birmingham	excellent	Lion archive ... refurbished in 2
451	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	Blackburn Queen's park bandstand (lost)	Queen's Park	Blackburn Lancashire	lost	drgs in Lion archives ... 'In 19
452	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	Port Talbot bandstand	Talbot Memorial Park	Port Talbot Wales	stable	drgs in Lion archive ... general
453	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	42	Irlam Princess Park bandstand (lost)	Princess Park	Lancashire	lost	archive ... Princess Park exists
26520	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	42	Thorne bandstand	Public Park	Yorkshire	good	Info & image from M Bradbury
454	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		(lost)	Alexandra Gardens	Windsor Berkshire	lost	... www.thamesweb.co.uk rec
25682	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		Ashford bandstand (lost)	Victoria Park ?	Ashford Kent	lost	g.a. & roof drgs in Lion archive
456	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	42	Spennymoor bandstand (lost)	Spennymoor Junction	Spennymoor Durham	lost	tiled) drgs in Lion archive.... as
25681	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	Hyde bandstand	The Park	Hyde Manchester	excellent	& roof in Lion archive ... (cf Bir
458	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		Paisley bandstand (lost)	Brody Park ?	Paisley Renfrewshire	lost	Lion archive incl shield 'gifted I
211	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	(in store)	Saughton Park	Edinburgh	in store	Meadows bs ... dismantled in (
26395	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		Newbury Victoria Park bandstand	Victoria Park	Newbury Berkshire	good	deco spandrils & No 477 railin
26527	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	37	Carmarthen bandstand	Carmarthen Park	Carmarthen Wales	good	columns ... some damage to ra
169	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	25	Kirkintilloch Peel Park bandstand	Victoria / Peel Park	Dunbartonshire	good	Lion archive ... restored by He
210	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	Edinburgh Meadows bandstand	The Meadows	Edinburgh	lost	demolished in 1953. Twin fron
209	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	24	Dartmouth Riverside Park bandstand	Riverside	Dartmouth Devon	excellent	... Bandstand with windshield i
207	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	24	Christchurch Town Quay bandstand	Town Quay	Christchurch Dorset	not known	these photos were taken in 04
455	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		Southport Victoria Park bandstand	Victoria Park	Southport Lancashire	good	archive .... ?resited, if so when
446	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	54	Shotts bandstand (lost)	Dykehead Public Park ?	Lanarkshire	lost	roof drgs in Lion archive ... RC
441	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	24	Greenock bandstand (lost)	not identified	Greenock Inverclyde	lost	publicity sheet , roof & foundat
442	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	24	Glasgow Govan bandstand (lost)	Elder Park Govan	Glasgow Govan	lost	image from p c.... Glasgow Ur
443	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	24	(lost)	Road	London Lambeth	lost	demolished 'in the 1960s' (info
219	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	Barnsley Locke Park bandstand	Locke Park	Yorkshire	good	shield on column base c.f. Mus
25683	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	25	Clydebank bandstand (ex Dalmuir)	Queens Square	Dunbartonshire	good	archive ... situated incongruou
445	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	Birmingham Lightwoods Park bandstand	Lightwoods Park	Birmingham	fair	publicity sheet drgs are in Lion
440	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	St Anne's bandstand (lost)	not identified	Lancashire	lost	a g a drawing & of a coat of ar
26514	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		Oakham bandstand	Ground	Oakham Rutland	good	report plans for repaint of banc
25677	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	37	Kilsyth Burngreen Peace Park bandstand	Burngreen Peace Park	Lanarkshire	good	archive (? Type 37 supplied to
447	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	25	Matlock Hall Leys park bandstand	Hall Leys Park	Matlock Derbyshire	excellent	foundation drgs in Lion archive
25678	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba	23	Costa Rica Punta Arenas bandstand	Punta Arenas	Arenas	not known	drgs in Lion archive .... web se
25679	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		Rotherham kiosk (for where?)	not identified	Yorkshire	not known	Yates,Haywood Ltd, Rotherha
25680	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		bandstand (lost)	Bowes Museum	Durham	lost	archive .... was located in dom
218	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ba		Kirkintilloch Woodhead bandstand (lost)	Woodhead Park	Dunbartonshire	lost	built for the opening of the par
26481	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bl		Leeds County Arcade internal railings	County & Cross Arcades	Leeds West Yorkshire	excellent	archive at Kirkintilloch library ..
26837	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bo		Falkland rainware 2	High Street	Falkland Fife	good	Foundry marked downpipes ...
220	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	br		London Lambeth Bridge parapets	Lambeth Bridge	London	good	Parapets and other ironwork s
25828	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	br		Conwy (Conway) bridge	A55	Conwy North Wales	excellent	Span Bridge ..' illustrated in Li
27565	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Co	Alloway Street	Ayr South Ayrshire	good	Archive Kirkintilloch Library via
27263	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Edinburgh Lothian House	Lothian House Lothian Road	Edinburgh	excellent	the Union Canal ... breast pan
474	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Paisley façade (lost?)	A Bell & Sons ?location	Paisley Renfrewshire	not known	Bell & Sons are recorded as d
26482	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Leeds County arcade roof structure	County & Cross Arcades	Leeds West Yorkshire	excellent	arcade held in Lion archive at
573	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Stroud Burton's Store widow panels	King Street ?	Gloucestershire	good	at Kirkintilloch ... photo & note
482	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Glasgow Gallowgate facade	Gallowgate	Glasgow	stable	2004..... Image courtesy of Jol
481	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Exeter shop front	Co-op building ?location	Exeter Devon	not known	current status not known 11.2(
480	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Liverpool Burton's window panels (lost?)	Burton's London Road	Liverpool	lost ?	stores ... not located by J Bolt(
478	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Stoke-on-Trent Burton's window panels	Burton's Ltd	Trent Staffordshire	not known	Status not known
477	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Singapore bank window panels	Bank of China Battery Road	Singapore	excellent	surrounding buildings ... date f
									Status not known. Order ref X2

475	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Bolton Burton's window panels	not identified	Bolton Lancashire	not known	Bolton 01.2003
471	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Barnsley Burton's window panels	Queen Street / Eldon Street	Yorkshire	good	vacant - Burton's are in a mod
470	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Mansfield Co-op façade	Co-op Society	Nottinghamshire	not known	Order H260 … ?source cf Bar
469	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		London Bexley window panels	Place Bexley	London	not known	address was erected by Matth
468	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Nottingham Home Brewery façade	Mansefield Road	Nottingham Daybrook	not known	Home Brewery Head Office, M
465	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		panels	Connaught House Aldwych	London	good	Library) ... in 06.2006 Connau
464	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Blackpool Burlingham façade (lost?)	H V Burlingham Ltd factory	Blackpool Lancashire	not known	built bus bodies like this one ..
463	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		India Bombay bank	Reserve Bank ?location	India Bombay	not known	building still exists ... note J Bc
462	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Margate Burton's window panels	Burton's	Margate Kent	not known	Order F443.
28292	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Glasgow Rangers Pavilion 1900-29	Glasgow Rangers F.C.	Glasgow	lost	together with main stand in 19
461	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		London Mallows & Co window panels	65 Margaret St	London	excellent	Margaret St (archive Kirkintillo
460	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		London Fulham PS façade	Lots Road Fulham	London	not known	Foundry's work, from www.der
27096	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Pitlochry shop front 2	Atholl Street	Kinross	good	corner doorway ... photos & nc
466	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	bu		Chester? Façade	not identified	0	not known	Kaleyards .... web search 01.2
487	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ec		canopy?	Mannington Lane	Yorkshire	lost	perhaps Lion were subcontrac
26354	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ec		Llandrindod Wells pavement canopy 1	Metropole (ex Bridge) Hotel	Powys Wales	excellent	entwined wysteria, and part er
479	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ec		canopy (lost)	Street	Edinburgh	lost	whole fontage was removed in
26572	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ec	476	Edzell Glenesk Hotel verandah	High Street	Edzell Angus	good	undecipherable ... but railing p
184	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	fd		Stirling King's Park drinking fountain	King's Park entrance	Stirling	excellent	George Smith & Co Sun Foun
180	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	fd		Edinburgh Newcraighall drinking fountain	Newcraighall	Edinburgh	good	Sun Foundry product, but two
25696	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	fd		Tomintoul drinking fountain	The Square	Tomintoul Moray	good	Fountain by Lion Foundry in K
25848	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	fd		fountain	Burngreen Peace Park	Lanarkshire	poor	Originally identical to recently
221	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	fd		Kirkintilloch Peel Park drinking fountain	Victoria/Peel Park	Dunbartonshire	good	adjacent bandstand - restored
222	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	fd		fountain	Stoke Green Binley Road	Coventry	stable	Foundry archive at Kirkintilloch
27128	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga		Ludlow Culmington gate	B4365	Shropshire	good	railing qv) as illus in catalogue
28251	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga	92	Beamish Museum Ravensworth gate 1	Ravensworth Terrace	Beamish Durham	good	installed with Railing No 461 q
223	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga		London Hyde Park gates	Hyde Park	London	good	Coalbrookdale gates were des
224	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga		Douglas IOM Pier gates (lost)	Victoria Pier	Douglas Isle of Man	lost	archives. The gates do not ex
27826	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga	99	Newton Stewart gates 4	York Road	Dumfries & Galloway	excellent	photos & note J Bolton 07.200
27106	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga		Kirkintilloch gate 1	Lenzie Road	Dunbartonshire	stable	Lion Foundry catalogue ... phc
27864	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga	75	Stranraer gates 03	Lewis Street	Galloway	good	gate No 75 as illus in 5th ed ca
28096	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga	91	Stornoway Goathill Road (L) gate	Drive	Western Isles	excellent	photos & note J Bolton 06.200
26202	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga	91	Rosemarkie Marine Terrace gates	Marine Terrace	Rosemarkie Highland	good	matching railings are marked '
170	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga		Kirkintilloch Peel Park gates	Victoria / Peel Park	Dunbartonshire	excellent	Restored in 2003. ...note & ne
27146	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ga		Loanhead gate 1	Loanhead Road	Loanhead Midlothian	good	railing qv ... photos & note J B
459	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	gl		Tunbridge Wells conservatory	?	Tunbridge Wells Kent	not known	Order no. H663
27112	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	la	146	Kirkintilloch Provost lamp	Auld Kirk Museum	Dunbartonshire	excellent	the current Provost (Mayor) of
26267	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	la		Greenock 'provost' lamps 1	Clyde Square	Greenock Inverclyde	good	town centre improvement sche
27502	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	la		Rothesay Battery Place lamp pillars	Battery Place	Bute	good	one of many modern repro lan
27837	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	la	4	Newton Stewart Museum lamp pillars	The Museum York Road	Dumfries & Galloway	good	former St John's Church ... ma
27487	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ot		Greenock services box	Clyde Square	Greenock Inverclyde	stable	maker's shield TM on base ...
27113	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ot		Kirkintilloch Lion foundry display	Auld Kirk Museum	Dunbartonshire	excellent	important collection held by th
28314	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra		Southport 104 Lord Street balcony railing	Lord Street	Southport Lancashire	good	Railing No 661 in Lion Foundn
28257	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra	91	Beamish Museum Ravensworth gate 3	Ravensworth Terrace	Beamish Durham	excellent	photos & note J Bolton 02.200
28255	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra	476	Beamish Museum Ravensworth railing 3	Ravensworth Terrace	Beamish Durham	excellent	name very clear on bottom rail
28252	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra	461	Beamish Museum Ravensworth railing 1	Ravensworth Terrace	Beamish Durham	excellent	with gate No 92 q.v. ... photos
28042	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra	461	Stranraer railings 31	Caernryan Road	Galloway	good	maker's name on bottom rail ..
27129	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra		Ludlow Culmington railing	B4365	Shropshire	good	gate qv) as illus in catalogue c
27847	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra	548	Stranraer railings 06	Lewis Street	Galloway	good	railing in cat c1910 ... note tha
28860	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra	462	Blairgowrie railings 5	George Street	& Kinross	good	catalogue ... photo & Note J B
27448	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra		Carnoustie balcony railings 2	High Street	Carnoustie Angus	good	maker's name on bottom rail ..
27831	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra	407	Newton Stewart railings 4	York Road	Dumfries & Galloway	good	... photos & note J Bolton 07.2
28415	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra		Lerwick St Olaf Street railings 11	St Olaf Street	Lerwick Shetland	good	cat c1900 ... photos & note J E
27254	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra		Oxford Norham Gardens railing	Norham Gardens	Oxford Oxfordshire	excellent	note J Bolton 03.2008
27141	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra		Loanhead railing 1	Loanhead Road	Loanhead Midlothian	good	No 448 (illus) ... also gate qv ..
									... maker's name on bottom rai

28439	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	ra	477 & 93	Lerwick Hillhead railings 10	Hillhead Gladstone Terrace	Lerwick Shetland	excellent	standard as illus in cat c1900 .
216	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	sh		Blackpool pier shelter	Victoria Pier / South Pier	Blackpool Lancashire	lost?	Bolton 01.2006
26248	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	sh		Dunoon bus shelters	Pier precinct	Dunoon Argyll & Bute	good	terminal ... similar shelter at ne
217	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	sh		Whitley Bay shelter	not identified	Wear	not known	Identified in Lion Cat c1930 ...
570	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	sh		Kilmun bus shelter	A880 shoreside road	Kilmun Argyll & Bute	stable	literature 1950s? ... similar she
28131	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	sh		Northampton tram shelter 2	Kingsthorpe Grove	Northampton	stable	Lion Foundry in 1936 & supplie
206	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	sh	58	Ashton under Lyne shelter (lost)	not identified	Lancashire	lost	shelter on ground ... note upd
208	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	sh		Dewsbury Crow Nest Park shelter (s)	Heckmondwike Road	Yorkshire	good	stated to have been supplied t
26158	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	sh		Crich tram shelter 2	National Tramway Museum	Ashton under Lyne ?	good	museum to have come from A
28130	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	sh		Northampton tram shelter 1	Racecourse	Northampton	stable	Lion Foundry in 1936 & supplie
214	Lion Foundry Co Ltd	Lion Foundry Kirkintilloch	sh		Blackpool shelter (north promenade)	North Promenade	Blackpool Lancashire	fair	c1930 catalogue (at Ironbridge
27517	George Smith & Co	Sun Foundry Glasgow	ec		canopies	Mount Stuart Road	Bute	good	panels (see also terminal) - ma
55	Rowell	Lion Foundry Kirkintilloch	ba	279	Eastleigh Town Park bandstand	Town Park	Eastleigh Hampshire	good	archives - it is thought that this
213	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ba		Chester The Groves bandstand	Queens Park / The Groves	Chester Cheshire	good	bases are clearly marked Wrig
26425	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch ?	bc		Portsmouth Theatre Royal verandahs	Guildhall Walk	Hampshire	good	ironwork assumed to be from t
27035	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch ?	bu		Alloa former Burtons building	High Street	Clackmannanshire	at risk	empty?) ... many were made b
26477	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	bu		Halifax Burton Building window panels	Princess St / Old Market	Halifax West Yorkshire	good	Burton's Buildings ... note & ph
26341	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch ?	bu		Belfast Burton's window panels	Castle Place	Ireland	excellent	by Lion, but they did supply pa
109	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch ?	bu		Stirling shop window panels	King Street	Stirling	good	Woolworths) Building ... simila
28260	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ec		Beamish Museum Co-op shop canopy	Street	Beamish Durham	good	Annfield Plain, Stanley ... com
26150	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch ?	fd	25	drinking fountain	Museum	Nottingham	excellent	not marked but appears identi
27946	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ga	247	Stornoway Matheson Road (C) gate	Matheson Road	Western Isles	good	... photos & note J Bolton 06.2
27910	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ga		Kilsyth gate	A 803 Glasgow Road	Kilsyth	good	WI frame ... as Lion No 439 ra
27835	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ga		Newton Stewart Museum gates	The Museum York Road	Dumfries & Galloway	good	Church ... unmarked but in ass
27188	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch ?	la		St Andrews lamp pillars 1	Town Hall Queen's Gardens	St Andrews Fife	excellent	unmarked but lower section is
27503	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ra		Rothesay Battery Place roof railing	Battery Place Regent Hotel	Bute	good	of 1920s Lion products ... phot
27836	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ra		Newton Stewart Museum railings	The Museum York Road	Dumfries & Galloway	good	unmarked but in association w
27812	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ra	247	Drummore railings 5	Stair Street	Galloway	good	appears to have Macfarlane d
27843	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ra	286	Stranraer railings 02	Stoneykirk Road	Galloway	good	a number of foundries ... top d
28449	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ra		Lerwick St Olaf Street railings 11a	St Olaf Street	Lerwick Shetland	good	building with Lion railings q.v.,
27947	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ra	247	Stornoway Matheson Road (C) railings	Matheson Road	Western Isles	good	catalogue c 1910 ... photos &
27440	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	ra	286	Fraserburgh railings 9	King Edward Street	Aberdeenshire	good	similar ... one of nine patterns
28242	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	sh		Beverley urinal	Sessions Spa New Walk	Yorkshire	poor	House, a 'spa' since 2005 ... p
27131	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch ?	sh		Seaton Colyford station urinal	Tramway	Seaton Devon	excellent	catalogue, but also in the cata
28008	Lion Foundry Co Ltd ?	Lion Foundry Kirkintilloch	sh		Moniaive bus shelter	Ayr Street	Galloway	good	in the 1950s ... no maker's nar
448	???	Lion Foundry Kirkintilloch	ba	14	Limerick People's Park bandstand	People's Park Pery Square	Limerick Ireland	good	Lion archive ... www search in
26614	Lockerbie & Wilkinson ?	Exeter Street Birmingham	bu		Cleethorpes 'Mermaid' cafe	Central Promenade	Lincolnshire	stable	column heads & heavily overp
25874	Lost Art Ltd	Wigan	ba		bandstand	South Marine Park	Wear	excellent	Worthing) by Lost Art Ltd of W
503	Ltd	Balcarres St Edinburgh	gl		Cardross Geilston glasshouse	garden	Cardross Argyll & Bute	good	West Region. ... Mainly timber
25910	Ltd	Balcarres St Edinburgh	gl		Liverpool Stanley Park Conservatory	Stanley Park	Liverpool	excellent	Restorations), & re-erected as
528	Ltd	Balcarres St Edinburgh	gl		Liverpool Sefton Park palm house	Sefton Park	Liverpool	excellent	for receptions etc ... Note & ph
25896	Ltd	Balcarres St Edinburgh	gl		conservatory	Kingsknowes Hotel	Borders	excellent	described as 'exquisite' and at
429	Ltd	Balcarres St Edinburgh	gl		Dornoch Skibo Castle conservatory	Skibo Castle	Dornoch Highland	excellent	conservatory assumed to be ir
25797	Ltd	Balcarres St Edinburgh	la		Kimberley Museum lamp pillars	Mining Museum	Kimberley	good	(KCC incorporated in design)
25978	Ltd	Balcarres St Edinburgh	la		Penarth Esplanade lamp pillars 2	The Esplanade	Glamorgan Wales	stable	examples ... note & photo J Bo
26913	Ltd	Edinburgh	la		Kirkcaldy 'Provost' lamp pillars	Wemyssfield (town centre)	Kirkcaldy Fife	good	formerly displayed outside Pro
25864	Ltd	Balcarres St Edinburgh	la		pillars	Vl Bridge	Aberdeen	good	double & single armed lamp pi
25922	Ltd	Balcarres St Edinburgh	la		Lauder 'provost' lamp pillars	Town House	Borders	good	top ... photos J Bolton 02.200
27378	Ltd	Edinburgh Foundry	la		pillars	Slateford Road	Edinburgh	stable	1932 (plaque) ... maker's nam
27207	Ltd ?	Balcarres Street Edinburgh	la		Edinburgh Balcarres Street lamp pillars 3	Balcarres Street	Edinburgh	stable	store, or a left-over from M&M'
27205	Ltd ?	Balcarres Street Edinburgh	la		Edinburgh Balcarres Street lamp pillars 1	Balcarres Street	Edinburgh	stable	left-over from M&M's foundry i
26763	Mackenzie Bros	Edinburgh	bu		North Berwick shop front columns	High Street	Lothian	good	Meg Mailand) ... marked 'Mack
27223	Mackenzie Bros	Gilmore Place Edinburgh	bu		front	Bread Street	Edinburgh	excellent	Cuthberts Co-op Store (now th
28060	Mackenzie Bros	Edinburgh	bu		Edinburgh Church Hill shopfronts	Road	Edinburgh	good	makers name on bases - partie
26929	Mackenzie Bros	Edinburgh	bu		Edinburgh Roseburn shopfronts 1	side)	Edinburgh Roseburn	good	similar to North Berwick qv, wi
									bottom ... photo & note J Bolto

27274	Mackenzie Bros	Edinburgh Foundry	bu		Edinburgh Easter Road shopfronts 2	Easter Road / Rossie Place	Edinburgh	stable	name but similar in style to Ma
26930	Mackenzie Bros	Edinburgh	bu		Edinburgh Roseburn shopfronts 2	side)	Edinburgh Roseburn	good	narrower version on opposite s
27225	Mackenzie Bros	Edinburgh	ga		entrance	Rutland Street	Edinburgh	stable	Street (Caledonian Railway) S
27282	Mackenzie Bros	Edinburgh Foundry	la		Edinburgh Polwarth lamp pillar	Polwarth	Edinburgh	excellent	Mackenzie Bros lamp pillars o
27335	Mackenzie Bros	Edinburgh Foundry	la		Edinburgh Ainslie Place lamp pillars	Ainslie Place	Edinburgh	good	elsewhere ... photos & note J I
26054	Mackenzie Bros	Edinburgh	la		Southport Promenade lamp pillars	Promenade	Southport Lancashire	good	'Mackenzie Bros Ironfounders
28966	Mackenzie Bros	Edinburgh Foundry	la		Oban lamp pillars	North Pier	Oban Argyll & Bute	excellent	redeveloped quayside - old ph
27343	Mackenzie Bros	Edinburgh Foundry	la		Edinburgh Market Street lamp pillars	Market Street etc	Edinburgh	good	note J Bolton 10.2007
26070	Mackenzie Bros	Edinburgh	la		Edinburgh Bristo Square lamp pillars 1	Bristo Square (University)	Edinburgh	excellent	painted black at side of buildin
27331	Mackenzie Bros	Edinburgh Foundry	la		Edinburgh Bristo Square lamp pillars 3	Bristo Square	Edinburgh	good	... maker's name overpainted b
26746	Mackenzie Bros	Edinburgh	la		Haddington Victoria Bridge lamp pillars	Victoria Bridge	Lothian	excellent	08.1993) ... repainted 2009 ...
28071	Mackenzie Bros	Edinburgh Foundry	ot		Edinburgh Royal Observatory hydrant	Blackford Hill	Edinburgh	good	Observatory, assumed to date
26745	Mackenzie Bros ?	Edinburgh	br		Haddington Victoria Bridge parapets etc	Victoria Bridge	Lothian	excellent	parapet lamps are by Macken:
26951	Mackenzie Bros ?	Edinburgh ?	bu		Nairn shopfront columns	Leopold Street	Nairn Highland	good	indistinct TM on base similar t
27206	Mackenzie Bros ?	Balcarres Street Edinburgh	la		Edinburgh Balcarres Street lamp pillars 2	Balcarres Street	Edinburgh	stable	left-over from M&M's foundry i
26730	Mackenzie Brothers	Edinburgh Foundry	ot		Selkirk pavement drain	Station Road	Borders	stable	building dated 1902 .... photos
27960	many	many	ra		Lerwick railings (& gates)	Lerwick Museum	Lerwick Shetland	good	under 'wrought iron' (sic), for a
28477	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Campbeltown gates & railings 01	Kilkerran Road	Bute	good	indecipherable but c.f. Stewart
27172	McCallum & Hope	Glasgow	ga		Glasgow Kelvingrove Park gates	Park	Glasgow	stable	maker's name assumed from p
27990	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Thornhill gates	Corstorphine Road	Galloway	good	discernable on bottom rail of g
28934	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Campbeltown gates & railings 08	Askomil	Bute	good	name on bottom rail of gates ..
26868	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Sanquhar gates 1	Glasgow Road	Galloway	good	Stranraer ... photos & note J B
28938	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Campbeltown gates & railings 12	Big Kiln Street / Dell Road	Bute	excellent	McCallum & Hope Glasgow o
28479	McCallum & Hope	Glasgow	ga		Campbeltown gates & railings 03	Stewart Street / Argyll Street	Bute	good	bottom rail ... photos & note J
28932	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Campbeltown gates & railings 06	High Askomil	Bute	good	probably on bottom rail, but als
28493	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Machrihanish gates 01	village centre	Bute	excellent	railing) as other marked McC &
28494	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Machrihanish gates 02	village centre	Bute	good	also matching railings q.v. ... p
28495	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Machrihanish railings 02	village centre	Bute	excellent	J Bolton 05.2009
28496	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Machrihanish railings 01	village centre	Bute	excellent	gates q.v. ... photos & note J B
26907	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Sanquhar gates 3	Glasgow Road	Galloway	good	recognizably by McC & H ... pl
28497	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Machrihanish roof terminal	village centre	Bute	excellent	gates q.v. ... photos & note J B
28466	McCallum & Hope	Glasgow	ga		Tarbert Pier Road gates & railings 07	Pier Road	Tarbert Argyll & Bute	good	q.v. ... photos 02.1996 & note
28464	McCallum & Hope	Ruchill Ironworks Glasgow	ga		Tarbert Pier Road gates & railings 05	etc	Tarbert Argyll & Bute	good	recognizably by McC & H ... pl
28478	McCallum & Hope	Glasgow	ga		Campbeltown gates & railings 02	Kirk Street	Bute	good	no visible maker's mark but c.f
27173	McCallum & Hope	Glasgow	la		Glasgow Kelvingrove Park gate lamps	Park	Glasgow	poor	part obscured ... photo & note
27703	McCallum & Hope	Ruchill Iron Works Glasgow	ra		Wick railing 12	Coronation Street	Highland	good	unique example of this pattern
26857	McCallum & Hope	Ruchill Ironworks Glasgow	ra		Sanquhar railings 3	Glasgow Road	Galloway	good	recognizably by McC & H ... pl
26847	McCallum & Hope	Ruchill Ironworks Glasgow	ra		Sanquhar railings 1	Glasgow Road	Galloway	good	Stranraer ... photos & note J B
28488	McCallum & Hope	Ruchill Ironworks Glasgow	ra		railing	Askomil	Bute	excellent	maternity home, then flats ... n
27705	McCallum & Hope	Ruchill Iron Works Glasgow	ra	33	Wick railing 14	Coronation Street	Highland	good	assumed from street name ...
28041	McCallum & Hope	Glasgow	ra		Stranraer railings 30	Caernryan Road	Galloway	good	note J Bolton 09.2008
27989	McCallum & Hope	Ruchill Ironworks Glasgow	ra		Thornhill railing	Corstorphine Road	Galloway	good	Hope pattern No 142 recognis
28463	McCallum & Hope ?	Ruchill Ironworks Glasgow	ga		Tarbert Pier Road gates & railings 04	Pier Road	Tarbert Argyll & Bute	good	photos 02.1996 & note J Bolto
28492	McCallum & Hope ?	Ruchill Ironworks Glasgow	ra		Campbeltown Belmount cresting	Belmount Low Askomil	Bute	good	balconies ... photo & note J Bc
28935	McCallum & Hope ?	Ruchill Ironworks Glasgow	ga		Campbeltown gates & railings 09	Craiggowan Road	Bute	excellent	apparent maker's marks ... in s
28936	McCallum & Hope ?	Ruchill Ironworks Glasgow	ga		Campbeltown gates & railings 10	Dalaruan Street	Bute	good	markings but in the style of Mc
28468	McCallum & Hope ?	Ruchill Ironworks Glasgow	ga		Tarbert Pier Road gates & railings 08	Pier Road	Tarbert Argyll & Bute	good	02.1996 & note J Bolton 05.20
28937	McCallum & Hope ?	Ruchill Ironworks Glasgow	ga		Campbeltown gates & railings 11	Dalaruan Street	Bute	excellent	properties ... no clear marking:
28969	McCallum & Hope ?	Ruchill Ironworks Glasgow	ra		Tighnabruaich Ferguslie railing	Ferguslie B8000	Bute	good	marked gates at Campbeltowr
28973	McCallum & Hope ?	Ruchill Ironworks Glasgow	ra		Tighnabruaich A8003 railing	A8003 above village	Bute	good	Campbeltown ... photos & note
28832	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	ba		London Beckenham bandstand	Ground	Beckenham London	good	image of bandstand in this loc:
28624	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	bo		Plockton Inn roof terminals	Plockton Inn	Plockton Highland	good	external railing & gate q.v. ... p
28893	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	ec		Arrochar entrance canopy	A83 east	Arrochar Argyll & Bute	poor	maker's name on bottom rail o
27482	McCallum & Hope Ltd	Glasgow	ga		Dunoon Argyll Street gate 1	Library	Dunoon Argyll & Bute	good	however railing is identical to M
28623	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	ga		Plockton Inn gate	Plockton Inn	Plockton Highland	good	identified ... photos & note J B
									photos & note J Bolton 09.200

27977	McCallum & Hope Ltd	Glasgow	ga		Stornoway Matheson Road (N) gate	Matheson Road	Western Isles	stable	McCallum & Hope example in
27470	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	ga		Blairgowrie gate 1	Perth Road	& Kinross	good	but maker's name will be on b
28723	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	la		Glasgow Saltoun Street lamp pillars 2	Saltoun Street	Glasgow	good	photos & note J Bolton 06.200
28498	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	ra		Paisley railings 1	Hawkhead Road	Paisley Renfrewshire	excellent	1897 ... also similar but differe
28539	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	ra		Fortrose railing & gate 1	Cathedral Square	Fortrose Highland	good	gates ... pattern aso at Stranra
25687	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	ra		Blairgowrie railings 2	Perth Road & Dunkeld Road	& Kinross	stable	also found on Dunkeld Road ..
28416	McCallum & Hope Ltd	Glasgow	ra		Lerwick St Olaf Street railings 12	St Olaf Street	Lerwick Shetland	good	gate ... photos & note J Bolton
28622	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	ra		Plockton Inn railing	Plockton Inn	Plockton Highland	good	of adjacent gate & pillar is a re
27978	McCallum & Hope Ltd	Glasgow	ra		Stornoway Matheson Road (N) railing	Matheson Road	Western Isles	stable	examples in Dunoon ... photos
28727	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	ra	142	Glasgow Victoria Crescent Road railing	Victoria Crescent Road	Glasgow	stable	Dame primary school ... unma
28904	McCallum & Hope Ltd	Ruchill Ironworks Glasgow	ra		Fortrose railing & gate 4	Castle Street	Fortrose Highland	good	example at Carradale q.v. ... p
27481	McCallum & Hope Ltd	Glasgow	ra		Dunoon Argyll Street railing 1	Argyll Street (two locations)	Dunoon Argyll & Bute	good	qv) opposite library, and also r
28599	McCallum & Hope Ltd ?	Ruchill Ironworks Glasgow	ra		Paisley railings 1a	Hawkhead Road	Paisley Renfrewshire	excellent	McC&H No 214 on adjacent w
28508	McCallum & Hope Ltd ?	Ruchill Ironworks Glasgow	ra	214	Glasgow Queen's Park roof railing	Square	Park	good	of example at Paisley q.v. ... ir
28876	McCallum & Hope Ltd ?	Ruchill Ironworks Glasgow	ra		Bute St Colmac grave railing	church yard	Bute	stable	& H as marked examples in C
418	McCallum and Hope	Glasgow	ba		Harrogate Crescent Gardens pavilion	Crescent Gardens	Yorkshire	good	Glasgow.... makers' name on
26031	McCulloch & Co ?	Gallowgate Glasgow ?	la		pillars	West Register Street	Edinburgh	good	square - cross head pattern sir
27422	McDowall Steven & Co	Milton Ironworks Glasgow	ra		Inverbervie railings 4	Castle Terrace	Aberdeenshire	good	gate qv) ... photos & note J Bo
430	McDowall, Steven & Co	Milton Foundry Glasgow	ba		Perth North Inch bandstand (lost)	North Inch	Perth Perth & Kinross	lost	for by Pullars, demolished 195
28961	McDowall, Steven & Co	Milton Ironworks Glasgow	bc		Oban Hotel verandah	Caledonian Hotel	Oban Argyll & Bute	excellent	Station Hotel ... no apparent m
28953	McDowall, Steven & Co	Milton Ironworks Glasgow	fo		Penzance Morrab Gardens fountain	Morrab Gardens	Penzance Cornwall	excellent	fountain ... see also Glasgow (
26850	McDowall, Steven & Co	Milton Foundry Glasgow	ga	921	Castle Douglas Abercromby Road gate 2	Abercromby Road A713	Dumfries & Galloway	good	properties ... railing as McD,S
27426	McDowall, Steven & Co	Milton Ironworks Glasgow	ga		Inverbervie gate 4	Castle Terrace	Aberdeenshire	good	qv) ... photos & note J Bolton (
26124	McDowall, Steven & Co	Milton Foundry Glasgow	la	85	pillars	His Majesty's Theatre	Aberdeen	excellent	recognizable as McD,S No 85
28967	McDowall, Steven & Co	Milton Ironworks Glasgow	la	1	Oban roof railings	adjacent to Caledonian Hotel	Oban Argyll & Bute	excellent	on pillar bases ... McD, S & Cc
26852	McDowall, Steven & Co	Milton Foundry Glasgow	ra	921	2	Abercromby Road A713	Dumfries & Galloway	good	properties ... as Mcd,S No 921
26098	McDowall, Steven & Co	Milton Ironworks Glasgow	sh	4	London Star Yard urinal	Star Yard off Carey Street	London	good	name just discernable indente
25816	Ltd ?	Milton Ironworks Glasgow	fd		fountain	The Botanical Gardens	Australia	excellent	Kay Park, Kilmarnock, q.v. ....
28921	Ltd ?	Milton Ironworks Glasgow	ra		Aviemore balcony railing 2	Grampian Road	Aviemore Highland	good	marked ironwork at Boat of Ga
26622	?	Glasgow ?	bc		Cleethorpes shopfront verandah railing 2	High Cliff Road	Lincolnshire	stable	to be by McD S q.v. ... photos
28963	?	Milton Ironworks Glasgow	bo		Oban Hotel roof terminal/vane	Caledonian Hotel	Oban Argyll & Bute	excellent	Station Hotel)appear to be cas
27055	?	Milton Ironworks Glasgow ?	bo		Kenmore roof terminal	Mains Farm	Kinross	good	McD,S maker's name may be
28962	?	Milton Ironworks Glasgow	bo		Oban Hotel column heads	Caledonian Hotel	Oban Argyll & Bute	excellent	(originally the Station Hotel)ap
27446	?	Milton Ironworks Glasgow	ec		Monifieth entrance canopies	Maule Street ?	Monifieth Angus	excellent	buildings ... very similar to Mcl
28883	?	Milton Ironworks Glasgow	la	47	Aberystwyth bridge lamp pillars	Road A 487	Aberystwyth Wales	good	Aberystwyth' but identical to M
25873	Ltd	Milton Ironworks Glasgow	ba		Darlington North Lodge Park bandstand	North Lodge Park	Darlington Durham	stable	currently started on making the
25952	Ltd	Milton Ironworks Glasgow	ba		London Ilford bandstand	Valentine's Park	London Ilford	not known	be receiving major refurbishme
25706	Ltd	Milton Ironworks Glasgow	ba	Bandstand	Youghal bandstand	promenade?	Youghal Ireland	excellent	McD,S catalogue c1920 ..... F
42	Ltd	Milton Ironworks Glasgow	ba	5	Thailand Bang Pa bandstand	Royal Palace formal gardens	Bang Pa Thailand	good	?source of attribution - may be
25949	Ltd	Milton Ironworks Glasgow	ba	5	Leeds bandstand (s) (lost)	not identified	Leeds West Yorkshire	lost	c1920 which also identifies a M
231	Ltd	Milton Ironworks Glasgow	ba		Shrewsbury The Quarry bandstand	The Quarry	Shropshire	excellent	additional concentric columns
229	Ltd	Milton Ironworks Glasgow	ba		Aberdeen Duthie Park bandstand	Duthie Park	Aberdeen	good	(www.heritageengineering.con
25950	Ltd	Milton Ironworks Glasgow	ba		Buxton bandstand (lost)	Pavilion Gardens ?	Buxton Derbyshire	lost	c1920 ... new 'Victorian' bands
230	Ltd	Milton Ironworks Glasgow	ba	1	Wolverhampton West Park bandstand	West Park	Midlands	excellent	bandstand was extended by a
25951	Ltd	Milton Ironworks Glasgow	ba		Bury bandstand (lost)	Clarence Park ?	Bury Lancashire	poor	McD'S catalogue c1920 ... Cla
25957	Ltd	Milton Ironworks Glasgow	ba		Sunderland Roker Park bandstand	Roker Park	Wear	good	identified in McD'S cat c1920 .
25955	Ltd	Milton Ironworks Glasgow	ba		Manchester bandstand (lost?)	not identified	Manchester	unknown	catalogue c1920 ... note J Bolt
25954	Ltd	Milton Ironworks Glasgow	ba		London bandstand (lost?)	not identified	London (but where?)	lost ?	catalogue c1920 ..note J Bolt
25953	Ltd	Milton Ironworks Glasgow	ba	5	Hastings bandstand (lost)	Promenade	Hastings East Sussex	lost	c1921 .. note J Bolton 02.200
25731	Ltd	Milton Ironworks Glasgow	bc		Hayle balcony & verandah	Meadowside	Hayle Cornwall	good	London) on column bases. ... I
28183	Ltd	Milton Ironworks Glasgow	bc		Grenada Museum balconies 1	Moncton Street	West Indies	good	barracks, a prison, & a hotel ..
26566	Ltd	Milton Ironworks Glasgow	bl		Paisley station stair balustrade	Gilmour Street Station	Paisley Renfrewshire	good	stairs on central island platforr
28898	Ltd	Milton Ironworks Glasgow	bo		Boat of Garten roof terminal	Deshar Road	Highland	excellent	has columns with maker's nan
26697	Ltd	Milton Ironworks Glasgow	bo		panels	Museum Argyle Street	Glasgow	excellent	unmarked but attributed to Mc
25929	Ltd	Milton Ironworks Glasgow	br		Perth Station balustrades 1	Perth Station platforms 1-4	Perth Perth & Kinross	good	overbridges, except identical b
									gallery at the library in Hawksy

25889	Ltd	Milton Ironworks Glasgow	ct		Melrose clock bracket	Ormiston Institute	Borders	excellent	name of bracket manufacturer
226	Ltd	Milton Ironworks Glasgow	ct		London Mitcham clock tower	Fair Green	London	good	refurbished & moved 1994 .. r
28349	Ltd	Milton Ironworks Glasgow	ec		Canisbay entrance canopy	village centre	Highland	good	marked McD,S ones at Hayle
25733	Ltd	Milton Ironworks Glasgow	ec		Newquay Victoria Hotel canopy	Hotel Victoria Cliff Road	Newquay Cornwall	good	Glasgow on column bases (Lt
28356	Ltd	Milton Ironworks Glasgow	ec		Tunbridge Wells canopy (moved)	not identified (now moved)	Tunbridge Wells Kent	good	10.2007 & still in 04.2009 as 'l
28895	Ltd	Milton Ironworks Glasgow	ec		Boat of Garten entrance canopy 1	Deshar Road	Highland	excellent	also has columns with maker's
28896	Ltd	Milton Ironworks Glasgow	ec		Boat of Garten entrance canopy 2	Deshar Road	Highland	excellent	which also has columns with n
171	Ltd	Milton Ironworks Glasgow	ec		Glasgow Rutherglen canopy	Main Street	Glasgow Rutherglen	excellent	Restored in 2003 by Heritage
26045	Ltd	Milton Ironworks Glasgow	ec		Southport 239 Lord Street canopy	Hotel	Southport Lancashire	good	Bolton 05.2005
26043	Ltd	Milton Ironworks Glasgow	ec		Southport 339 Lord Street canopy	Lord Street Ponden Mill	Southport Lancashire	good	Co Glasgow .... note & photo
28897	Ltd	Milton Ironworks Glasgow	ec		Boat of Garten entrance canopy 3	Spey Avenue	Highland	excellent	which also has columns with n
228	Ltd	Milton Ironworks Glasgow	fd		Kilmarnock Kay Park drinking fountain	Kay Park	Ayrshire	poor	Also similar but unmarked exa
25921	Ltd	Milton Ironworks Glasgow	fd		fountain	Mid Links	Montrose Angus	excellent	12 as illustrated in their catalo
512	Ltd	Milton Ironworks Glasgow	fd		(lost)	Duke Street Leith	Edinburgh Leith	lost	LEITH WALK Edinburgh & els
25764	Ltd	Milton Ironworks Glasgow	fo		Biggar High Street fountain (lost)	High Street Corn Exchange	Lanarkshire	lost	Matheson 'Old Biggar' Stenlak
25765	Ltd	Milton Ironworks Glasgow	fo		Hawick ornamental fountain	Wilton Lodge Park	Borders	good	but in working order, in 'award
28793	Ltd	Milton Ironworks Glasgow	fo		Glasgow Cathedral Square fountain	Kelvingrove Park	Glasgow	lost	Exhibition & transferred to Cat
227	Ltd	Milton Ironworks Glasgow	fo		Ayr 'Stevens' fountain	Ayr Esplanade	Ayr South Ayrshire	good	Steven, partner in firm who liv
28092	Ltd	Milton Ironworks Glasgow	ga	2114	Stornoway Goathill Road (I) gate	Goathill Road	Western Isles	good	note J Bolton 06.2008 ... patte
233	Ltd	Milton Ironworks Glasgow	ga		Hebburn gates & railings	West	Hebburn Tyne & Wear	fair	obvious maker's marks .. note
25899	Ltd	Milton Ironworks Glasgow	ga	2097	Halkirk Church gates	Church	Highland	poor	pedestrian gate & pattern no 2
28105	Ltd	Milton Ironworks Glasgow	ga	2107	Stornoway Goathill Road (N) gate	Goathill Road	Western Isles	good	photos & note J Bolton 06.200
28095	Ltd	Milton Ironworks Glasgow	ga	2114	Stornoway Goathill Road (K) gate	Goathill Road	Western Isles	good	note J Bolton 06.2008 ... patte
25856	Ltd	Milton Ironworks Glasgow	gl		Glasgow People's Palace Winter Garden	Palace	Glasgow	excellent	building itself is attributed to W
27345	Ltd	Milton Ironworks Glasgow	la		Edinburgh Leith tall lamp pillars	Shore etc	Edinburgh Leith	excellent	maker's name & Leith coat of
28178	Ltd	Milton Ironworks Glasgow	la		pillars	Independence Square	West Indies	excellent	... which was the English mark
25763	Ltd	Milton Ironworks Glasgow	la		Glasgow City Chambers lamp pillars	Chambers	Glasgow	excellent	Glasgow (not & London!) on o
25705	Ltd	Milton Ironworks Glasgow	la		Monkstown lamp pillars	of Ireland	Monkstown Ireland	good	photo: A Davey 08.2005..... n
359	Ltd	Milton Ironworks Glasgow	la		Montrose Mid-links lamp pillars	Mid Links	Montrose Angus	poor	... no maker's mark but one nc
234	Ltd	Milton Ironworks Glasgow	la		London Camden lamp pillar	Gordon Square Camden	London	fair	gardens owned by London Un
161	Ltd	Milton Ironworks Glasgow	la		Cheltenham Trafalgar Street lamp pillar	Trafalgar Street	Gloucestershire	good	cost of £9.15.0 each. ... made
93	Ltd	Milton Ironworks Glasgow	la		Stirling Smith Gallery lamp pillars	Road	Stirling	fair	iron details missing or broken.
26055	Ltd	Milton Ironworks Glasgow	ot		Southport pier ironwork	Pierhead buildings	Southport Lancashire	good	columns assumed to apply to
28594	Ltd	Milton Ironworks Glasgow	ot		Coatbridge electrical box	Summerlee Heritage Centre	Lanarkshire	good	Ltd Ironfounders Glasgow' or
25808	Ltd	Milton Ironworks Glasgow	ra		Prince Albert railing	Church in main street	Albert	excellent	rail nr gate ... note & photos J
25898	Ltd	Milton Ironworks Glasgow	ra	2097	Halkirk Church railings	Church	Highland	stable	back of railing & maker's name
26655	Ltd	Milton Ironworks Glasgow	ra		Stornoway Goathill Road (K) railings	Drive)	Western Isles	good	Churchill Drive has maker's na
26798	Ltd	Milton Foundry Glasgow	ra	2114	Wick railing 06	Street, West Banks St etc	Highland	good	Thurso Road/Kenneth Street e
27072	Ltd	Milton Ironworks Glasgow	ra	2091	Lauder railings & gate	Market Place	Borders	good	illus in cat c 1908 (gate is iden
27438	Ltd	Falkirk	ra	2113	Fraserburgh railings 7	King Edward Street	Aberdeenshire	good	... one of nine patterns on this
28184	Ltd	Milton Ironworks Glasgow	ra		Grenada Museum balconies 2	Moncton Street	West Indies	good	marked columns qv ... photos
28101	Ltd	Milton Ironworks Glasgow	ra	2107	Stornoway Goathill Road (N) railings	Goathill Road	Western Isles	good	Council Survey 2007 (info I Wi
28094	Ltd	Milton Ironworks Glasgow	ra		Stornoway Goathill Road (I) railing	Goathill Road	Western Isles	good	Churchill Drive has maker's na
28103	Ltd	Milton Ironworks Glasgow	ra	2114	Stornoway Goathill Road (P) railings	Drive	Western Isles	good	photos & note J Bolton 06.200
25967	Ltd	Milton Ironworks Glasgow	sh		Leeds shelter	not identified	Leeds West Yorkshire	not known	catalogue c1920
25966	Ltd	Milton Ironworks Glasgow	sh		Westgate-on-Sea shelter (s)	not identified	Margate Kent	not known	catalogue c1920 .... John Betj
25965	Ltd	Milton Ironworks Glasgow	sh	16	Cromer shelter (lost)	Cromer Pier	Cromer Norfolk	lost	a bandstand on the pier end c
25964	Ltd	Milton Ironworks Glasgow	sh	17	Crewe shelter (lost?)	not identified	Crewe Cheshire	not known	McD,S catalogue c1920 ... cat
25963	Ltd	Milton Ironworks Glasgow	sh		Bournemouth shelter(s) (lost)	Promenade ?	Bournemouth Dorset	lost?	McD,S catalogue c1920 ... not
25961	Ltd	Milton Ironworks Glasgow	sh	17	Conwy shelter (lost)	Promenade ?	Conwy Wales	unknown	McD,S catalogue c1920
25960	Ltd	Milton Ironworks Glasgow	sh		Colwyn Bay shelter (lost?)	Promenade ?	Wales	not known	McD,S catalogue c1920 ... no
25959	Ltd	Milton Ironworks Glasgow	sh		Llanfairfechan promenade shelter	Promenade	Wales	lost	shelter & comment that it (?the
25968	Ltd	Milton Ironworks Glasgow	sh		St Anne's shelters	Promenade	Lancashire	good	St Anne's-on-Sea in McD,S ca
28770	Ltd	Milton Ironworks Glasgow	sh		Southport Hesketh Park shelter	Hesketh Park	Southport Lancashire	good	name on columns ... photos &
									same as on McD S marked co

26811	Ltd ?	Milton Ironworks Glasgow ?	ec		Aberystwyth entrance canopy 1	Llanbadarn Road	Ceredigeon Wales	good	distant view, brackets appear
27599	Ltd ?	Falkirk	ga		Mallaig gate	Annies Brae	Mallaig Highland	good	above lowest ... photos & note
26709	Ltd ?	Milton Ironworks Glasgow ?	la		Peebles former station lamps	Edinburgh Road	Borders	excellent	North British Railway Station (
28104	Ltd ?	Milton Ironworks Glasgow	ra		Stornoway Goathill Road (Q) railings	Road	Western Isles	good	Churchill Drive ... photos & not
27858	Ltd ?	Milton Ironworks Glasgow	ra		Stranraer railings 18	London Road	Galloway	good	same as McD,S example at H
27436	Ltd ?	Falkirk	ra	2097	Fraserburgh railings 5	King Edward Street	Aberdeenshire	good	pattern, but Alloa Iron Co regis
27590	Ltd ?	Falkirk	ra		Mallaig railing 1	Annies Brae	Mallaig Highland	good	imaginable on rail above lowe
28540	Ltd ?	Milton Ironworks Glasgow	ra		Glasgow Clevedon Drive roof railing	Clevedon Drive	Glasgow	excellent	No 851 ... property thought to
27508	McDowall,Steven & Co	Milton Ironworks Glasgow	bc		Rothesay Glenburn Hotel	Stuart Road	Bute	excellent	maker's name overpainted but
27093	McDowall,Steven & Co	Milton Ironworks Glasgow	fo		Perthshire indoor fountain	private property	Perthshire & Kinross	stable	photos & note J Bolton 10.20
27455	McDowall,Steven & Co	Milton Ironworks Glasgow	sh		Ormskirk urinal	Church	Ormskirk Lancashire	excellent	Bolton 02.2008
27621	Ltd	Falkirk	la		Bristol lamp pillars	Clyde Road etc	Bristol	excellent	catalogue ... also in other part
26025	Meiklejon	Dalkeith	la		lamp pillars 1	Square	Edinburgh	excellent	& photos J Bolton 02.2006
28305	Meiklejon	Dalkeith	st		St Andrews gulley grating	Queen's Gardens	St Andrews Fife	good	only other known surviving iter
26941	Messrs MacDonald ?	Dundee ?	br		Dundee Balgay Bridge	Balgay Hill	Dundee	excellent	contractor but ? may have sub
26942	Messrs MacDonald ?	Dundee ?	ra		Dundee Balgay Bridge railings	Balgay Hill	Dundee	excellent	refurbished & re-opened 05.2
26665	Mitchell & Carlaw	Glasgow	bo		terminal	Hope Park Terrace	Edinburgh	good	... info A Davey, photos J Bolt
26249	Mitchell & Carlaw	Alpine Iron Works Glasgow	ga		Dunoon St John's Church gates	St John's Church	Dunoon Argyll & Bute	excellent	road are marked with maker's
26664	Mitchell & Carlaw	Glasgow	ga		Edinburgh Hope Park Terrace gates	Hope Park Terrace	Edinburgh	at risk	damaged, also intact lower thr
26250	Mitchell & Carlaw	Alpine Iron Works Glasgow	ra		Dunoon St John's Church railings	St John's Church	Dunoon Argyll & Bute	excellent	during ww2 ... maker's name i
28718	Mitchell & Carlaw	Alpine Foundry Glasgow	ra		Glasgow Ruthven Street railing	Ruthven Street	Glasgow	good	photos & note J Bolton 06.200
26280	Mitchell & Carlaw	Alpine Iron Works Glasgow	ra		St Fillans A85 railing 1	A85 nr Four Seasons Hotel	Kinross	good	on verticals, same pattern as
26663	Mitchell & Carlaw	Glasgow	ra		Edinburgh Hope Park Terrace railing	Hope Park Terrace	Edinburgh	good	... see also gates. Info A Dave
25991	Mitchell & Carlaw	Glasgow	ra		Glasgow Westbourne Gardens railings 1	Westboune Gardens W	Glasgow	stable	Registration Marks below nam
576	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Glasgow Vinicombe Street railings	Vinicombe Street	Glasgow	excellent	Mitchell & Carlaw (info G Urqu
27516	Mitchell & Carlaw ?	Glasgow	ra		Rothesay Mount Stuart Road railing	Mount Stuart Road	Bute	good	this pattern exists marked M &
27919	Mitchell & Carlaw ?	Alpine Foundry Glasgow	ra		Stornoway Garden Road railing 1	Garden Road	Western Isles	good	marked railing at St Fillans q.v
26141	Montrose Foundry	Montrose	la		pillars	Place	Montrose Angus	stable	on base ... note & photos J Bo
28597	Moses McCulloch & Co	Glasgow	la		Coatbridge lamp pillars 3	Summerlee Heritage Centre	Lanarkshire	excellent	Centre - presumably formerly
28459	Moses McCulloch & Co	Glasgow	la		Ardrishaig lamp pillars	John Smith Gardens	Bute	good	to Crinan Canal ... maker's na
26594	Moses McCulloch & Co	Glasgow	la		Glasgow street lamp pillar 5 (Govan)	formerly at People's Palace	Glasgow	unknown	outside the People's Palace, p
28783	Moses McCulloch & Co	Glasgow	st		Glasgow High Street corner protector	High Street / Duke Street	Glasgow	good	Moses McCulloch & Co of the
26749	Moses M'Culloch & Co	Glasgow	la		North Berwick 'provost' lamp pillar	Quality Street	Lothian	excellent	base, unusual away from the
26839	Musgrave & Co Ltd	Belfast	ot		Falkland House stable fittings	Falkland House stable block	Falkland Fife	good	Ltd Belfast & London ... condit
26708	Musgrave & Co Ltd	Ann Street Belfast	ot		Peebles Kailzie stable fittings	Kailzie Gardens restaurant	Borders	excellent	conversion ... cols marked 'Mu
395	Mushet Iron Co Ltd	Dalkeith Iron Foundry	gl		Dalkeith Fairfield House glasshouse	Fairfield House	Dalkieth Midlothian	good	family, proprietors of Dalkieth
25981	n/a	n/a	gr		(Macfarlane)	The Necropolis	Glasgow	good	successors, erected 1896 - an
486	not applicable	not applicable	fd		drinking fountain	Coleridge Street	West Indies	good	businessman John Montefiore
25924	not identified	not identified	ba		Carnoustie The Links bandstand (lost)	The Links	Carnoustie Angus	lost	No info as to maker's name ...
26011	not identified	not identified	ba		Glasgow Kelvingrove Park canopy	bandstand	Glasgow Kelvingrove	at risk	derelict when photographed J
384	not identified	not identified	ba		Johnstone Houston Square bandstand	Houston Square	Renfrewshire	stable	around .. photo J Bolton 02.1
28946	not identified	not identified	ba		Inverness Queen's Park bandstand (lost)	Avenue	Inverness Highland	lost	housing ... photo c1920 on ww
25830	not identified	not identified	ba		Kilmarnock Kay Park bandstand (lost)	Kay Park	Ayrshire	lost	was on the flat area centre-rig
25875	not identified	not identified	ba		bandstand	Memorial Park	Lanarkshire	stable	May 1925. The band stand ori
28735	not identified	not identified	bc		Edinburgh Great King Street balconies 2	Great King Street	Edinburgh	good	photos & note J Bolton 02.200
28731	not identified	not identified	bc		Edinburgh Chester Street balconies	Chester Street	Edinburgh	good	photos & note J Bolton 02.200
28728	not identified	not identified	bc		Edinburgh Atholl Crescent balconies	Atholl Crescent	Edinburgh	excellent	photos & note J Bolton 02.200
28734	not identified	not identified	bc		Edinburgh Great King Street balconies 1	Great King Street	Edinburgh	good	photos & note J Bolton 02.200
28733	not identified	not identified	bc		Edinburgh Glencairn Crescent balconies	Glencairn Crescent	Edinburgh	good	photos & note J Bolton 02.200
27398	not identified	not identified	bc		Edinburgh Royal Terrace balconettes	Royal Terrace	Edinburgh	excellent	terrace (William Playfair 1824)
27399	not identified	not identified	bc		Edinburgh Regent Terrace balconies	Regent Terrace	Edinburgh	excellent	(William Playfair 1825) ... simil
28736	not identified	not identified	bc		Edinburgh Great King Street balconies 3	Great King Street	Edinburgh	good	photos & note J Bolton 02.200
26231	not identified	not identified	bc		Strathpeffer balcony 2	Strathpeffer Hotel	Strathpeffer Highland	stable	Dingwall q.v. ... note & photo J
26232	not identified	not identified	bc		Strathpeffer balcony 3	road to Dingwall	Strathpeffer Highland	stable	timber ... note & photo J Bolto
									Iron Co, Edinburgh ?? ... phot

27400	not identified	not identified	bc		Edinburgh Windsor Street balconies	Street	Edinburgh	excellent	both sides of street (William Pl
27386	not identified	not identified	bc		Edinburgh Dick Place balconies 1	Dick Place The Grange	Edinburgh	good	Bolton 01.2008
28679	not identified	not identified	bc		Glasgow Kirklee Terrace balconies	Kirklee Terrace	Glasgow	good	photos & note J Bolton 06.200
28678	not identified	not identified	bc		balconies	Kingsborough Gardens	Glasgow	good	photos & note J Bolton 06.200
28675	not identified	not identified	bc		Glasgow Kew Terrace balconies	Road	Glasgow	good	photos & note J Bolton 06.200
27389	not identified	not identified	bc		Edinburgh Findhorn Place balconies 2	Findhorn Place The Grange	Edinburgh	good	J Bolton 01.2008
27696	not identified	not identified	bc		Wick balcony 1	Street	Highland	stable	ironwork by Macfarlane & raili
28753	not identified	not identified	bc		Edinburgh Palmerston Place balconies 3	Palmerston Place	Edinburgh	good	photos & note J Bolton 02.200
26955	not identified	not identified	bc		Grantown-on-Spey balcony	High Street	Highland	good	.... photos & note J Bolton 09.
28754	not identified	not identified	bc		Edinburgh Palmerston Place balconies 2	Palmerston Place	Edinburgh	good	photos & note J Bolton 02.200
28752	not identified	not identified	bc		Edinburgh Palmerston Place balconies 4	Palmerston Place	Edinburgh	good	photos & note J Bolton 02.200
28755	not identified	not identified	bc		Edinburgh Palmerston Place balconies 1	Palmerston Place	Edinburgh	good	photos & note J Bolton 02.200
28756	not identified	not identified	bc		Edinburgh Rothesay Terrace balconies	Rothesay Terrace	Edinburgh	good	photos & note J Bolton 02.200
28751	not identified	not identified	bc		Edinburgh Moray Place balconies 4	Moray Place	Edinburgh	good	photos & note J Bolton 02.200
28750	not identified	not identified	bc		Edinburgh Moray Place balconies 3	Moray Place	Edinburgh	good	photos & note J Bolton 02.200
28757	not identified	not identified	bc		Edinburgh Royal Circus balconies	Royal Circus	Edinburgh	good	photos & note J Bolton 02.200
28759	not identified	not identified	bc		Edinburgh Torphichen Street balconies 1	Torphichen Street	Edinburgh	good	photos & note J Bolton 02.200
28760	not identified	not identified	bc		Edinburgh Torphichen Street balconies 2	Torphichen Street	Edinburgh	good	photos & note J Bolton 02.200
27405	not identified	not identified	bc		Edinburgh Salisbury Road balconettes 3	Salisbury Road	Edinburgh	excellent	Royal & Carlton Terraces qv ..
28739	not identified	not identified	bc		Edinburgh Heriot Row balconies 2	Heriot Row	Edinburgh	good	photos & note J Bolton 02.200
28043	not identified	not identified	bc		Stranraer balcony	George Street	Galloway	at risk	stressed by attached ariel ... p
27397	not identified	not identified	bc		Edinburgh Carlton Terrace balconettes	Carlton Terrace	Edinburgh	excellent	Playfair 1821 ... same pattern
28748	not identified	not identified	bc		Edinburgh Moray Place balconies 1	Moray Place	Edinburgh	good	photos & note J Bolton 02.200
28746	not identified	not identified	bc		Edinburgh Melville Drive balconies	Melville Drive	Edinburgh	good	photos & note J Bolton 02.200
28744	not identified	not identified	bc		Edinburgh Manor Road balconies 3	Manor Road	Edinburgh	good	photos & note J Bolton 02.200
27393	not identified	not identified	bc		Edinburgh Grange Road balconies	The Grange	Edinburgh	excellent	Bolton 01.2008
28743	not identified	not identified	bc		Edinburgh Manor Road balconies 2	Manor Road	Edinburgh	good	photos & note J Bolton 02.200
28742	not identified	not identified	bc		Edinburgh Manor Road balconies 1	Manor Road	Edinburgh	good	photos & note J Bolton 02.200
28741	not identified	not identified	bc		Edinburgh Heriot Row balconies 4	Heriot Row	Edinburgh	good	photos & note J Bolton 02.200
27056	not identified	not identified	bc		Taymouth Castle balcony & stair	Taymouth Castle	Kinross	at risk	unprotected stairway & balcon
28740	not identified	not identified	bc		Edinburgh Heriot Row balconies 3	Heriot Row	Edinburgh	good	photos & note J Bolton 02.200
28749	not identified	not identified	bc		Edinburgh Moray Place balconies 2	Moray Place	Edinburgh	good	photos & note J Bolton 02.200
28738	not identified	not identified	bc		Edinburgh Heriot Row balconies 1	Heriot Row	Edinburgh	good	photos & note J Bolton 02.200
28737	not identified	not identified	bc		Edinburgh Great King Street balconies 4	Great King Street	Edinburgh	good	photos & note J Bolton 02.200
27390	not identified	not identified	bc		Edinburgh Findhorn Place balconies 3	Findhorn Place The Grange	Edinburgh	good	J Bolton 01.2008
26576	not identified	not identified	bc		Edinburgh Barnton balcony railing	building)	Edinburgh	stable	redevelopment of former hotel
25940	not identified	not identified	bc		Perth balcony railing 1	48 Tay Street	Perth Perth & Kinross	excellent	Bolton 02.2006
26846	not identified	not identified	bc		Dumfries verandah	A 711 Dalbeattie Road ?	Galloway	good	good order, ironwork at side n
25944	not identified	not identified	bc		Birnam balcony railing 1	Birnam House Hotel	Perthshire & Kinross	stable	J Bolton 02.2006
28534	not identified	not identified	bc		Dollar balcony	McNabb Street	Clackmannanshire	good	marks ... photo & note J Bolto
27403	not identified	not identified	bc		Edinburgh Salisbury Road balconettes 1	Salisbury Road	Edinburgh	excellent	Moray Place ... photos & note
28360	not identified	not identified	bc		2	West Nicolson Street	Edinburgh	good	Clerk St qv ... photos & note J
28359	not identified	not identified	bc		1	West Nicolson Street	Edinburgh	good	Clerk St ... photos & note J Bo
26188	not identified	not identified	bc		Dingwall National Hotel verandah	Street	Dingwall Highland	stable	reasonable but somewhat corr
27404	not identified	not identified	bc		Edinburgh Salisbury Road balconettes 2	Salisbury Road	Edinburgh	excellent	Bolton 01.2008
28335	not identified	not identified	bc		Aberdeen Old Town balcony	The Chanonry	Aberdeen	stable	& note J Bolton 02.2009
27312	not identified	not identified	bc		Edinburgh Newington balconettes	Minto Street	Edinburgh	good	pattern common in New Town
26274	not identified	not identified	bc		Stirling Park Place balcony railing	Park Place	Stirling	excellent	one of the major manufacturer
26751	not identified	not identified	bc		Haddington High Street balconettes	High Street	Lothian	stable	perhaps the last survivors of a
25943	not identified	not identified	bc		Perth balcony railing 4	Atholl Street North side	Perth Perth & Kinross	stable	& photos J Bolton 02.2006
26034	not identified	not identified	bc		Edinburgh York Place balcony	York Place	Edinburgh	excellent	Bolton 02.2006
26217	not identified	not identified	bc		Inverness Queensgate balcony 2	Street	Inverness Highland	stable	empty above ground floor ... p
26144	not identified	not identified	bc		Montrose Panmure Street balconies	Panmure Street	Montrose Angus	good	museum ...note & photos J Bo
27290	not identified	not identified	bc		Dunblane hotel balcony	Stirling Hotel Perth Road	Dunblane Stirlingshire	stable	Bolton 01.2008
									entry for railing above ... photo

26200	not identified	not identified	bc		Fortrose balcony railing 1	A832 Canonbury Terrace	Fortrose Highland	excellent	... see also adjacent house q.v
26201	not identified	not identified	bc		Fortrose balcony railing 2	A832 Canonbury Terrace	Fortrose Highland	excellent	by Macfarlane ... see also adja
27270	not identified	not identified	bc		Edinburgh Church Hill balconettes	Church Hill	edinburgh	good	see also similar at Dalkeith ...
28192	not identified	not identified	bc		Grenada St George's balconies	Granby Street / Young Street	West Indies	stable	building facing Market Square
26213	not identified	not identified	bc		Inverness Leys Drive balcony	Leys Drive	Inverness Highland	good	(also decorative rainware q.v.)
26773	not identified	not identified	bc		Edinburgh Portobello balcony 1	Promenade Seaview	Edinburgh Portobello	stable	Carron Foundry ... photos & n
27169	not identified	not identified	bc		Glasgow Woodside balcony	Woodside Crescent	Glasgow	good	ended ... photos & note J Bolt
26215	not identified	not identified	bc		Inverness Lovat Road balcony 2	Lovat Road	Inverness Highland	good	maker not identified ... note &
27367	not identified	not identified	bc		Edinburgh Nicolson Square balcony	Nicolson Square	Edinburgh	good	in New Town ... photos & note
27361	not identified	not identified	bc		1	Saxe-Coburg Place	Edinburgh	good	that of Place construction to o
27402	not identified	not identified	bc		Edinburgh London Road balconettes	Brunton Place London Road	Edinburgh	excellent	01.2008
28575	not identified	not identified	bc		Castle Douglas Queen Street balcony	Queen Street	Dumfries & Galloway	good	photo & note J Bolton 07.2009
27365	not identified	not identified	bc		5	Saxe-Coburg Place	Edinburgh	good	that of Place construction to o
25945	not identified	not identified	bc		Birnam balcony railing 2	Perth Road	Perthshire & Kinross	good	& photos J Bolton 02.2006
27075	not identified	not identified	bc		Dalkeith balconette 2	Eskbank Road	Dalkeith Midlothian	good	design probably originally by A
27560	not identified	not identified	bc		Galashiels High Street balconettes	High Street	Borders	stable	photos & note J Bolton 05.200
27379	not identified	not identified	bc		Edinburgh Tynecastle verandah brackets	McLeod Street	Edinburgh	good	photos & note J Bolton 02.200
27364	not identified	not identified	bc		4	Saxe-Coburg Place	Edinburgh	good	that of Place construction to o
27401	not identified	not identified	bc		Edinburgh London Road balconies	Road	Edinburgh	excellent	crescent (William Playfair c18
27363	not identified	not identified	bc		3	Saxe-Coburg Place	Edinburgh	good	that of Place construction to o
27362	not identified	not identified	bc		2	Saxe-Coburg Place	Edinburgh	good	that of Place construction to o
26483	not identified	not identified	bc		Leeds Beckett's Bank balcony railings	28-30 Park Row	Leeds West Yorkshire	good	on former bank building (now I
26304	not identified	not identified	bc		Newtonmore A86 balcony railing 2	A86 south end of village	Newtonmore Highland	good	photos J Bolton 08.2006
27411	not identified	not identified	bc		Edinburgh Clerk Street balconettes 3	Clerk Street	Edinburgh	good	balconettes on Clerk St & adja
27410	not identified	not identified	bc		Edinburgh Clerk Street balconettes 2	Clerk Street	Edinburgh	good	balconettes on Clerk St & adja
26281	not identified	not identified	bc		Newtonmore A86 balcony railing 1	A86 south end of village	Newtonmore Highland	excellent	refurbished ?former hotel build
26623	not identified	not identified	bc		Cleethorpes shopfront verandah railing 3	High Cliff Road	Lincolnshire	stable	suggests they may not be orig
25837	not identified	not identified	bc		Dumfries High Street balcony railing	High Street	Galloway	stable	occupied by Ottakars booksho
27192	not identified	not identified	bc		St Andrews balconies	South Street	St Andrews Fife	good	Three balconettes ... photos &
27409	not identified	not identified	bc		Edinburgh Clerk Street balconettes 1	Clerk Street	Edinburgh	good	balconettes on Clerk St & adja
27412	not identified	not identified	bc		Edinburgh Clerk Street balconettes 4	Clerk Street	Edinburgh	stable	balconettes on Clerk St & adja
27522	not identified	not identified	bl		balusters 2	Western Road	Glasgow	good	photos & note J Bolton 04.200
27407	not identified	not identified	bl		Edinburgh Salisbury Road balustrade	Salisbury Road	Edinburgh	excellent	01.2008
28297	not identified	not identified	bl		St Andrews stair balustrade	Place	St Andrews Fife	good	... photos & note J Bolton 03.2
27523	not identified	not identified	bl		balusters 3	Western Road	Glasgow	good	photos & note J Bolton 04.200
27521	not identified	not identified	bl		balusters 1	Western Road	Glasgow	good	photos & note J Bolton 04.200
28089	not identified	not identified	bl		Stornoway Goathill Road (F) balustrade	Goathill Road	Western Isles	good	pattern not included in Council
25855	not identified	not identified	bl		Glasgow People's Palace balustrade 2	Green	Glasgow	excellent	Balustrade to stairways .... pho
27046	not identified	not identified	bo		Anstruther roof terminal 2	High Street East	Anstruther Fife	stable	... photos & note J Bolton 10.2
27047	not identified	not identified	bo		Anstruther roof terminal 3	High Street East	Anstruther Fife	stable	... photos & note J Bolton 10.2
27051	not identified	not identified	bo		Dunkeld cresting	Atholl Street	Kinross	good	shop ... same pattern is at Inve
27045	not identified	not identified	bo		Anstruther roof terminal 1	High Street East	Anstruther Fife	stable	... photos & note J Bolton 10.2
27507	not identified	not identified	bo		Rothesay Crichton Road terminal 3	Crichton Road	Bute	excellent	single roof terminal ... photos &
27545	not identified	not identified	bo		Selkirk Ettrick Terrace rainware	House	Borders	good	note J Bolton 11.2005
27277	not identified	not identified	bo		Edinburgh Marchmont roof terminals 1	Place	Edinburgh	excellent	single roof terminal ... photos &
27278	not identified	not identified	bo		Edinburgh Marchmont roof terminals 2	Greenhill Place	Edinburgh	excellent	prestigious terrace ... photos &
27279	not identified	not identified	bo		Edinburgh Marchmont roof terminals 3	Greenhill Place	Edinburgh	excellent	terminal set qv... photos & not
27304	not identified	not identified	bo		Dunblane Library rainware	High Street	Dunblane Stirlingshire	excellent	note J Bolton 01.2008
27552	not identified	not identified	bo		Galashiels High Street roof terminals	High Street	Borders	good	unidentified maker ... also balc
27122	not identified	not identified	bo		Edinburgh Sheriff Court roof cresting	Street	Edinburgh	excellent	... perhaps renewed during co
27307	not identified	not identified	bo		Edinburgh Polwarth rainware 1	Polwarth Terrace	Edinburgh	excellent	green qv ... photos & note J B
27078	not identified	not identified	bo		Dalkeith roof terminal 1	Eskbank Road	Dalkeith Midlothian	good	Bolton 11.2007
27094	not identified	not identified	bo		Dunalastair roof terminals	Dunalastair House	& Kinross	at risk	of a once superb building - all
27578	not identified	not identified	bo		Lairg roof terminal	Main Street A839	Highland	good	adjacent to railing 1 q.v. ... per
									Margaret University College in

27228	not identified	not identified	bo		Edinburgh Morningside rainware	Cluny Gardens Morningside	Edinburgh	good	villas ... photo & note J Bolton
27495	not identified	not identified	bo		Greenock roof terminal 2	Eldon Street	Greenock Inverclyde	good	Bolton 04.2008
27663	not identified	not identified	bo		Stranraer Lochinch Castle roof terminal	Kennedy	Galloway	good	photos & note J Bolton 07.200
27368	not identified	not identified	bo		Edinburgh Causewayside roof terminal	Road	Edinburgh	excellent	& note J Bolton 01.2008
27697	not identified	not identified	bo		Wick rainware 1	Sinclair Terrace	Highland	excellent	photos & note J Bolton 06.200
27061	not identified	not identified	bo		Aberfeldy Cluny House roof finial	Cluny Gardens	Perthshire & Kinross	good	gardens ! ... photos & note J B
27103	not identified	not identified	bo		St Andrews roof terminal 1	The Scores	St Andrews Fife	good	photos & note J Bolton 12.200
27887	not identified	not identified	bo		Kelso roof terminal 2	Edenside Road	Kelso Scottish Borders	good	Bolton 05.2008
26187	not identified	not identified	bo		Dingwall roof cresting	Station Road	Dingwall Highland	excellent	photos J Bolton 08.2006
28773	not identified	not identified	bo		Falkirk Callendar House roof terminals	Callendar Park	Falkirk	excellent	possibly modern replacements
28775	not identified	not identified	bo		Falkirk Callendar House rainware	Callendar Park	Falkirk	excellent	although downpipes appear to
26689	not identified	not identified	bo		Aberfeldy Taybridge Terrace rainware	Taybridge Terrace	Kinross	good	& note J Bolton 04.2007
26205	not identified	not identified	bo		Muir-of Ord roof terminals	Station View	Muir-of-Ord Highland	good	(station building itself has beer
26198	not identified	not identified	bo		Dingwall rainware 2	High Street	Dingwall Highland	stable	gutter) above shops ... note &
27906	not identified	not identified	bo		Kelso roof terminal 3	Court	Kelso Scottish Borders	good	Macfarlane rainware q.v. ... ph
26724	not identified	not identified	bo		rainware	Road A707	Borders	good	entrance ... photos & note J B
26737	not identified	not identified	bo		Innerleithen rainware	High Street	Borders	good	photos & note J Bolton 05.200
26738	not identified	not identified	bo		Innerleithen shop sign bracket	High Street	Borders	good	Bolton 05.2007
26278	not identified	not identified	bo		Comrie roof terminals	Drummond Street	Kinross	stable	rainware q.v.) .. note & photos
28215	not identified	not identified	bo		Peebles roof terminal 2	Old Town / Young Street	Borders	good	Veitch's building in High Stree
27932	not identified	not identified	bo		Stornoway Kenneth Street rain ware	Kenneth Street	Western Isles	stable	06.2008
26764	not identified	not identified	bo		North Berwick rainware 1	Westgate	Lothian	good	brackets, see also balcony on
28216	not identified	not identified	bo		Peebles Veitch's roof terminal 1	Northgate	Borders	good	photos & note J Bolton 01.200
26766	not identified	not identified	bo		North Berwick railing 2 (lost)	Victoria Street	Lothian	lost	photos & note J Bolton 06.20(
26767	not identified	not identified	bo		North Berwick railing 1	Westend Place	Lothian	good	Macfarlane & Co & others .... p
26774	not identified	not identified	bo		Edinburgh Leith railing 1	Claremont Park	Edinburgh Leith	good	photos & note J Bolton 06.20(
27408	not identified	not identified	bo		Edinburgh Salisbury Road finials	Salisbury Road	Edinburgh	stable	photos & note J Bolton 01.200
28218	not identified	not identified	bo		Peebles roof terminal 3	Venlaw Road ?	Borders	good	01.2009
27878	not identified	not identified	bo		Hawick rain water heads 3	High Street	Borders	good	06.2008
27877	not identified	not identified	bo		Hawick rain water heads 2	High Street	Borders	good	single, dated rwh ... photos & r
27876	not identified	not identified	bo		Hawick rain water heads 1	Wilton House	Borders	good	note J Bolton 06.2008
27894	not identified	not identified	bo		Kelso rain water head 3	Wood Market	Kelso Scottish Borders	excellent	(also lamp pillars qv) ... photos
26236	not identified	not identified	bo		Beauly roof terminals	Estate Office Station Road	Beauly Highland	stable	same building dated 1866 ... n
28054	not identified	not identified	bo		Newtongrange Mining Museum windows	Scottish Mining Museum	Midlothian	excellent	buildings, now the Scottish Mi
28072	not identified	not identified	bo		1	Vogrie House	Gorebridge Midlothian	excellent	Andrew Heiton of Perth ... pho
28073	not identified	not identified	bo		2	Vogrie House	Gorebridge Midlothian	excellent	Andrew Heiton of Perth ... pho
28050	not identified	not identified	bo		Stranraer roof terminal 3	The Arches Hanover Street	Galloway	good	date on building ... photos & n
28049	not identified	not identified	bo		Stranraer roof terminal 2	Bridge Street	Galloway	good	occupied by Thomas Cook ...
28074	not identified	not identified	bo		3	Vogrie House	Gorebridge Midlothian	excellent	Andrew Heiton of Perth ... pho
28075	not identified	not identified	bo		4	Vogrie House	Gorebridge Midlothian	good	Andrew Heiton of Perth ... for '
28076	not identified	not identified	bo		5	Vogrie House	Gorebridge Midlothian	good	Andrew Heiton of Perth ... pho
28077	not identified	not identified	bo		6	Vogrie House	Gorebridge Midlothian	good	Andrew Heiton of Perth ... pho
28078	not identified	not identified	bo		7	Vogrie House	Gorebridge Midlothian	good	Andrew Heiton of Perth ... pho
26277	not identified	not identified	bo		Comrie rainware	Drummond Street	Kinross	stable	also finial q.v.) ... note & photo
28100	not identified	not identified	bo		terminal	Goathill Road	Western Isles	excellent	ironwork) ... photos & note J B
27879	not identified	not identified	bo		Hawick rain water heads 4	High Street	Borders	poor	pair of rwhs ... photos & note J
26234	not identified	not identified	bo		Beauly crest railing	Post Office Station Road	Beauly Highland	good	Queensgate/Academy Street I
26226	not identified	not identified	bo		Inverness rainware 2	Street	Inverness Highland	good	bracket q.v.) ... note & photo ,
28762	not identified	not identified	bo		Prestonpans roof terminal 1	Preston Road	Lothian	good	advertised by a number of mal
27998	not identified	not identified	bo		St John's Town of Dalry fountain finial	Main Street	Dumfries & Galloway	good	Bolton 09.2008
27414	not identified	not identified	bo		Barbados Bridgetown Library rainware	Coleridge Street	West Indies	stable	railings ... photos & note J Boll
28763	not identified	not identified	bo		Prestonpans roof terminal 2	Preston Road	Lothian	good	... photos & note J Bolton 11.2
26580	not identified	not identified	bo		Falkirk pub-sign bracket	Tavern	Falkirk	excellent	insensitively placed lights ... pl
27965	not identified	not identified	bo		terminals	Matheson Road	Western Isles	good	c1882, despite other Macf iten
									photos & note J Bolton 09.20(

25895	not identified	not identified	bo		terminals	Kingsknowes Hotel	Borders	good	... hotel also has impressive c
28333	not identified	not identified	bo		Dundee Commercial St roof terminals 2	Commercial Street	Dundee	good	Bolton 03.2009
26919	not identified	not identified	bo		Cupar Hill of Tarvit House rainware	Hill of Tarvit House NTS	Cupar Fife	good	photo & note J Bolton 08.200
26836	not identified	not identified	bo		Falkland rainware 1	Back Wynd	Falkland Fife	good	note J Bolton 07.2007
28447	not identified	not identified	bo		terminal	Anderson High School	Lerwick Shetland	good	photo & note J Bolton 02.2009
28619	not identified	not identified	bo		Invergloy roof cresting	Invergloy A 82	Bridge Highland	stable	Bolton 06.2009
26965	not identified	not identified	bo		Forres roof terminals	High Street	Forres Moray	excellent	unicorn on main gables ... unu
28906	not identified	not identified	bo		Fortrose roof terminal	Street	Fortrose Highland	good	06.2010
27793	not identified	not identified	bo		Dalkeith roof terminal 2	Park Road	Dalkeith Midlothian	good	Catholic Church (built 1854) ...
28977	not identified	not identified	bo		Tarbert Pier Road Columba Hotel 2	Columba Hotel Pier Road	Tarbert Argyll & Bute	good	q.v. ... photos & note J Bolton
27758	not identified	not identified	bo		Tain hotel roof terminal	Royal Hotel High Street	Highland	stable	06.2008
28217	not identified	not identified	bo		Peebles Veitch's roof terminal 2	High Street / Northgate	Borders	good	photos & note J Bolton 01.200
26940	not identified	not identified	bo		Lauder Thirlstane Castle ornamentation	Thirlestane Castle	Borders	excellent	modelled on internal plasterwc
28584	not identified	not identified	bo		Kirkcudbright Museum roof terminal	Mary Street	& Galloway	stable	Museum building of 1893.... pl
28585	not identified	not identified	bo		Kirkcudbright Museum rainware	Mary Street	& Galloway	stable	Museum building of 1893 ... pl
28964	not identified	not identified	bo		Oban roof terminal	Villa Road (from The Pulpit)	Oban Argyll & Bute	excellent	unidentified roof terminal ... ph
27750	not identified	not identified	bo		Stromness rain water head	RBS	Stromness Orkney	good	07.1993, note 08.2008
28310	not identified	not identified	bo		Ladybank station rain water head	Ladybank Station	Ladybank Fife	good	02.2009
26787	not identified	not identified	bo		Fort William terminal 2	'Cruachan' Achintore Road	Fort William Highland	good	unfamiliar pattern ... photos &
28509	not identified	not identified	bo		Glasgow Coopers roof terminal	Street	Glasgow	stable	balcony railings q.v. ... photos
28840	not identified	not identified	bo		ventilators	Orkney Street	Glasgow Govan	excellent	former Burgh Hall & Police Sta
28471	not identified	not identified	bo		Tarbert Pier Road Columba Hotel 1	Columba Hotel Pier Road	Tarbert Argyll & Bute	stable	generally as Macfarlane & Co
28307	not identified	not identified	bo		Pencaitland roof terminal	Street	Lothian	stable	Hall (building & railings are 'Lis
27730	not identified	not identified	bo		Wick Sheriff Court roof terninal	Bridge Street	Highland	good	photos & note J Bolton 06.200
28620	not identified	not identified	bo		North Berwick roof railing	School Road	Lothian	good	photos & note J Bolton 06.200
26014	not identified	not identified	bo		roof terminal	bandstand	Glasgow	at risk	suggests perhaps a Sun Foun
27732	not identified	not identified	bo		Wick roof railing 1	Thurso Road	Highland	good	Iron Co railings ... photo & not
28332	not identified	not identified	bo		Dundee Commercial St roof terminals 1	Commercial Street	Dundee	good	... photos & note J Bolton 03.2
28306	not identified	not identified	bo		Pencaitland roof cresting	A6093 Main Street	Lothian	stable	- now Castlesound recording s
25850	not identified	not identified	br		Kilsyth railing 2	Burngreen	Lanarkshire	stable	bandstand ... note & photo J E
27729	not identified	not identified	br		Wick hotel access bridge parapets	Street	Highland	poor	date is marked on gutter abov
26310	not identified	not identified	br		balustrade	Mowbray Gardens	Wear	excellent	disused branch railway ... no n
25849	not identified	not identified	br		Kilsyth railing 1	Burngreen Peace Park	Lanarkshire	good	parapet railings across large b
28680	not identified	not identified	br		Glasgow Kirklee Bridge parapet	Kirklee Road	Glasgow	good	photos & note J Bolton 06.200
25861	not identified	not identified	br		etc	Dalmarnock Bridge	Glasgow	excellent	renewed in 2003, and the spar
25762	not identified	not identified	br		Glasgow Botanic Garden footbridge	Botanic Gardens	Glasgow	stable	photo DM 06.2005
27728	not identified	not identified	br		Wick bridge plaque	Bridge of Wick	Highland	good	incomplete bridge in 1876 ... p
28520	not identified	not identified	br		Glasgow Great Western Bridge	Great Western Road	Glasgow	good	1890-91, designed by Miller &
28521	not identified	not identified	br		Glasgow Kelvin Drive canopy railing	Drive	Glasgow	good	note J Bolton 05.2008
26022	not identified	not identified	br		Glasgow Union Bridge parapet	Union Railway Bridge GSWR	Glasgow	not known	GSWR access to St Enoch's S
28858	not identified	not identified	br		Kingsbarns Cambo House foot bridges 2	Cambo House	Kingsbarns Fife	good	have 'original' balustrades ... u
26021	not identified	not identified	br		Glasgow Albert Bridge parapet	Albert Bridge	Glasgow	good	Photos J Bolton 10.1992
28857	not identified	not identified	br		Kingsbarns Cambo House foot bridges 1	Cambo House	Kingsbarns Fife	good	have 'original' balustrades ... u
26720	not identified	not identified	br		Selkirk mill lade bridge	Station Road	Borders	stable	lade ... photo & note J Bolton (
26740	not identified	not identified	br		Heriot bridge parapets	minor road west of A7	Borders	good	side - bridge was reconstructe
27376	not identified	not identified	br		Edinburgh Tynecastle railway bridge 1	Gorgie Road	Edinburgh	stable	Branch (into North British Rail
27079	not identified	not identified	br		Dalkeith bridge parapet	Eskbank Road	Dalkeith Midlothian	good	Dalkeith Station (line closed 19
27377	not identified	not identified	br		Edinburgh Tynecastle railway bridge 2	Murieston Crescent Lane	Edinburgh	stable	(into North British Railway terr
26140	not identified	not identified	br		Aberdeen Duthie Park bridge parapet	Duthie Park bridge at lake	Aberdeen	not known	photo J Bolton 07.1993
27058	not identified	not identified	br		Taymouth Castle 'Chinese' bridge	Taymouth Castle estate	Kinross	stable	structure - thought to date fron
27909	not identified	not identified	br		Kilsyth railing 3	A 803 Stirling Road	Kilsyth	good	but not the same as those at E
26480	not identified	not identified	bu		Halifax Princess Street shopfront	Princess Street	Halifax West Yorkshire	good	connection! ... note & photo J
27370	not identified	not identified	bu		Edinburgh Abbeyhill building front	Brand Place Abbeyhill	Edinburgh	good	& note J Bolton 02.2008
28241	not identified	not identified	bu		Ardler station ironwork (lost)	Angus	Kinross	lost	c.f. ex Monifieth canopy now a
									former town hall, now museum

28370	not identified	not identified	bu		Southport Lord Street breast panels 2	Walk	Southport Lancashire	good	even cast iron!) ... photos & nc
27548	not identified	not identified	bu		Melrose station columns	former railway station	Borders	stable	canopy, date assumed to be a
26146	not identified	not identified	bu		Montrose Museum windows	Street	Montrose Angus	stable	replacements? .... note & phc
27250	not identified	not identified	bu		Edinburgh NMS building	Scotland Chambers Street	Edinburgh	excellent	arches are timber) - building d
26275	not identified	not identified	bu		Comrie Drummond Street shopfront	Drummond Street	Kinross	good	photos J Bolton 08.2006
28354	not identified	not identified	bu		Guisachan House ironwork (lost)	Guisachan House (ruin)	Highland	lost	and left to decay ... extensive i
28369	not identified	not identified	bu		Southport Lord Street breast panels 1	Mecca Bingo Lord Street	Southport Lancashire	good	(perhaps by Macfarlane or Lio
28334	not identified	not identified	bu		Dundee Commercial St shopfronts 2	Commercial Street	Dundee	good	Bolton 03.2009
26964	not identified	not identified	bu		Forres shopfront columns	High Street	Forres Moray	excellent	structural columns supporting
26806	not identified	not identified	bu		Wick Pilot Station	Harbour	Highland	good	by local Pulteney Foundry ... p
26805	not identified	not identified	bu		Wick Fishsalesmen's shelter	Harbour	Highland	good	Foundry ... building restored b
28854	not identified	not identified	bu		Edinburgh Leith Corn Exchange	Constitution Street Leith	Edinburgh	excellent	former Corn Exchange built 18
26843	not identified	not identified	bu		Edinburgh Portobello shopfront	Portobello High Street	Edinburgh Portobello	good	Bolton 07.2007
27153	not identified	not identified	bu		Windermere ornamental column	Crescent Road ?	Windermere Cumbria	good	column !! ... photos & note J B
27099	not identified	not identified	bu		Pitlochry roof finial 2	Atholl Street (north side)	Kinross	stable	unidentified pattern ... photos a
83	not identified	not identified	bu		Stirling Park Terrace dormer window	Park Terrace	Stirling	good	resembles Saracen Design - b
27942	not identified	not identified	bu		Wemyss Bay station ironwork	Railway Station	Wemyss Bay	good	significant deterioration ... unn
26567	not identified	not identified	bu		Paisley Burton's shopfront	High Street	Paisley Renfrewshire	good	Foundry or ? Macfarlane's ... p
26938	not identified	not identified	bu		Newport-on-Tay shop fronts	Cupar Road	Newport-on-Tay Fife	good	... photos & note J Bolton 08.2
26914	not identified	not identified	bu		Kirkcaldy shopfront 1	Dunikier Road	Kirkcaldy Fife	good	spandrils in iron with ornate ca
27875	not identified	not identified	bu		Melrose shop bracket	station approach	Borders	good	Bolton 06.2008
27208	not identified	not identified	bu		Edinburgh Balcarres Street beams	Balcarres Street	Edinburgh	stable	common on Edinburgh teneme
27110	not identified	not identified	bu		Edinburgh London Road shopfronts	London Road	Edinburgh	good	building dated 1893 ... photos
27727	not identified	not identified	bu		Wick shopfront 4	Bridge Street	Highland	good	photos & note J Bolton 06.200
26484	not identified	not identified	bu		Leeds Duncan Street window panels	Duncan Street	Leeds West Yorkshire	good	of a number of Scottish foundr
26476	not identified	not identified	bu		Halifax Alexandra Hall window panels	Street	Halifax West Yorkshire	good	work of at least three Scottish
25689	not identified	not identified	bu		Kilmun Church mausoleum roof	Mausoleum	Kilmun Argyll & Bute	stable	design and execution... note &
27049	not identified	not identified	bu		Anstruther shop front	High Street East	Anstruther Fife	stable	... photos & note J Bolton 10.2
26467	not identified	not identified	bu		Barnsley Market Hill window panels	Market Hill / Shambles Street	Yorkshire	good	at least three Scottish foundrie
27725	not identified	not identified	bu		Wick shopfront 2	Bridge Street	Highland	good	beneath former Station Hotel b
26468	not identified	not identified	ct		Barnsley clock bracket	Eldon Street ?	Yorkshire	good	Scottish connection ... photos
27025	not identified	not identified	ct		Weymouth clocktower	The Esplanade	Weymouth Dorset	good	but similar in stature to Macfar
26459	not identified	not identified	ct		Heckmondwike Market place clocktower	Market Place	Yorkshire	excellent	plinth, built 1863. .. no apparer
27613	not identified	not identified	ct		Ullapool clocktower	Quay Street / Argyll Street	Highland	good	photos & note J Bolton 06.200
26812	not identified	not identified	ec		Deganwy pavement canopy 2	Station Road A546	Wales	stable	necessarily Scottish, but many
27105	not identified	not identified	ec		Pitlochry shop canopy	Atholl Street	Kinross	stable	canopy ... in front of shops with
28621	not identified	not identified	ec		Tomdoun verandah	Tomdoun Hotel	Invergarry Highland	good	canopy to former hunting lodg
26813	not identified	not identified	ec		Deganwy pavement canopy 3	Station Road A546	Wales	stable	Scottish, but many in the area
27656	not identified	not identified	ec		Fort William Alexandra Hotel canopy	Alexandra Hotel The Parade	Fort William Highland	lost	... now lost ... pc photo c1900,
26814	not identified	not identified	ec		Deganwy pavement canopy 4	Station Road A546	Wales	stable	many in the area are .. note th
28316	not identified	not identified	ec		Southport Botanic Gardens canopy	Botanic Gardens	Southport Lancashire	good	Scottish connection! ... photos
26826	not identified	not identified	ec		Colwyn Bay pavement canopy 3	Abergele Road A547	Wales	stable	07.2007
26831	not identified	not identified	ec		Old Colwyn pavement canopy 2	Abergele Road A547	Wales	stable	note J Bolton 07.2007
28909	not identified	not identified	ec		Muir of Ord entrance canopy	Village centre	Muir of Ord Highland	unknown	photo J Bolton 07.2004, note (
28627	not identified	not identified	ec		Plockton Tigh-an-Fhaing canopy	Street	Plockton Highland	good	q.v.) at B & B ... photos & note
28613	not identified	not identified	ec		Lochaline verandah	not identified	Lochaline Highland	excellent	06.2009
27880	not identified	not identified	ec		Hawick entrance canopy	High Street	Borders	stable	also has roof terminal q.v. ... p
28560	not identified	not identified	ec		Brodick entrance porch	Strathwhillan Road	Ayshire	good	08.2009
26972	not identified	not identified	ec		Alness entrance canopy	Station Hotel High Street	Alness Highland	good	Bloom' 'Champion of Champio
27494	not identified	not identified	ec		Greenock entrance canopy	Nursing Home	Greenock Inverclyde	good	Bolton 04.2008
28374	not identified	not identified	ec		Southport 013 Lord Street canopy	etc	Southport Lancashire	good	unmarked canopy ... photos &
28681	not identified	not identified	ec		Glasgow Kirklee Road canopy	Kirklee Road	Glasgow	good	photos & note J Bolton 06.200
26877	not identified	not identified	ec		Kirkcudbright St Mary Street columns	St Mary Street	& Galloway	good	commercial property, also raili
28194	not identified	not identified	ec		Grenada Morne Fendue verandahs	House	West Indies	not known	guest-house ... possibly Scotti
									brackets & cross-head sugges

26322	not identified	not identified	ec		Pitlochry Fishers Hotel entrance canopy	Fishers Hotel	Kinross	good	pattern, possibly by Carron Cc
26404	not identified	not identified	ec		Bath The Empire Hotel entrance canopy	Orange Grove	East Somerset	excellent	... canopy appears to be uncha
27154	not identified	not identified	ec		West Kirby pavement canopy	Acacia Grove	Merseyside	at risk	recognizably Scottish ... some
26321	not identified	not identified	ec		Pitlochry Fishers Hotel canopy	Fishers Hotel	Kinross	stable	pattern, possibly by Carron Cc
28429	not identified	not identified	fd		Glasgow Clarkston drinking fountain	Busby Road Clarkston Toll	East Renfrewshire	excellent	maker's mark ... info & image /
25928	not identified	not identified	fd		(lost)	Gleneagles Station	Perthshire & Kinross	lost	platforms, presumably for floo
28249	not identified	not identified	fd		Simonstown drinking fountain	Jubilee Square	Africa	good	but other local ironwork is! ... r
26265	not identified	not identified	fd		Greenock drinking fountain canopy	Clyde Square	Greenock Inverclyde	good	although an apparently more s
27117	not identified	not identified	fd		Edinburgh High Street wellheads	High Street Royal Mile	Edinburgh	stable	originally supplied from Castle
28172	not identified	not identified	fd		fountain (lost)	Market Square	Borders	lost	www ... note J Bolton 11.2008
28908	not identified	not identified	fd		Machrihanish drinking fountain	Village Centre	Bute	stable	by McCallum & Hope as other
26092	not identified	not identified	fd		Allanton drinking fountain	Main street	Borders	stable	fountain ... no maker's marks .
26834	not identified	not identified	fd		Falkland Bruce Memorial troughs	centre)	Falkland Fife	good	1856. (info www.falkland4u.co
28829	not identified	not identified	fd		Carrickfergus Big Lamp 2 (replica)	High Street	Ireland	excellent	fountain of 1881 qv, erected 1
28812	not identified	not identified	fd		Airdrie drinking fountain 2 (lost)	Graham Street	Lanarkshire	lost	known ... post card image earl
26649	not identified	not identified	fd		Carmarthen drinking fountain	Carmarthen Park	Carmarthen Wales	stable	drinking fountain near bandsta
27374	not identified	not identified	fd		fountain	Terrace Easter Road	Edinburgh	good	... tapered column suggests pr
28547	not identified	not identified	fd		Cowes Shedden drinking fountain	Shedden Esplanade	Wight	good	Roscow Shedden ... no evider
28045	not identified	not identified	fd	1872	Stranraer cow-tailed pump	Lewis Street	Galloway	good	originally in Sun Street ... but u
26454	not identified	not identified	fd		fountain	Memorial	Wear	stable	connecting it to the former Fav
27121	not identified	not identified	fd		Carlops drinking fountain	A702	Borders	stable	note J Bolton 10.2007
26750	not identified	Dalkeith ?	fd		Haddington Poldrate pillar fountain	Poldrate Mill	Lothian	poor	Plumbers Dalkeith' perhaps m
27486	not identified	not identified	fd		Greenock drinking fountain	Clyde Square	Greenock Inverclyde	good	ornate canopy, probably of late
28135	not identified	not identified	fo		Barbados Bridgetown Fountain	National Heroes Square	West Indies	good	celebrate piped water to the ci
27238	not identified	not identified	fo		store)	Royal Infirmary site)	Edinburgh	stable	said to be in store pending rein
28198	not identified	not identified	fo		Tortola Road Town fountain	Gardens	West Indies	good	fountain perhaps relocated fro
26741	not identified	not identified	fo		Lichfield fountain	Museum Gardens	Lichfield Staffordshire	good	known Scottish connection, bu
28772	not identified	not identified	fo		Southport Hesketh Park fountain	Hesketh Park	Southport Lancashire	good	fountain removed c1939 ... re-
26259	not identified	not identified	fo		Greenock John Galt Memorial fountain	Memorial	Greenock Inverclyde	good	railings! ... note & photo J Bol
28208	not identified	not identified	fo		St Lucia Castries fountain	Derek Walcott Square	West Indies	good	Foreign Supply Co Willesden
28177	not identified	not identified	fo		St Kitts Independence Square fountain	Independence Square	West Indies	excellent	local Heritage Society ... appe
28179	not identified	not identified	fo		St Kitts Custom House fountain	House / Museum	West Indies	stable	Coalbrookdale Co ... photos &
28637	not identified	not identified	fo		Bo'ness Birkhill (ex Monifieth) Station	Birkhill Station Bo'ness	Monifieth	excellent	Bo'ness & Kinneil preserved ra
26715	not identified	not identified	fo		Selkirk Victoria Hall fountain	Victoria Hall Scott's Place	Scottish Borders	good	apparently un marked & not re
27816	not identified	not identified	fo		New Cumnock fountain	Afton View Gardens	Ayrshire	stable	... photos & note J Bolton 07.2
27380	not identified	not identified	ga		Edinburgh St Stephen's Church gates	Vincent Street	Edinburgh	stable	Playfair 1828 ... photos & note
26873	not identified	not identified	ga		Kirkcudbright Broughton House gates	High Street	& Galloway	good	property) - thought to date fror
27371	not identified	not identified	ga		Edinburgh Leith Walk gates	Leith Walk New Orchardfield	Edinburgh	stable	Victoria India-Rubber Mills (re
27425	not identified	not identified	ga		Inverbervie gate 3	Victoria Terrace	Aberdeenshire	good	railing qv) ... photos & note J E
27424	not identified	not identified	ga		Inverbervie gate 2	Victoria Terrace	Aberdeenshire	good	photos & note J Bolton 04.200
432	not identified	not identified	ga		Tayport Cemetery gates	Tayport Cemetery	Tayport Fife	stable	Craig 1887 (earlier name for T
27423	not identified	not identified	ga		Inverbervie gate 1	Montrose Road	Aberdeenshire	good	photos & note J Bolton 04.200
492	not identified	not identified	ga		Stirling Polmaise Road lodge gates	Polmaise Road	Stirling	excellent	2003) ... photos & note update
27396	not identified	not identified	ga		railings	Regent Road	Edinburgh	good	Hamilton 1829) ... photos & nc
27677	not identified	not identified	ga		Wigtown gates 1	A714 2 mi south	Galloway	stable	significant damage & some un
27391	not identified	not identified	ga		Edinburgh Dunard House gates	Dunard House Pitsligo Road	Edinburgh	excellent	property ... apparently rehung
491	not identified	not identified	ga		Bridge of Allan Church gates	Keir Street Church	Bridge of Allan Stirling	excellent	1930's or 1940's ? Well maint
82	not identified	not identified	ga		Stirling Spittal Street gates	Street	Stirling	stable	High School, now a hotel. ... [
27088	not identified	not identified	ga		Dundee Eastern Necropolis gates	Road	Dundee	good	originals ?? ... note & photos J
26509	not identified	not identified	ga		Larbert garden gate	Main Street	Stirlingshire)	stable	Bolton 01.2007
27193	not identified	not identified	ga		St Andrews gate 1	The Scores	St Andrews Fife	good	photos & note J Bolton 12.200
26550	not identified	not identified	ga		Bo'ness gate 1	Dundas Street	Bo'ness Falkirk	stable	01.2007
26569	not identified	not identified	ga		Paisley Oakshaw Street gate	Oakshaw Street	Paisley Renfrewshire	good	note J Bolton 01.2007
									almost all railings have been l

27156	not identified	not identified	ga		Pathhead Oxenfoord gates	Oxenfoord South Lodge A68	Pathhead Midlothian	at risk	railing qv ... photos & note J B
26698	not identified	not identified	ga		North Queensferry Northcliff gates	Northcliff	Fife	stable	position, appear to be cast iror
26789	not identified	not identified	ga		Wick gate 04	Street & Northcote Street	Highland	good	photos J Bolton 05.2004 ... no
26296	not identified	not identified	ga		Kyle of Lochalsh church gates 2	Kyle	Highland	stable	,perhaps by Rose Street Foun
26792	not identified	not identified	ga		Wick gate 07	Street	Highland	good	& with non Macf railings q.v. ..
26493	not identified	not identified	ga		Pencaitland Winton House gates	A6093	Lothian	stable	England - vulnerable to throug
26842	not identified	not identified	ga		Beattock gates	main street	Beattock	stable	Bolton 07.2007
26888	not identified	not identified	ga		Kirkcudbright Tongland Road gates 2	Tongland Road A711	& Galloway	excellent	note J Bolton 07.2007
26894	not identified	not identified	ga		Kirkcudbright St Mary Street gates 06	St Mary Street	& Galloway	good	Bolton 07.2007
26896	not identified	not identified	ga		Kirkcudbright St Mary Street gates 08	St Mary Street	& Galloway	good	Bolton 07.2007
26908	not identified	not identified	ga		Sanquhar gates 4	Glasgow Road	Galloway	excellent	Bolton 07.2007
27063	not identified	not identified	ga		Edinburgh Central Library gates	George IV Bridge	Edinburgh	excellent	perhaps by Thomas Hadden ..
26933	not identified	not identified	ga		Edinburgh Milton Road gates	Milton Road East	Edinburgh	good	to former 'institutional' building
27059	not identified	not identified	ga		Taymouth Castle gates	entrance	Kinross	stable	fron 1840 work for royal visit...
26971	not identified	not identified	ga		Aberlour gates 2	High Street Aberlour House	Aberlour Moray	good	Shortbread!) ... photos & note
26974	not identified	not identified	ga		Ardersier gate	B 9006	Ardersier Highland	stable	Bolton 09.2007
26982	not identified	not identified	ga		Clashmore gates	A 949	Highland	good	09.2007
27053	not identified	not identified	ga		Dunkeld Cathedral gates	Cathedral Street	Kinross	good	Bolton 10.2007
26790	not identified	not identified	ga		Wick gate 05	Street , etc	Highland	good	patterns on Thurso Road, Nev
27264	not identified	not identified	ga		Edinburgh Queen's Hall gate pillars	Street	Edinburgh	good	building from 1823, converted
25759	not identified	not identified	ga		Dunoon Benmore 'Golden Gates'	A815 5 miles north	Dunoon Argyll & Bute	missing	'The Golden Gates' - formerly
25876	not identified	not identified	ga		Hamilton Ferniegair gate	main street Ferniegair (A72)	Lanarkshire	at risk	next to Old School ... note & p
25883	not identified	not identified	ga		Lanark market gates	market	Lanarkshire	at risk	Market, area behind relandsca
25939	not identified	not identified	ga		Perth Grey Friars graveyard gates	Canal Street	Perth Perth & Kinross	stable	Bolton 02.2006
25947	not identified	not identified	ga		Birnam House Hotel gates	Birnam House Hotel	Perthshire & Kinross	stable	lions above gates ... notes & p
25948	not identified	not identified	ga		Dunkeld House Hotel gates	Dunkeld House Hotel (Hilton)	Kinross	stable	appear to be originals from c1!
27315	not identified	not identified	ga		Edinburgh Mayfield gate	Ventnor Terrace	Edinburgh	good	photos & note J Bolton 02.200
27311	not identified	not identified	ga		Edinburgh Newington gate pillars	Minto Street	Edinburgh	excellent	& note J Bolton 02.2007
26089	not identified	not identified	ga		Rhu Yacht Club gates	Yacht Club	Rhu Argyll & Bute	fair	appear to be essentially comp
26131	not identified	not identified	ga		Aberdeen Duthie gate	private house nr Duthie Park	Aberdeen	excellent	overthrow ... note & photos J E
26153	not identified	not identified	ga		Arbuthnott House gates	Arbuthnott House	Aberdeenshire	stable	& photos J Bolton 06.2006
27281	not identified	not identified	ga		Callander hotel gates	A84 Roman Camp Hotel	Callander Stirlingshire	stable	entrance drive to hotel ... phot
26499	not identified	not identified	ga		Larbert cemetery gates 2	Old Church	Stirlingshire)	stable	marks ... note & photos J Bolt
26206	not identified	not identified	ga		2	Glenurquart Road	Inverness Highland	stable	Bruce Gardens q.v.) ... note &
26497	not identified	not identified	ga		Dalkeith Palace King's Gate	A68 north of Dalkeith	Dalkeith Midlothian	stable	lodge, complete but in need of
27261	not identified	not identified	ga		Edinburgh Inverleith Row gate	Inverleith Row	Edinburgh	good	photos & note J Bolton 02.200
27241	not identified	not identified	ga		Edinburgh Medical School gates 1	University Teviot Place	Edinburgh	excellent	University Medical School, bui
26295	not identified	not identified	ga		Kyle of Lochalsh cemetery gates 1	of Kyle	Highland	good	undecorated design ... note &
26185	not identified	not identified	ga		Dingwall A834 gate 2	A 834 Burn Place	Dingwall Highland	good	railings ... note & photos J Bol
27237	not identified	not identified	ga		Aberlady Lodge gates	Main Street A198	Aberlady East Lothian	good	& note J Bolton 04.2006
26318	not identified	not identified	ga		Stirling Holyrude Cemetery gates	Holyrude Cemetery	Stirling	stable	fencing ... note & photos J Bo
26439	not identified	not identified	ga		Dunecht House gates	Dunecht House	Aberdeenshire	excellent	... info & image from www.heri
26447	not identified	not identified	ga		Thoresby Hall gates	Thorseby Hall	Nottinghamshire	excellent	Glasgow ... image & info from
26448	not identified	not identified	ga		London Lambeth Palace gates	Lambeth Palace	London	good	Engineering, London ... info &
26490	not identified	not identified	ga		Aberdour St Colme House gates	Hotel	Aberdour Fife	excellent	missing) apparently no maker'
27195	not identified	not identified	ga		Gateside gate	Main Road A91	Gateside Fife	good	updated J Bolton 04.2008
25690	not identified	not identified	ga		Greenock Cemetery railing & gates	Brachelston Square	Greenock Inverclyde	good	photo DSM c2003 ... railing &
26199	not identified	not identified	ga		Drumnadrochit Free Church gates	Glen Urquart	Highland	stable	1844 ... note & photos J Bolto
27683	not identified	not identified	ga		Wick gate 10	Coronation Street	Highland	good	railing 14 ... gate pillars have p
28067	not identified	not identified	ga		North Berwick gates	Abbotsford Road	Lothian	stable	& vulnerable ... photos & note
28068	not identified	not identified	ga		Edinburgh Royal Observatory gates	Blackford Hill	Edinburgh	good	... (observation drums are cop
28933	not identified	not identified	ga		Campbeltown gates & railings 07	High Askomil	Bute	good	note J Bolton 05.2010
27766	not identified	not identified	ga		Tain churchyard gates 2	Street	Highland	good	been 'recently' refurbished and
									photos & note J Bolton 05.201

27483	not identified	not identified	ga		Dunoon Sandbank gate 1	High Road Sandbank	Dunoon Argyll & Bute	good	others qv) ... photos & note J
27682	not identified	not identified	ga		Wick gate 09	Thurso Road	Highland	good	... associated with railing 11 ...
28265	not identified	not identified	ga		Beamish Museum Park Gates	Park	Beamish Durham	good	unmarked gates ... photo & no
27684	not identified	not identified	ga		Wick gate 11	Coronation Street	Highland	good	railings 12 q.v. ... photos & not
27688	not identified	not identified	ga		Wick gate 15	West Banks Avenue	Highland	good	J Bolton 06.2008
27771	not identified	not identified	ga		Tain bank gates	Street	Highland	good	note J Bolton 06.2008
28027	not identified	not identified	ga		Stranraer gates 21	Stair Drive	Galloway	good	properties ... also at Victoria P
27692	not identified	not identified	ga		Wick gate 19	George Street	Highland	excellent	Bolton 06.2008
28026	not identified	not identified	ga		Stranraer gates 20	Victoria Place	Galloway	good	09.2008
27862	not identified	not identified	ga		Stranraer gates 01	Stoneykirk Road	Galloway	good	note J Bolton 07.2008
27817	not identified	not identified	ga		New Cumnock gatepost eagles	Afton View Gardens	Ayrshire	stable	elsewhere ... photos & note J I
27484	not identified	not identified	ga		Dunoon Sandbank gate 2	High Road Sandbank	Dunoon Argyll & Bute	good	others qv)... photos & note J I
28861	not identified	not identified	ga		Balbeggie gate	A 94	& Kinross	good	Bolton 27.03.10
28577	not identified	not identified	ga		Balmaghie House gates 2	Balmaghie House	Dumfries & Galloway	stable	(since demolished) ... unidenti
28981	not identified	not identified	ga		railings 02	Campbeltown Road	Tarbert Argyll & Bute	stable	photos & note J Bolton 05.201
27617	not identified	not identified	ga		Ullapool Tir Alluin gates	835	Highland	stable	Bolton 06.2008
27929	not identified	not identified	ga		Stornoway Francis Street gate 2	Street	Western Isles	stable	note J Bolton 06.2008
28758	not identified	not identified	ga		Edinburgh Royal Circus gates	Royal Circus	Edinburgh	good	photos & note J Bolton 02.200
28567	not identified	not identified	ga		Cumnock cemetery gates	Glaisnock Street	Ayrshire	stable	07.2008
28029	not identified	not identified	ga		Stranraer gates 23	Leswalt High Road	Galloway	stable	Bolton 09.2008
27627	not identified	not identified	ga		Glenluce gate 2	Main Street	Galloway	good	Macfarlane example ... photos
28151	not identified	not identified	ga		Pathhead Main Street gates	Main Street	Pathhead Midlothian	stable	fabricated from railing panel ...
28945	not identified	not identified	ga		Farr gates	Flichity House	Highland	good	Bank Church railings Invernes
28467	not identified	not identified	ga		Tarbert Pier Road gates & railings 12	Pier Road	Tarbert Argyll & Bute	good	... photos 02.1996 & note J Bo
28940	not identified	not identified	ga		Guisachan gates	Guisachan Estate	Highland	good	built 1854 now lost q.v. ... pho
28957	not identified	not identified	ga		Oban Cemetery gates & railing	Oban Cemetery A85 north	Oban Argyll & Bute	good	photos & note J Bolton 05.201
27827	not identified	not identified	ga		Newton Stewart gates 5	York Road	Dumfries & Galloway	excellent	photos & note J Bolton 07.200
27773	not identified	not identified	ga		Tain church gates	Church Upper King Street	Highland	good	06.2008
27800	not identified	not identified	ga		Gatehouse of Fleet Cally gates 1	Cally Castle Hotel entrance	Dumfries & Galloway	stable	... photos & note J Bolton 07.2
27772	not identified	not identified	ga		Tain gate 2	Tower Place	Highland	good	06.2008
28189	not identified	not identified	ga		Grenada Museum gate arch	Young Street	West Indies	stable	'MATRE DEA MONSTRANTE
27801	not identified	not identified	ga		Gatehouse of Fleet Cally gates 2	Cally Castle Hotel steading	Dumfries & Galloway	stable	photos & note J Bolton 07.200
28336	not identified	not identified	ga		Aberdeen St Peter's cemetery gates	King Street	Aberdeen	good	& note J Bolton 02.2009
28886	not identified	not identified	ga		Kenmore / Taymouth gate pillars	Kenmore / Taymouth	Kinross	good	bridge nr Taymouth Castle... s
27690	not identified	not identified	ga		Wick gate 17	Memorial	Highland	good	WW1 Memorial on road to Thu
27926	not identified	not identified	ga		Stornoway Church Street gate 1	Church Street	Western Isles	excellent	Bolton 06.2008
27456	not identified	not identified	ga		Montrose gate overthrow	Ferry Road ?	Montrose Angus	good	photos & note J Bolton 04.200
28020	not identified	not identified	ga		Stranraer gates 14	Lewis Street	Galloway	good	associated with railing 21 ... ph
27454	not identified	not identified	ga		Arbroath cemetery railings	Western Cemetery	Arbroath Angus	good	qv) ... photos & note J Bolton (
27961	not identified	not identified	ga		Stornoway Matheson Road (H) gates	Matheson Road	Western Isles	good	Presbyterian Church ... photos
27883	not identified	not identified	ga		Hawick gate arch 2	Drumlanrig Square	Borders	poor	either end of gardens ... date c
27780	not identified	not identified	ga		Tain gate 3	Brae	Highland	good	... photos & note J Bolton 06.2
27781	not identified	not identified	ga		Tain gate 4	Hartfield Street ?	Highland	good	foundries ... also in Thurso & V
28212	not identified	not identified	ga		Peebles Park gates	Victoria Park Glen Road	Borders	stable	... photos & note J Bolton 01.2
27901	not identified	not identified	ga		Kelso gates 2	Abbey Church ? Abbey Row	Kelso Scottish Borders	good	q.v. ... photos & note J Bolton
27900	not identified	not identified	ga		Kelso gates 1	Court	Kelso Scottish Borders	good	possibly wrought & cast iron c
28022	not identified	not identified	ga		Stranraer gates 16	Lewis Street	Galloway	good	note J Bolton 09.2008
27687	not identified	not identified	ga		Wick gate 14	West Banks Avenue	Highland	good	railing 16 ... photos & note J B
27453	not identified	not identified	ga		Arbroath cemetery gates	Western Cemetery	Arbroath Angus	good	Bolton 04.2008
28024	not identified	not identified	ga		Stranraer gates 18	Victoria Place	Galloway	good	Bolton 09.2008
27570	not identified	not identified	ga		Brora gates 2	A9 north	Brora Highland	excellent	double ... on main road north c
27569	not identified	not identified	ga		Brora gates 1	A9 north	Brora Highland	good	properties on main road north
27815	not identified	not identified	ga		Drummore gates 2	Stair Street	Galloway	stable	with railing 2 q.v. ... photos & r
									note J Bolton 04.2008, update

28629	not identified	not identified	ga		Plockton gates	Rudha Mor Frithard Road	Plockton Highland	good	local doctor (house also believ
28106	not identified	not identified	ga		Stornoway Goathill Road (O) gates	Goathill Road	Western Isles	good	pattern No 29 in Council Surve
27477	not identified	not identified	ga		Rhynie gate 1	South Street A97	Rhynie Aberdeenshire	good	Bolton 04.2008
27902	not identified	not identified	ga		Kelso gates 3	Row	Kelso Scottish Borders	good	05.2008
28626	not identified	not identified	ga		Plockton Tigh-an-Fhaing gate	Street	Plockton Highland	good	B ... photos & note J Bolton 06
28446	not identified	not identified	ga		Lerwick Town Hall entrance arch	Town Hall Hillhead	Lerwick Shetland	good	George Smith & Co ... photos
28082	not identified	not identified	ga		Stornoway Goathill Road (B) gate	Goathill Road	Western Isles	good	06.2008 ... pattern No 9 in Cou
27869	not identified	not identified	ga		Stranraer gates 08	Lochryan Street	Galloway	good	railing at front and railing 13 b
28025	not identified	not identified	ga		Stranraer gates 19	Victoria Place	Galloway	good	which also occurs in Blairgowr
28696	not identified	not identified	ga		Glasgow Observatory Road gates	Observatory Road	Glasgow	good	photos & note J Bolton 06.200
27903	not identified	not identified	ga		Kelso gates 4	Roxburgh Street ?	Kelso Scottish Borders	good	Bolton 05.2008
28618	not identified	not identified	ga		Invergloy gates	Invergloy House A 82	Bridge Highland	stable	06.2009
28018	not identified	not identified	ga		Stranraer gates 12	Lewis Street	Galloway	stable	photos & note J Bolton 09.200
27814	not identified	not identified	ga		Drummore gates 1	Street	Galloway	good	Bolton 07.2008
26440	not identified	not identified	gl		Glasgow Tollcross Park Winter Gardens	Road	Glasgow	excellent	www.heritageengineering.com
26299	not identified	not identified	gr		grave railing 3	Kilmonivaig Cemetery	Highland	stable	intact ... note & photos J Bolto
28869	not identified	not identified	gr		Kinloch grave railings 2	Kinloch Churchyard	Kinross	stable	graveyard qv ... photos & note
26300	not identified	not identified	gr		grave railing 4	Kilmonivaig Cemetery	Highland	stable	photos J Bolton 08.2006
26298	not identified	not identified	gr		grave railing 2	Kilmonivaig Cemetery	Highland	stable	decoration ... note & photo J E
26290	not identified	not identified	gr		8	Kilmallie Cemetery	Corpach Highland	stable	note & photo J Bolton 08.2006
26297	not identified	not identified	gr		grave railing 1	Kilmonivaig Cemetery	Highland	stable	paint, apparently unmarked ...
27234	not identified	not identified	gr		Edinburgh Cramond grave marker 4	Cramond Cemetery	Edinburgh Cramond	stable	Dods 11.2005
28868	not identified	not identified	gr		Kinloch grave railings 1	Kinloch Churchyard	Kinross	stable	graveyard qv ... photos & note
27786	not identified	not identified	gr		Arisaig grave railing 2	St Mary's Church graveyard	Arisaig Highland	stable	06.2008
26289	not identified	not identified	gr		7	Kilmallie Cemetery	Corpach Highland	stable	repainted in gold & black ... no
26292	not identified	not identified	gr		9	Kilmallie Cemetery	Corpach Highland	stable	simple twist design ... note & p
27581	not identified	not identified	gr		Edderton grave railing 1	East Church	shire Highland	stable	06.2008
26640	not identified	not identified	gr		Perth St Paul's Church pulpit ironwork	Street	Kinross	stable	area ... info & photos A Driver
27594	not identified	not identified	gr		Glenelg grave railing 2	Glenelg Parish Church	Highland	stable	them ... similar to railing 3 but
26272	not identified	not identified	gr		marker 4	Ballengeich Cemetery	Stirling	stable	note & photo J Bolton 08.2006
27595	not identified	not identified	gr		Glenelg grave railing 3	Glenelg Parish Church	Highland	stable	photos & note J Bolton 07.200
27596	not identified	not identified	gr		Glenelg grave railing 4	Glenelg Parish Church	Highland	stable	J Bolton 07.2008
26271	not identified	not identified	gr		marker 3	Ballengeich Cemetery	Stirling	stable	& photo J Bolton 08.2006
26270	not identified	not identified	gr		marker 2	Cemeteries	Stirling	stable	& photos J Bolton 08.2006
27597	not identified	not identified	gr		Glenelg grave railing 5	Glenelg Parish Church	Highland	stable	Bolton 07.2008
26301	not identified	not identified	gr		grave railing 5	Kilmonivaig Cemetery	Highland	good	paint cover ... note & photo J E
26285	not identified	not identified	gr		3	Kilmallie Cemetery	Corpach Highland	stable	Inverailort' ... note & photo J E
27598	not identified	not identified	gr		Edderton grave railing 2	East Church	shire Highland	stable	Bolton 06.2008
27232	not identified	not identified	gr		Edinburgh Cramond grave marker 2	Cramond Cemetery	Edinburgh Cramond	stable	original info & image C Dods 1
28338	not identified	not identified	gr		Aberdeen St Nicholas grave marker	Union Street / Back Wynd	Aberdeen	stable	from 1874 & 1891 ... photos &
25693	not identified	not identified	gr		Kilmun Church mort safe(s)	Kilmun Church	Kilmun Argyll & Bute	stable	1800s, displayed in church yar
28541	not identified	not identified	gr		Applecross grave marker	Applecross cemetery	Applecross Highland	good	McRae in 1832 ... photos & no
28871	not identified	not identified	gr		Kinloch grave railings 4	Kinloch Churchyard	Kinross	stable	graveyard qv ... photos & note
26283	not identified	not identified	gr		1	Kilmallie Cemetery	Corpach Highland	good	08.2006
26313	not identified	not identified	gr		railing 1	St Mary's Church	Lothian	stable	apparently complete, but displ
27785	not identified	not identified	gr		Arisaig grave railing 1	St Mary's Church graveyard	Arisaig Highland	stable	photos & note J Bolton 06.200
26286	not identified	not identified	gr		4	Kilmallie Cemetery	Corpach Highland	stable	note & photos J Bolton 08.20(
26287	not identified	not identified	gr		5	Kilmallie Cemetery	Corpach Highland	stable	design ... note & photo J Bolto
26328	not identified	not identified	gr		2	Holyrude Cemetery	Stirling	stable	photos J Bolton 09.2006
28950	not identified	not identified	gr		Old Kilpatrick grave marker	Old Kilpatrick Church	Dunbartonshire	stable	05.2010
28610	not identified	not identified	gr		Balquidder grave railing 2	Cemetery	Balquidder Highland	stable	06.2009
28579	not identified	not identified	gr		Dunbar grave marker 2	Parish Church	Dunbar East Lothian	stable	Bolton 07.2009
27080	not identified	not identified	gr		Humbie grave marker 1	Humbie Kirk graveyard	Humbie East Lothian	stable	paintwork ... photos & note J E
									roof cresting on adjacent build

28917	not identified	not identified	gr		Airth grave railing	Parish Church Main Street	Airth Falkirk	stable	unmarked railing ... photos & r
26725	not identified	not identified	gr		Caddonfoot grave railing	graveyard	Scottish Borders	stable	Bolton 05.2007
26726	not identified	not identified	gr		Selkirk grave marker	Auld Kirk graveyard	Borders	stable	missing ... photos & note J Bol
26727	not identified	not identified	gr		Selkirk grave rail 1	Auld Kirk graveyard	Borders	stable	Bolton 05.2007
26728	not identified	not identified	gr		Selkirk grave rail 2	Auld Kirk graveyard	Borders	stable	05.2007
26327	not identified	not identified	gr		1	Holyrude Cemetery	Stirling	stable	... note & photo J Bolton 09.20
27050	not identified	not identified	gr		Anstruther grave marker	Parish Church Burial Brae!	Anstruther Fife	stable	... photo & note J Bolton 10.2(
27084	not identified	not identified	gr		Dundee East grave marker 1	Road	Dundee	good	... photos & note J Bolton 10.2
27719	not identified	not identified	gr		Wick grave railing 2	Cemetery South Road	Highland	stable	Bolton 06.2008
27040	not identified	not identified	gr		Crail grave marker 3	Crail Parish Church	Crail Fife	good	sign of it 10.2007 ... note J Bc
27039	not identified	not identified	gr		Crail grave marker 2	Crail Parish Church	Crail Fife	good	writing ... design reg number o
27038	not identified	not identified	gr		Crail grave marker 1	Crail Parish Church	Crail Fife	good	upside down !! ... photos & not
27762	not identified	not identified	gr		Tain grave railing 3	Street	Highland	poor	unmarked railing ... photo & nc
27722	not identified	not identified	gr		Wick grave railing 5	Street	Highland	at risk	also exists as a railing in Lerw
27723	not identified	not identified	gr		Wick grave railing 6	Street	Highland	stable	06.2008
28611	not identified	not identified	gr		Balquidder grave marker	Cemetery	Balquidder Highland	stable	Bolton 06.2009
518	not identified	not identified	gr		East Linton Preston Kirk grave marker(s)	Preston Kirk	Lothian	at risk	other recording a death in 182
517	not identified	not identified	gr		East Wemyss gravemarker	St Mary's churchyard	East Wemyss Fife	stable	church, now closed ... photo &
27890	not identified	not identified	gr		Kelso grave railing	Lane	Kelso Scottish Borders	at risk	Bolton 05.2008
26729	not identified	not identified	gr		Selkirk grave rail 3	Auld Kirk graveyard	Borders	stable	note J Bolton 05.2007
27787	not identified	not identified	gr		Arisaig grave railing 3	St Mary's Church graveyard	Arisaig Highland	stable	06.2008
26303	not identified	not identified	gr		Laggan Church grave railing 1	Laggan Parish Church	Laggan Highland	stable	top railing with minor damage
27618	not identified	not identified	gr		Ullapool grave railing 1	Old Graveyard Garve Road	Highland	stable	unmarked railing ... photos & r
27619	not identified	not identified	gr		Ullapool grave railing 2	Old Graveyard Garve Road	Highland	stable	06.2008
27620	not identified	not identified	gr		Ullapool grave railing 3	Argyll Street	Highland	stable	remnants of railing ... photos &
25983	not identified	not identified	gr		Glasgow Necropolis memorial 5	The Necropolis	Glasgow	at risk	Totally derelict within ... photo:
564	not identified	not identified	gr		Dundee Liff gravemarker	Liff Parish Church	Liff Angus (nr Dundee)	stable	
26316	not identified	not identified	gr		6	Holyrude Cemetery	Stirling	stable	09.2006
27633	not identified	not identified	gr		Dalmally grave railing 1	Parish Church	Dalmally Argyll & Bute	stable	06.2008
27127	not identified	not identified	gr		Scotlandwell Portmoak gravemarker 2	Portmoak graveyard	Perthshire & Kinross	stable	note J Bolton 10.2007
27634	not identified	not identified	gr		Dalmally grave railing 2	Parish Church	Dalmally Argyll & Bute	stable	06.2008
27635	not identified	not identified	gr		Dalmally mort safe	Parish Church	Dalmally Argyll & Bute	stable	06.2008
27081	not identified	not identified	gr		Humbie grave marker 2	Humbie Kirk graveyard	Humbie East Lothian	at risk	10.2007
28578	not identified	not identified	gr		Dunbar grave marker 1	Parish Church	Dunbar East Lothian	stable	Bolton 07.2009
26302	not identified	not identified	gr		Laggan Church grave railing 2	Laggan Parish Church	Laggan Highland	stable	08.2006
26317	not identified	not identified	gr		7	Holyrude Cemetery	Stirling	stable	Bolton 09.2006
27593	not identified	not identified	gr		Glenelg grave railing 1	Glenelg Parish Church	Highland	stable	Bolton 07.2008
28329	not identified	not identified	gr		Dundee Balgay grave marker 2	Balgay Cemetery	Dundee	stable	stone insert (Smith Patent ?) .
28328	not identified	not identified	gr		Dundee Balgay grave marker 1	Balgay Cemetery	Dundee	stable	Bolton 03.2009
26943	not identified	not identified	gr		Dundee Balgay grave railing	Balgay Hill Necropolis	Dundee	at risk	photos & note J Bolton 08.200
27652	not identified	not identified	gr		Fort William grave marker 4	Street	Fort William Highland	good	note J Bolton 07.2008
27653	not identified	not identified	gr		Fort William grave marker 5	Street	Fort William Highland	good	note J Bolton 07.2008
536	not identified	not identified	gr		Larbert grave railing 1	Larbert Cross Graveyard	Larbert Falkirk	at risk	ground .. no maker's identifica
27087	not identified	not identified	gr		Dundee East grave marker 6	Road	Dundee	good	& note J Bolton 10.2007
27086	not identified	not identified	gr		Dundee East grave marker 5	Road	Dundee	good	10.2007
27085	not identified	not identified	gr		Dundee East grave marker 4	Road	Dundee	poor	Bolton 10.2007
27642	not identified	not identified	gr		Whithorn grave marker 4	Whithorn Priory	Galloway	stable	07.2008
27375	not identified	not identified	gr		Arran Lamlash grave railing	Kilbride Cemetery	Ayrshire	stable	exist in Inverness & Perth qv ..
27463	not identified	not identified	gr		Macduff grave railing 2	Church Street	Aberdeenshire	stable	note J Bolton 04.2008
26240	not identified	not identified	gr		Fort William grave marker 2	Cemetery A 82 north	Fort William Highland	stable	ornamentation ... unusual rear
27789	not identified	not identified	gr		Arisaig grave railing 5	St Mary's Church graveyard	Arisaig Highland	stable	06.2008
28003	not identified	not identified	gr		Moniaive Glencairn grave railing 5	Glencairn Parish Church	Galloway 3 mi east	stable	unmarked railing ... photos & r
27258	not identified	not identified	gr		Edinburgh Greyfriars Kirk grave railing	Greyfriars Kirk	Edinburgh	stable	02.2007
									appears to be of cast-iron - an

27295	not identified	not identified	gr		Dunblane gravemarker 5	Dunblane Cathedral	Dunblane Stirlingshire	stable	note J Bolton 01.2008
26208	not identified	not identified	gr		railing	(north side)	Inverness Highland	stable	Bolton 08.2006
27668	not identified	not identified	gr		Ballachulish grave marker 3	Saint Bride's Church	Highland	stable	07.2008
26562	not identified	not identified	gr		Glasgow Sighthill gravemarker 5	Sighthill Cemetery	Glasgow	stable	J Bolton 01.2007
28001	not identified	not identified	gr		Moniaive Glencairn grave railing 3	Glencairn Parish Church	Galloway 3 mi east	stable	pattern exists in Lewis Street S
27669	not identified	not identified	gr		Ballachulish grave marker 4	Saint John's Church	Ballachulish Highland	stable	identifying grave plots (lairs in
27466	not identified	not identified	gr		Macduff grave railing 5	Church Street	Aberdeenshire	stable	memorial dates ... photos & nc
28000	not identified	not identified	gr		Moniaive Glencairn grave railing 2	Glencairn Parish Church	Galloway 3 mi east	stable	note J Bolton 09.2008
26578	not identified	not identified	gr		Drumoak gravemarker	Drumoak Old Church	Aberdeenshire	stable	surprisingly modern font ... phc
26502	not identified	not identified	gr		Larbert gravemarker 8	Larbert Cross Graveyard	Stirlingshire)	at risk	safety reasons, plaque records
27296	not identified	not identified	gr		Dunblane gravemarker 4	Dunblane Cathedral	Dunblane Stirlingshire	stable	01.2008
26211	not identified	not identified	gr		marker 3	level)	Inverness Highland	poor	08.2006
26207	not identified	not identified	gr		door	(south side)	Inverness Highland	stable	photos J Bolton 08.2006
26504	not identified	not identified	gr		Larbert grave railing 2	Larbert Cross Graveyard	Stirlingshire)	stable	maker's marks .... note & phot
28958	not identified	not identified	gr		Oban Cemetery grave marker	Oban Cemetery A85 north	Oban Argyll & Bute	good	photos & note J Bolton 05.201
27462	not identified	not identified	gr		Macduff grave railing 1	Church Street	Aberdeenshire	stable	note J Bolton 04.2008
27485	not identified	not identified	gr		St Combs grave marker	St Combs Cemetery	Fraserburgh	stable	photos & note J Bolton 04.200
26241	not identified	not identified	gr		Fort William grave marker 3	Cemetery A82 north	Fort William Highland	stable	08.2006
28836	not identified	not identified	gr		Glasgow Govan Old Church grave railing	Road	Glasgow Govan	at risk	railing ... at risk as church clos
28005	not identified	not identified	gr		Moniaive Glencairn grave railing 7	Glencairn Parish Church	Galloway 3 mi east	stable	photos & note J Bolton 09.200
28838	not identified	not identified	gr		Glasgow Govan balcony railing	Road	Glasgow Govan	stable	Institute building, date on rain
27465	not identified	not identified	gr		Macduff grave railing 4	Church Street	Aberdeenshire	stable	photos & note J Bolton 04.20(
28012	not identified	not identified	gr		Moniaive Glencairn grave railing 8	Glencairn Parish Church	Galloway 3 mi east	stable	09.2008
26545	not identified	not identified	gr		Carriden grave railing 1	Carriden churchyard	Falkirk	at risk	lying nearby & against wall ...
27667	not identified	not identified	gr		Ballachulish grave marker 2	Saint Bride's Church	Highland	stable	early example if erected at tha
26544	not identified	not identified	gr		Carriden grave markers 2	Carriden churchyard	Falkirk	stable	Bolton 01.2007
27464	not identified	not identified	gr		Macduff grave railing 3	Church Street	Aberdeenshire	stable	links)photos & note J Bolton 0
27788	not identified	not identified	gr		Arisaig grave railing 4	St Mary's Church graveyard	Arisaig Highland	stable	06.2008
27670	not identified	not identified	gr		Ballachulish grave marker 5	Saint John's Church	Ballachulish Highland	stable	note J Bolton 07.2008
26244	not identified	not identified	gr		Fort William grave railing 3	Cemetery A82 north	Fort William Highland	stable	photos J Bolton 08.2006
26245	not identified	not identified	gr		Fort William grave railing 4	Cemetery A82 north	Fort William Highland	poor	Bolton 08.2006
26505	not identified	not identified	gr		Larbert grave railing 3	Larbert Cross Graveyard	Stirlingshire)	at risk	monument ... note & photos j E
28190	not identified	not identified	gr		Grenada grave railing (s)	Cemetery Road	West Indies	stable	thistle suggests a Scottish con
26246	not identified	not identified	gr		Fort William grave railing 5	Cemetery A82 north	Fort William Highland	poor	unmarked ...note & photo J B
26543	not identified	not identified	gr		Carriden grave markers 1	Carriden churchyard	Falkirk	stable	between 1891 & 1936 (also at
28002	not identified	not identified	gr		Moniaive Glencairn grave railing 4	Glencairn Parish Church	Galloway 3 mi east	stable	09.2008
26178	not identified	not identified	gr		Urquhart grave railing	Urquhart graveyard	Bridge Highland	stable	note & photos J Bolton 08.20(
28453	not identified	not identified	la		Lerwick Commercial Street lamp pillar 02	Cross	Lerwick Shetland	good	& note J Bolton 02.2009
27680	not identified	not identified	la		Wigtown Town Hall lamp pillars	Town Hall	Galloway	good	replacements ... photos & note
27041	not identified	not identified	la		Anstruther harbour light pillar	Harbour East Breakwater	Anstruther Fife	stable	... photos & note J Bolton 10.2
28747	not identified	not identified	la		Edinburgh Melville Drive lamp pillars	Melville Drive	Edinburgh	good	photos & note J Bolton 02.200
28455	not identified	not identified	la		Lerwick Commercial Street shop front 02	Commercial Street	Lerwick Shetland	good	diamond TM, but not Macfarla
28454	not identified	not identified	la		Lerwick Commercial Street shop front 01	Commercial Street	Lerwick Shetland	good	side entrance ... rust suggests
26455	not identified	not identified	la		lamp pillars	Mowbray Gardens	Wear	good	three but obscured with paint .
26563	not identified	not identified	la		Paisley Museum lamp pillars	Road	Paisley Renfrewshire	good	Museum/Library & near statior
27988	not identified	not identified	la		Thornhill Hotel lamp bracket	Hotel	Galloway	stable	a lamp bracket pre-dating the
28729	not identified	not identified	la		Edinburgh Atholl Crescent lamp pillars	Atholl Crescent	Edinburgh	excellent	photos & note J Bolton 02.200
26931	not identified	not identified	la		Edinburgh Restalrig Church lamp pillars	Willowbrae Road	Lodge	good	photos & note J Bolton 08.20(
27316	not identified	not identified	la		Edinburgh Mayfield Church lamp pillars	Road	Edinburgh	good	Bolton 02.2007
26565	not identified	not identified	la		Paisley lamp pillars	High Street	Paisley Renfrewshire	stable	centre open area ... photos & r
26564	not identified	not identified	la		Paisley Meeting House (?) lamp pillars	Oakshaw Street	Paisley Renfrewshire	at risk	front of ? former Meeting Hous
27333	not identified	not identified	la		Edinburgh Medical School lamp pillars 2	University Teviot Place	Edinburgh	good	photos & note J Bolton ... upd
28445	not identified	not identified	la		Lerwick Town Hall lamp pillars	Town Hall Hillhead	Lerwick Shetland	excellent	Hall ... unmarked, possibly by
									appear similar to two of the fou

27352	not identified	not identified	la		Edinburgh Queen St 09 lamp pillars	9 Queen Street	Edinburgh	excellent	original construction date ... ph
25934	not identified	not identified	la		Perth Sherriff Court lamp brackets	Street	Perth Perth & Kinross	good	note & photos J Bolton 02.200
28691	not identified	not identified	la		Glasgow Lancaster Crescent lamp pillar	Lancaster Crescent	Glasgow	excellent	photos & note J Bolton 06.200
27354	not identified	not identified	la		Edinburgh Queen St 14 lamp pillars	14 Queen Street	Edinburgh	excellent	note J Bolton 04.2006
25845	not identified	not identified	la		lamp	St Michael's Bridge	Galloway	good	J Bolton 01.2006
27332	not identified	not identified	la		Edinburgh Medical School lamp pillars 1	University Teviot Place	Edinburgh	excellent	gates qv ... photos & note J Bo
28448	not identified	not identified	la		Lerwick KIng Eric Street lamp pillars	King Eric Street	Lerwick Shetland	good	recreation areas (? re-sited fro
26549	not identified	not identified	la		Bo'ness NBR lamp pillar	SRPS station	Bo'ness Falkirk	good	brought from elsewhere ... pho
27358	not identified	not identified	la		Edinburgh Queen St 51 & 55 lamp pillars	51 & 55 Queen Street	Edinburgh	excellent	q.v.) ... photos & note J Bolton
27360	not identified	not identified	la		Edinburgh Queen St 68 flambeaux	68 Queen Street	Edinburgh	excellent	building ... photos & note J Bo
28452	not identified	not identified	la		Lerwick Commercial Street lamp pillar 01	Commercial Street	Lerwick Shetland	stable	Bolton 02.2009
25847	not identified	not identified	la		Moffat 'provost' lamp pillar	Town Hall	Galloway	good	note & photos J Bolton 01.200
27064	not identified	not identified	la		Edinburgh Central Library lamp pillars	George IV Bridge	Edinburgh	excellent	... perhaps by Thomas Hadder
26220	not identified	not identified	la		Inverness Town Hall lamp pillars	Town Hall Bridge Street	Inverness Highland	good	
27905	not identified	not identified	la		Kelso lamp pillar 5	Ednam House Hotel	Kelso Scottish Borders	good	Bolton 05.2008
27356	not identified	not identified	la		Edinburgh Queen St 28 & 29 lamp pillars	28 & 29 Queen Street	Edinburgh	excellent	Bolton 04.2006
26084	not identified	not identified	la		Musselburgh 'provost' lamp pillar	Lewisvale Park	Lothian	stable	(Mayor's) House ... last used 1
28059	not identified	not identified	la		Musselburgh vent stack	Links View	Lothian	stable	restored as a community proje
26937	not identified	not identified	la		Newport-on-Tay lamp pillars	Scotland	Newport-on-Tay Fife	stable	modified ... photos & note J Bo
25897	not identified	not identified	la		St Boswells Village Hall lamp bracket	Village Hall	Borders	good	photo J Bolton 10.2003
27329	not identified	not identified	la		Edinburgh Nicolson Square lamp pillars	Church	Edinburgh	excellent	steps ... photo & note J Bolton
26735	not identified	not identified	la		Selkirk Parish Church gate pillar lamps	Parish Church High Street	Borders	good	however adjacent railings are
27330	not identified	not identified	la		Edinburgh Bristo Square lamp pillars 2	Bristo Square	Edinburgh	excellent	maker (or material!) ... photo &
28308	not identified	not identified	la		Strathmiglo lamp pillar	West Back Dykes ?	Strathmiglo Fife	good	attached security lamp !! ... ph
27054	not identified	not identified	la		Dunkeld lamp pillars	off Cathedral Street	Kinross	good	note J Bolton 10.2007
27767	not identified	not identified	la		Tain lamp pillars 1	Tain Cinema Tower Street	Highland	stable	... photos & note J Bolton 06.2
27904	not identified	not identified	la		Kelso lamp pillar 4	Kelso Bridge	Kelso Scottish Borders	excellent	London c1937 (plaque) ... Kels
27336	not identified	not identified	la		Edinburgh Glenfinlas Street lamp pillars	Glenfinlas Street	Edinburgh	good	photos & note J Bolton 04.200
26069	not identified	not identified	la		Edinburgh Register House lamp pillars	House	Edinburgh	excellent	lamps appear on a G W Wilso
26832	not identified	not identified	la		Falkland Palace lamp pillar	East Port (Falkland Palace)	Falkland Fife	excellent	maker's marks ... photos & not
28069	not identified	not identified	la		pillars	Blackford Hill	Edinburgh	good	compound ... photos & note J
26552	not identified	not identified	la		Bo'ness Jubilee Fountain lamp	Market Street	Bo'ness Falkirk	good	However p c c1910 shows a d
28965	not identified	not identified	la		Oban Town House lamp pillars	Town House High Street	Oban Argyll & Bute	excellent	them at the road edge & with l
27802	not identified	not identified	la		Gatehouse of Fleet Cally lamp pillars	Cally Castle Hotel steading	Dumfries & Galloway	good	style of Shotts Iron Co ... photo
28556	not identified	not identified	la		Auchinleck Dumfries House lamp bracket	Dumfries House steading	Ayrshire	good	Bolton 07.2009
25999	not identified	not identified	la		Glasgow Blythswood Square lamp pillars	Club)	Glasgow	excellent	Bolton 02.2006
28894	not identified	not identified	la		Boat of Garten station lamp bracket	Boat of Garten Station	Highland	excellent	other Highland Railway station
27216	not identified	not identified	la		Edinburgh Leith lamp pillar 2	Tower Place	Edinburgh Leith	good	presumably originally elsewhe
26165	not identified	not identified	la		Langholm Town Hall lamp bracket	Town Hall	Galloway	good	obvious identifying marks ... no
28639	not identified	not identified	la		Bo'ness Birkhill Station lamps 2	Birkhill Station	Bo'ness Falkirk	good	location not identified ... photo
27893	not identified	not identified	la		Kelso lamp pillar 3	Wood Market	Kelso Scottish Borders	excellent	rainwater heads qv) ... photos
28638	not identified	not identified	la		Bo'ness Birkhill Station lamps 1	Birkhill Station	Bo'ness Falkirk	good	identified ... photo & note J Bo
26596	not identified	not identified	la		Glasgow street lamp pillar 7 (Maryhill)	formerly at People's Palace	Glasgow	unknown	outside the People's Palace, p
26000	not identified	not identified	la		Glasgow Ingram Street lamp pillars	Ingram Street	Glasgow	stable	possible that they date from or
27222	not identified	not identified	la		pillars	Cluny Gardens	Edinburgh	good	church (pillars perhaps older?)
25998	not identified	not identified	la		pillars	243 West George Street	Glasgow	good	? .... note & photos J Bolton 02
26125	not identified	not identified	la		Aberdeen Duthie lamp pillar	Park	Aberdeen	stable	06.2006
27791	not identified	not identified	la		Invershin station lamp bracket	Invershin Station	Bridge Highland	at risk	now derelict station building (o
28683	not identified	not identified	la		Glasgow Kirklee Road lamp pillar 1	Kirklee Road	Glasgow	good	photos & note J Bolton 06.200
26090	not identified	not identified	la		Rhu Yacht Club lodge lamp bracket	Yacht Club	Rhu Argyll & Bute	stable	lantern) ... note & photos J Bol
28536	not identified	not identified	la		Dollar lamp pillar 2	East Burnside	Clackmannanshire	good	presented to Dollar Burgh Cou
28564	not identified	not identified	la		Lochcarron station lamp bracket	Lochcarron Station	Lochcarron Highland	stable	station on same line ... photo &
26748	not identified	not identified	la		Haddington Academy lamp pillar	building	Lothian	stable	04.2007
									Macfarlane or Smith patterns .

27564	not identified	not identified	la		Galashiels Cornmill Square lamp pillars	Cornmill Square	Borders	good	development ... photos & note
25862	not identified	not identified	la		lamps	Dalmarnock Bridge	Glasgow	good	in 1997
28323	not identified	not identified	la		Dundee McManus Gallery lamp pillars	McManus Gallery	Dundee	stable	under major renovation ... pho
27428	not identified	not identified	la	65	Fraserburgh Saltoun Arms bracket lamp	Saltoun Square	Aberdeenshire	stable	Arms Hotel, also balcony railin
26013	not identified	not identified	la		lamps 2	Wales bridge	Glasgow	stable	date from bridge construction
28322	not identified	not identified	la		Dundee Murraygate lamp pillars	Murraygate	Dundee	good	'Ladbrokes' ... similar pillar bas
27406	not identified	not identified	la		Edinburgh Salisbury Road lamp pillars	Congregation Salisbury	Edinburgh	excellent	(renovated 2004) ... photos &
26166	not identified	not identified	la		Langholm Bridge parapet lamp	Langholm Bridge	Galloway	stable	on it as a journeyman (appren
26255	not identified	not identified	la		Gourock 'provost' lamp 2	House	Gourock Inverclyde	good	building and may not apply to
27889	not identified	not identified	la		Kelso lamp pillar 2	Abbey Row	Kelso Scottish Borders	stable	Bolton 05.2008
26012	not identified	not identified	la		lamps 1	Wales bridge	Glasgow	stable	bridge construction ... note & p
80	not identified	not identified	la		Stirling Municipal Offices lamp pillars	Municipal Offices	Stirling	excellent	.. no maker's marks ... note &
25890	not identified	not identified	la		pillar	Waverley Hotel	Borders	stable	driveway entrance have mode
26597	not identified	not identified	la		Glasgow street lamp pillar 8	formerly at People's Palace	Glasgow	unknown	lamp pillars outside the Peopl
28697	not identified	not identified	la		Glasgow Observatory Road lamp pillars	Observatory Road	Glasgow	good	photos & note J Bolton 06.200
27115	not identified	not identified	la		2	Lawnmarket	Edinburgh	good	dated on ladder rest ... photos
26381	not identified	not identified	la		Penang Espanade lamp pillars	Esplanade	Malaysia	stable	Trolley-bus poles (cf Crich Mu
28213	not identified	not identified	la		Peebles lamp pillars 3	Tweed Bridge (South end of)	Borders	excellent	access to Caledonian Railway
26646	not identified	not identified	la		Manchester Albert Square lamp pillars 2	Albert Square	Manchester	good	Memorial ... no indication of S
27301	not identified	not identified	la		Dunblane lamp bracket	Burgh Chambers The Cross	Dunblane Stirlingshire	good	01.2008
27302	not identified	not identified	la		Dunblane lamp pillar	Dunblane Cathedral	Dunblane Stirlingshire	good	photos & note J Bolton 01.200
26305	not identified	not identified	la		Newtonmore Balavil Hotel lamp pillars	Balavil Hotel main street	Newtonmore Highland	good	photos J Bolton 08.2006 ... dc
27529	not identified	not identified	la		Glasgow Cresswell Street lamp pillars	Baptist Church	Glasgow	good	Bolton 04.2008
26151	not identified	not identified	la		Nottingham Wollaton lamp pillar	Museum	Nottingham	excellent	base, but no maker's name - p
27533	not identified	not identified	la		Glasgow Hillhead Street lamp pillar	Hillhead Street	Glasgow	good	single lamp pillar ... photos & r
27151	not identified	not identified	la		Upper Largo lamp pillars	Street A917	Upper Largo Fife	stable	note J Bolton 11.2007
26535	not identified	not identified	la		Paisley Town Hall bracket lamps	Town Hall	Paisley Renfrewshire	good	over entrance ... photo & note
27149	not identified	not identified	la		Stoke-on-Trent Hanley Park lamps	Hanley Park	Staffordshire	stable	condition, four on bridge over
27037	not identified	not identified	la		Crail lamp pillar	Crail Parish Church	Crail Fife	good	locally made ... photos & note
26963	not identified	not identified	la		Forres St Laurence Church lamp pillar	Street	Forres Moray	good	lamp pillar lamps at church en
28867	not identified	not identified	la		Errol / Dundee lamp pillars	former Errol Station	Kinross	good	former station, now shop & ca
28956	not identified	not identified	la		Onich Church lamp pillar	Church	Onich Highland	good	05.2006
27303	not identified	not identified	la		Dunblane parapet lamp pillar	Dunblane Station	Dunblane Stirlingshire	good	photos & note J Bolton 01.200
26585	not identified	not identified	la		Falkirk lamp pillars 2	Manse Road	Falkirk	stable	Church ... photos & note J Bol
28662	not identified	not identified	la		Glasgow Dundonald Road lamp pillar 2	Dundonald Road	Glasgow	good	photos & note J Bolton 06.200
28661	not identified	not identified	la		Glasgow Dundonald Road lamp pillar 1	Dundonald Road	Glasgow	good	photos & note J Bolton 06.200
26030	not identified	not identified	la		pillars	Queen Street	Edinburgh	good	vaguely ecclesiastical, ? move
27024	not identified	not identified	la		Weymouth lamp pillars 3	Alexandra Gardens	Weymouth Dorset	good	same date & maker as lamp p
26247	not identified	not identified	la		Dunoon 'provost' lamps	Town Hall	Dunoon Argyll & Bute	good	on buildings, lamps may have
107	not identified	not identified	la		Stirling Victoria Square lamp pillars	Victoria Square	Stirling	stable	2003
28684	not identified	not identified	la		Glasgow Kirklee Road lamp pillar 2	Kirklee Road	Glasgow	good	photos & note J Bolton 06.200
27033	not identified	not identified	la		Alloa Court House lamp pillars	Street	Clackmannanshire	good	photos & note J Bolton 10.20(
26488	not identified	not identified	la		Dunfermline 'provost' lamp	Kirkgate outside Town Hall	Dunfermline Fife	excellent	note & photos J Bolton 12.200
26584	not identified	not identified	la		Falkirk lamp brackets	Upper Newmarket Street	Falkirk	good	?Episcopal Church ... photo &
26583	not identified	not identified	la		Falkirk lamp pillars 1	Hope Street	Falkirk	good	Sheriff Court (now owned by a
27395	not identified	not identified	la		Edinburgh GPO lamp pillars	former GPO North Bridge	Edinburgh	excellent	(1862, revamped 1909) ... pho
26742	not identified	not identified	la		Galashiels church lamp pillars	Church Scott Street	Borders	stable	Bolton 05.2007
27174	not identified	not identified	la		Glasgow Claremont lamp pillars	Claremont Pass	Glasgow	poor	similar to Shotts lamps ... phot
28320	not identified	not identified	ot		Dundee vent pipe	East Camperdown Street	Dundee	good	photos & note J Bolton 03.200
27452	not identified	not identified	ot		Arbroath shop sign bracket	High Street PERT	Arbroath Angus	good	? ... photos & note J Bolton 04
27036	not identified	not identified	ot		Alloa sign bracket	High Street	Clackmannanshire	at risk	10.2007
27444	not identified	not identified	ot		Peterhead lamp pillar	Union Street harbour side	Aberdeenshire	good	photos & note J Bolton 04.200
									empty ... photos & note J Bolt

28555	not identified	not identified	ot		Ardrossan harbour lighthouse	Ardrossan Harbour	Ayrshire	good	harbour extension c1890 ... ph
28557	not identified	not identified	ot		Brodick Castle bench	Brodick Castle	Ayshire	good	Bolton 08.2009
28791	not identified	not identified	ot		Mull Torosay Castle sundial	Torosay Castle	Mull Argyll & Bute	excellent	photos & note J Bolton 05.199
28839	not identified	not identified	ot		staircase	Orkney Street	Glasgow Govan	excellent	Burgh Hall & Police Station ...
28361	not identified	not identified	ot		Bristol urinal plaque	Greenbank Cemetery	Bristol	not known	elsewhere in Bristol qv) ... info
28901	not identified	not identified	ot		Inverie stag target	Kilchoan	Highland	stable	photo & note J Bolton 06.2010
26142	not identified	not identified	ot		Arbuthnott House target stag	Arbuthnott House gardens	Aberdeenshire	good	Historical information would be
28554	not identified	not identified	ot		Ardrossan harbour lighthouse	Ardrossan Harbour	Ardrosssan	good	harbour extension 1895 ... phc
27249	not identified	not identified	ot		Edinburgh West-Bow Well door	Grassmarket	Edinburgh	good	1861 by Richardson Bros, Mer
101	not identified	not identified	ot	0	Stirling Spittal street urns	Spittal Street	Stirling	atable	Cast Iron Urns (pair)
27248	not identified	not identified	ot		panels	University Teviot Place	Edinburgh	good	courtyard ... photo & note J Bc
27908	not identified	not identified	ot		Kelso urn 2	Bridge Street	Kelso Scottish Borders	good	05.2008
26946	not identified	not identified	ot		Fochabers target stag	Gordon Arms Hotel	Fochabers Moray	excellent	from main road .. cf similar sta
28856	not identified	not identified	ot		Kingsbarns Cambo House external stair	Cambo House	Kingsbarns Fife	good	before reconstruction of the hc
26256	not identified	not identified	ot		Greenock navigation marker	Esplanade - harbour end	Greenock Inverclyde	good	
27907	not identified	not identified	ot		Kelso urn 1	Ednam House Hotel	Kelso Scottish Borders	good	05.2008
26469	not identified	not identified	ot		Barnsley Royal Coat of Arms	Royal Hotel Royal Street	Yorkshire	excellent	& photo j Bolton 12.2006
28398	not identified	not identified	ra		Lerwick King Harald Street railings 08	King Harald Street	Lerwick Shetland	good	J Bolton 02.2009
28645	not identified	not identified	ra		Glasgow Belhaven Terrace railing 1	Western Road	Glasgow	excellent	photos & note J Bolton 06.200
28646	not identified	not identified	ra		Glasgow Belhaven Terrace railing 2	Western Road	Glasgow	excellent	photos & note J Bolton 06.200
26796	not identified	not identified	ra		Wick railing 04	Street, Northcote Street	Highland	good	note J Bolton 05.2004
96	not identified	not identified	ra		Stirling Snowdon Place railings	Snowdon Place	Stirling	at risk	Heavy cope stone movement .
27844	not identified	not identified	ra		Stranraer railings 03	Stoneykirk Road	Galloway	good	photos & note J Bolton 07.200
28968	not identified	not identified	ra		Oban railings	Ardconnel Terrace	Oban Argyll & Bute	good	06.2010
27856	not identified	not identified	ra		Stranraer railings 16	Victoria Place	Galloway	good	... photos & note J Bolton 07.2
28396	not identified	not identified	ra		Lerwick King Harald Street railings 06	King Harald Street	Lerwick Shetland	good	photos & note J Bolton 02.200
27838	not identified	not identified	ra		Newton Stewart roof cresting 1	Bowling Club Church Street	Dumfries & Galloway	stable	07.2008
27854	not identified	not identified	ra		Stranraer railings 13	Lochryan Street	Galloway	good	railing only) ... photos & note J
28383	not identified	not identified	ra		Lerwick Burgh Road railings 05	Burgh Road	Lerwick Shetland	good	02.2009
488	not identified	not identified	ra		Melrose railings	not identified	Borders	poor	info)... similar railings exist in E
25946	not identified	not identified	ra		Birnam railings	Perth Road	Perthshire & Kinross	good	... photos J Bolton 02.2006
25926	not identified	not identified	ra		railing 4	41 Craigmillar Park	Edinburgh	stable	02.2006
28399	not identified	not identified	ra		Lerwick King Harald Street railings 09	King Harald Street	Lerwick Shetland	good	note J Bolton 02.2009
28640	not identified	not identified	ra		Bo'ness railing 4	Linlithgow Road	Bo'ness Falkirk	good	originals ... standard matches
28382	not identified	not identified	ra		Lerwick Burgh Road railings 04	Burgh Road	Lerwick Shetland	good	02.2009
27884	not identified	not identified	ra		Hawick railings 1	High Street	Borders	good	& note J Bolton 06.2008
27849	not identified	not identified	ra		Stranraer railings 08	Lewis Street	Galloway	good	... photos & note J Bolton 07.2
94	not identified	not identified	ra	0	Stirling Smith Gallery railings	Road	Stirling	at risk	Art Gallery and Museum. Requ
28862	not identified	not identified	ra		Balbeggie railing	A 94	& Kinross	good	Bolton 27.03.10
26777	not identified	not identified	ra		Fort William railing 2	'Rostrevor' Achintore Road	Fort William Highland	good	unmarked railings ... photos &
26391	not identified	not identified	ra		railings 4	Church Street	Malaysia	stable	which appears not to be of Ma
27676	not identified	not identified	ra		Wigtown Town Hall railing	Town Hall	Galloway	excellent	recent replacements ... photos
28654	not identified	not identified	ra		Glasgow Dowanside Road railing	Dowanside Road	Glasgow	good	photos & note J Bolton 06.200
500	not identified	not identified	ra		Stirling railings 3	Weaver Row	Stirling	stable	example and design - many ar
28902	not identified	not identified	ra		Fortrose railing & gate 2	High Street	Fortrose Highland	good	several maker's ... photos & nc
26779	not identified	not identified	ra		Fort William railing 4	'En Suite' Achintore Road	Fort William Highland	good	note J Bolton 05.2006
26780	not identified	not identified	ra		Fort William railing 5	Street	Fort William Highland	good	unmarked railings .... photos &
28392	not identified	not identified	ra		Lerwick King Harald Street railings 02	King Harald Street	Lerwick Shetland	good	note J Bolton 02.2009
26781	not identified	not identified	ra		Fort William railing 6	Road	Fort William Highland	good	05.2006
27861	not identified	not identified	ra		Stranraer railings 15	Lochryan Street	Galloway	good	... photos & note J Bolton 07.2
28379	not identified	not identified	ra		Lerwick Burgh Road railings 0!	Burgh Road	Lerwick Shetland	good	exists as a grave railing in Wic
28899	not identified	not identified	ra		Dumbarton roof cresting	Glasgow Road	Dunbartonshire	good	Bolton 06.2010
									photos & note J Bolton 06.200

28651	not identified	not identified	ra		Glasgow Crown Road S railing	Crown Road South	Glasgow	good	photos & note J Bolton 06.200
26821	not identified	not identified	ra		Tywyn railing 2	High Street	Wales	excellent	no reason to be necessarily S
28102	not identified	not identified	ra		Stornoway Goathill Road (O) railings	Goathill Road	Western Isles	good	... pattern No 29 in Council Su
27828	not identified	not identified	ra		Newton Stewart railings 1	Church Street	Dumfries & Galloway	stable	07.2008
28648	not identified	not identified	ra		Glasgow Bowmont Terrace railing 2	Bowmont Terrace	Glasgow	good	photos & note J Bolton 06.200
26816	not identified	not identified	ra		Betws-y-Coed railings (& gates)	Bryn Mawr Chapel A5	Wales	stable	possibly by George Smith & C
27885	not identified	not identified	ra		Hawick railings 2	Kirkstile St Mary's Church	Borders	stable	what did they look like ? ... ph
28900	not identified	not identified	ra		Inverie grave railing	Kilchoan	Highland	stable	J Bolton 06.2010
27962	not identified	not identified	ra		Stornoway Matheson Road (H) railing	Street	Western Isles	good	note J Bolton 06.2008 ... railin
28435	not identified	not identified	ra		Lerwick Hillhead railings 06	Hillhead	Lerwick Shetland	good	unidentified railing ... photos &
28046	not identified	not identified	ra		Stranraer roof railing 2	Lewis Street	Galloway	good	photos & note J Bolton 09.200
28433	not identified	not identified	ra		Lerwick Hillhead railings 04	Hillhead	Lerwick Shetland	good	unidentified railing ... photos &
28432	not identified	not identified	ra		Lerwick Hillhead railings 03	Hillhead	Lerwick Shetland	good	indecipherable on bottom rail .
25877	not identified	not identified	ra		Hamilton Ferniegair railing	main street Ferniegair (A72)	Lanarkshire	at risk	next to Old School ... note & p
28482	not identified	not identified	ra		Campbeltown grave railings 03	Kilkerran Road Cemetery	Bute	stable	05.2007
28483	not identified	not identified	ra		Campbeltown grave railings 04	Kilkerran Road Cemetery	Bute	stable	surrounds from c1850 ... phot
28486	not identified	not identified	ra		Campbeltown grave railings 07	Kilkerran Road Cemetery	Bute	stable	J Bolton 05.2007
28487	not identified	not identified	ra		Campbeltown grave railings 08	Kilkerran Road Cemetery	Bute	stable	Bolton 05.2007
28489	not identified	not identified	ra		Campbeltown High Street cresting 01	Way	Bute	stable	q.v. & still for sale after at leas
28490	not identified	not identified	ra		Campbeltown High Street cresting 02	Way	Bute	stable	... photos & note updated J Bo
26456	not identified	not identified	ra		Sunderland Mowbray Gardens railings	Mowbray Gardens	Wear	good	of gardens, no apparent make
28430	not identified	not identified	ra		Lerwick Hillhead railings 0!	Hillhead	Lerwick Shetland	good	02.2009
28039	not identified	not identified	ra		Stranraer railings 28	Royal Crescent	Galloway	good	& note J Bolton 09.2008
28426	not identified	not identified	ra		Lerwick St Olaf Street railings 22	St Olaf Street	Lerwick Shetland	good	note J Bolton 02.2009
28425	not identified	not identified	ra		Lerwick St Olaf Street railings 21	St Olaf Street	Lerwick Shetland	good	note J Bolton 02.2009
28510	not identified	not identified	ra		Glasgow Coopers balcony railing 1	Street	Glasgow	stable	Store, also lower balcony railir
28511	not identified	not identified	ra		Glasgow Coopers balcony railing 2	Street	Glasgow	stable	tower balcony railings & roof te
28424	not identified	not identified	ra		Lerwick St Olaf Street railings 20	St Olaf Street	Lerwick Shetland	good	photos & note J Bolton 02.200
28421	not identified	not identified	ra		Lerwick St Olaf Street railings 17	St Olaf Street	Lerwick Shetland	good	... photos & note J Bolton 02.2
28514	not identified	not identified	ra		railing	Western Road	Glasgow	good	also stair balusters q.v. ... pho
28515	not identified	not identified	ra		balustrade	Western Road	Glasgow	good	note J Bolton 05.2008
28516	not identified	not identified	ra		Glasgow Belmont Crescent railings 1	Belmont Crescent	Glasgow	good	... photos & note J Bolton 05.2
28517	not identified	not identified	ra		balusters	Belmont Crescent	Glasgow	good	Bolton 05.2008
28518	not identified	not identified	ra		Glasgow Belmont Street railings	Belmont Street	Glasgow	good	photos & note J Bolton 05.200
28519	not identified	not identified	ra		Glasgow Glasgow Street railing	Glasgow Street	Glasgow	good	photos & note J Bolton 05.200
28491	not identified	not identified	ra		Campbeltown High Street gate panel	Way	Bute	stable	ironwork q.v. & still for sale aft
25843	not identified	not identified	ra		Dumfries Buccleugh Street railing	Buccleugh Street	Galloway	stable	Clydesdale Bank 01.2006:
26510	not identified	not identified	ra		Larbert railing 1	Main Street	Stirlingshire)	good	01.2007
28443	not identified	not identified	ra		Lerwick Harbour Street railings 01	Harbour Street	Lerwick Shetland	poor	examples elsewhere in town &
28009	not identified	not identified	ra		Moniaive school railing	Chapel Street	Galloway	good	note J Bolton 09.2008
28451	not identified	not identified	ra		Lerwick Twageos Road railings	Twageos Road	Lerwick Shetland	good	Wales advertised a similar rail
28954	not identified	not identified	ra		Kilchenzie grave railing	Kilchenzie Cemetery	Campbeltown Argyll &	stable	05.2010
28889	not identified	not identified	ra		Edinburgh George Hotel railing	George Hotel George Street	Edinburgh	good	04.2010
28441	not identified	not identified	ra		Lerwick Ronald Street railings 02	Ronald Street	Lerwick Shetland	stable	J Bolton 02.2009
26554	not identified	not identified	ra		Bo'ness railing 2	Links Road (Ballantine's)	Bo'ness Falkirk	excellent	Ballantine's yard ... note & ph
26556	not identified	not identified	ra		Glasgow Carlton Place railing 2	Carlton Place	Glasgow Laurieston	excellent	... photos & note J Bolton 01.2
26557	not identified	not identified	ra		Glasgow Carlton Place railing 1	Carlton Place	Glasgow Laurieston	excellent	poor condition in 1992 .. perha
27997	not identified	not identified	ra		St John's Town of Dalry railing 5	Scotland	Dumfries & Galloway	good	butting within hand rail clips ...
27996	not identified	not identified	ra		St John's Town of Dalry railing 4	Main Street	Dumfries & Galloway	excellent	note J Bolton 09.2008
28436	not identified	not identified	ra		Lerwick Hillhead railings 07	Hillhead	Lerwick Shetland	good	unidentified railing ... photos &
27994	not identified	not identified	ra		St John's Town of Dalry railing 2	Main Street	Dumfries & Galloway	good	09.2008
28040	not identified	not identified	ra		Stranraer railings 29	Royal Crescent	Galloway	good	photos & note J Bolton 09.200
									given as 'Quendale' not identif

28034	not identified	not identified	ra		Stranraer railings 23	Lewis Street	Galloway	good	same pattern exists in the gra
28035	not identified	not identified	ra		Stranraer railings 24	Lochryan Street	Galloway	good	exists in Wick ... photos & note
28438	not identified	not identified	ra		Lerwick Hillhead railings 09	Hillhead Gladstone Terrace	Lerwick Shetland	good	J Bolton 02.2009
28036	not identified	not identified	ra		Stranraer railings 25	Victoria Place	Galloway	good	Stair Drive ... photos & note J
28037	not identified	not identified	ra		Stranraer railings 26	Stair Drive	Galloway	good	properties ... pattern also at Vi
28437	not identified	not identified	ra		Lerwick Hillhead railings 08	Hillhead	Lerwick Shetland	good	photos & note J Bolton 02.200
28524	not identified	not identified	ra		gates	Western Road	Glasgow	excellent	photos & note J Bolton 05.200
27995	not identified	not identified	ra		St John's Town of Dalry railing 3	Main Street	Dumfries & Galloway	excellent	09.2008
28405	not identified	not identified	ra		Lerwick St Olaf Street railings 0!	St Olaf Street	Lerwick Shetland	good	note J Bolton 02.2009
28522	not identified	not identified	ra		Glasgow Hillhead Street railing 6	Hillhead Street	Glasgow	good	photos & note J Bolton 05.200
28063	not identified	not identified	ra		Edinburgh Church Hill railings 3	Abbotsford Park	Edinburgh	good	baluster railings ... photos & n
28064	not identified	not identified	ra		Edinburgh Church Hill railings 2	Morningside Road	Edinburgh	good	photos & note J Bolton 09.200
28580	not identified	not identified	ra		Dunbar railings	Countess Street	Dunbar East Lothian	good	unmarked railings ... photo & r
28065	not identified	not identified	ra		Edinburgh Church Hill gate 2	Morningside Road	Edinburgh	good	Bolton 09.2008
28414	not identified	not identified	ra		Lerwick St Olaf Street railings 10	St Olaf Street	Lerwick Shetland	good	note J Bolton 02.2009
28411	not identified	not identified	ra		Lerwick St Olaf Street railings 07	St Olaf Street	Lerwick Shetland	good	note J Bolton 02.2009
28408	not identified	not identified	ra		Lerwick St Olaf Street railings 04	St Olaf Street	Lerwick Shetland	good	note J Bolton 02.2009
28406	not identified	not identified	ra		Lerwick St Olaf Street railings 02	St Olaf Street	Lerwick Shetland	good	note J Bolton 02.2009
28603	not identified	not identified	ra	92	Acharacle grave railing 2	Cemetery	Acharacle Highland	stable	dated 1922 ... photo & note J E
28604	not identified	not identified	ra		Acharacle grave railing 3	Cemetery	Acharacle Highland	excellent	Bolton 06.2009
28605	not identified	not identified	ra		Acharacle grave railing 4	Cemetery	Acharacle Highland	stable	unmarked ... photo & note J B
27914	not identified	not identified	ra		Stornoway James Street roof railing	James Street	Western Isles	stable	railings ... photos & note J Boll
28081	not identified	not identified	ra		Stornoway Goathill Road (B) railings	Goathill Road	Western Isles	good	Bolton 06.2008 ... pattern No 9
26699	not identified	not identified	ra		North Queensferry Northcliff railing	Northcliff	Fife	stable	gates q.v... orig info A Davey .
28404	not identified	not identified	ra		Lerwick King Harald Street railings 14	King Harald Street	Lerwick Shetland	good	note J Bolton 02.2009
28402	not identified	not identified	ra		Lerwick King Harald Street railings 12	King Harald Street	Lerwick Shetland	good	note J Bolton 02.2009
26743	not identified	not identified	ra		Galashiels Scott Street railings 1	Scott Street	Borders	stable	entrance ... photos & note J B
28612	not identified	not identified	ra		Edinburgh Salisbury Place roof railing	Salisbury Place	Edinburgh	at risk	Historic Scotland HQ) ... photo
28401	not identified	not identified	ra		Lerwick King Harald Street railings 11	King Harald Street	Lerwick Shetland	good	note J Bolton 02.2009
26753	not identified	not identified	ra		Glasgow Eastern Necropolis railings	Gallowgate	Glasgow Bridgeton	good	marks .. note & photos J Bolto
26754	not identified	not identified	ra		Glasgow East Park railings	Gallowgate	Glasgow Maryhill	good	J Bolton 04.2007
26755	not identified	not identified	ra		Glasgow Botanic Gardens railings	Margaret Drive	Glasgow	good	photo ? 'Andrew Smith Patent'
28625	not identified	not identified	ra		Plockton Tigh-an-Fhaing railings	Street	Plockton Highland	good	B ... photos & note J Bolton 06
26760	not identified	not identified	ra		Langholm railings	Ashley Bank House	Galloway	good	unmarked mainly wall-top railir
26761	not identified	not identified	ra		Langholm gate	Ashley Bank House	Galloway	stable	pillars in substantial railings qv
28864	not identified	not identified	ra		Coupar Angus roof terminal	Town Hall	Perthshire & Kinross	good	although building has Macfarla
26723	not identified	not identified	ra		Selkirk Bannerfield House stair railings	Road A707	Borders	good	entrance gates ... photos & no
28548	not identified	not identified	ra		Shieldaig baluster railing	Main Street	Shieldaig Highland	good	previously used on e.g. interio
28400	not identified	not identified	ra		Lerwick King Harald Street railings 10	King Harald Street	Lerwick Shetland	good	note J Bolton 02.2009
25893	not identified	not identified	ra		Wick railing Bruan	Bruan Church	Highland (south of)	good	photos J Bolton 07.2004
28525	not identified	not identified	ra		Glasgow Queen Margaret Road railing	Queen Margaret Road	Glasgow	good	note J Bolton 05.2008
28526	not identified	not identified	ra		Glasgow University Gardens balconettes	University Gardens	Glasgow	excellent	note J Bolton 05.2008
28418	not identified	not identified	ra		Lerwick St Olaf Street railings 14	St Olaf Street	Lerwick Shetland	good	railing thought to have been a
28527	not identified	not identified	ra		Glasgow Southpark Avenue railings 1	Southpark Avenue	Glasgow	good	... photos & note J Bolton 05.2
28529	not identified	not identified	ra		Glasgow Southpark Avenue railings 3	Southpark Avenue	Glasgow	good	... photos & note J Bolton 05.2
28530	not identified	not identified	ra		Glasgow Southpark Terrace balconette	Southpark Avenue	Glasgow	good	05.2008
28417	not identified	not identified	ra		Lerwick St Olaf Street railings 13	St Olaf Street	Lerwick Shetland	good	note J Bolton 02.2009
28537	not identified	not identified	ra		Dollar railing	Bridge Street	Clackmannanshire	good	no maker's name apparent ...
28055	not identified	not identified	ra		Musselburgh Newhailes balustrade	Newhailes House (NTS)	Lothian	poor	subject to a policy of 'conserva
27937	not identified	not identified	ra		Stornoway Lewis Street railings 4	Lewis Street	Western Isles	stable	... photos & note J Bolton 06.2
28062	not identified	not identified	ra		Edinburgh Church Hill railings 1	Newbattle Terrace	Edinburgh	good	Napier University ... photos &
28545	not identified	not identified	ra		Dalkeith roof railing	Abbey Road	Dalkeith Midlothian	good	?locally made e.g. by Mushet?
									damaged ... photos & note J B

28566	not identified	not identified	ra		Cumnock balcony railing	Bank Lane	Ayrshire	stable	note J Bolton 07.2008
28570	not identified	not identified	ra		Cumnock church railings	Auchinleck Road	Ayrshire	good	... photos & note J Bolton 07.2
28056	not identified	not identified	ra		Musselburgh Newhailes window	Newhailes House (NTS)	Lothian	poor	astragal size' during refurb in '
27925	not identified	not identified	ra		Stornoway Church Street railing 3	Church Street	Western Isles	good	06.2008
27924	not identified	not identified	ra		Stornoway Church Street railing 2	Church Street	Western Isles	excellent	in Fort William q.v. ... photos &
27923	not identified	not identified	ra		Stornoway Church Street railing 1	Church Street	Western Isles	excellent	Bolton 06.2008
27920	not identified	not identified	ra		Stornoway Garden Road railing 2	Garden Road	Western Isles	excellent	& note J Bolton 06.2008
28058	not identified	not identified	ra		Musselburgh roof railing	Mountjoy Terrace	Lothian	excellent	house ... photos & note J Bolt
27936	not identified	not identified	ra		Stornoway Lewis Street railings 3	Lewis Street	Western Isles	stable	examples with different railings
27567	not identified	not identified	ra		Brora railings 2	A9 north	Brora Highland	stable	town centre ... heavily strappe
26260	not identified	not identified	ra		Greenock Esplanade railing 2	Esplanade - west end	Greenock Inverclyde	good	note & photos J Bolton 08.20
26261	not identified	not identified	ra		Greenock Esplanade railing 3	Gow memorial	Greenock Inverclyde	excellent	Bolton 08.2006
26262	not identified	not identified	ra		Greenock Esplanade railing 4	Gow memorial	Greenock Inverclyde	excellent	J Bolton 08.2006
50	not identified	not identified	ra		Memorial	Holyrude Cemetery	Stirling	good	ground ... good quality exampl
26263	not identified	not identified	ra		Greenock Esplanade railing 5	memorial	Greenock Inverclyde	excellent	Memorial ... note & photo J Bo
27566	not identified	not identified	ra		Brora railings 1	A9 north	Brora Highland	good	properties on main road north
27221	not identified	not identified	ra		Edinburgh Morningside railing	Belhaven Place Morningside	Edinburgh	good	(now re-developed as flats) ...
27235	not identified	not identified	ra		Aberlady balcony railing	Main Street A198	Aberlady East Lothian	good	photo & note J Bolton 12.200
26135	not identified	not identified	ra		Aberdeen Esslemont Avenue railings 1	Aberdeen Grammar School	Aberdeen	excellent	apparent maker's marks ... not
27568	not identified	not identified	ra		Brora railings 3	A9 north	Brora Highland	at risk	later used as Council offices, r
27571	not identified	not identified	ra		Stornoway Goathill Road (S) railing	Goathill Road	Western Isles	good	same pattern at Brora q.v. ... p
27227	not identified	not identified	ra		Edinburgh Calton Hill railing 2	Memorial	Edinburgh	good	1828) ... memorial by Sir Willia
27572	not identified	not identified	ra		Halkirk railings 2	village	Highland	good	former station ... same pattern
27573	not identified	not identified	ra		Halkirk railings 3	village	Highland	good	pattern exists in Wick q.v. ... p
27224	not identified	not identified	ra		railings	Broughton Road	Edinburgh	at risk	photos & note J Bolton 12.200
27135	not identified	not identified	ra		Great Malvern railing 2	Terrace	Hereford & Worcester	good	remedial strapping ... photos &
27236	not identified	not identified	ra		Aberlady Lodge railings	Main Street A198	Aberlady East Lothian	good	photos & note J Bolton 04.200
27257	not identified	not identified	ra		Edinburgh George Square railings	George Square	Edinburgh	good	with plain tops & external with
26251	not identified	not identified	ra		Dunoon Victoria Road railings 1	Victoria road	Dunoon Argyll & Bute	good	angles to gradient ... note & ph
27267	not identified	not identified	ra		Edinburgh Morningside roof railing 2	Morningside Park	Edinburgh	good	house ... possibly last survivor
27266	not identified	not identified	ra		Edinburgh Morningside roof railing 1	Millar Crescent	Edinburgh	good	photos & note J Bolton 10.20
26252	not identified	not identified	ra		Dunoon Victoria Road railings 2	Victoria Road	Dunoon Argyll & Bute	stable	photos J Bolton 08.2006
27550	not identified	not identified	ra		Melrose Corn Exchange balcony railing	Square	Borders	excellent	building ... photos & note J Bo
27551	not identified	not identified	ra		Galashiels High Street balcony railings 1	High Street	Borders	good	photos & note J Bolton 05.200
26137	not identified	not identified	ra		Aberdeen Esslemont Avenue railings 3	Esslemont Avenue	Aberdeen	stable	designs in row (q.v.) ... note &
28168	not identified	not identified	ra	53	Newcastle Brandling balcony railing 3	Brandling Park	Newcastle on Tyne	good	... appears to be Macf railing N
27260	not identified	not identified	ra		Edinburgh Inverleith Row cresting	Inverleith Row	Edinburgh	good	Dunkeld qv) ... photos & note ,
28927	not identified	not identified	ra		Campbeltown Airdaluinn cresting 01	Airdaluinn High Askomil	Bute	excellent	building ... photos & note J Bo
26136	not identified	not identified	ra		Aberdeen Esslemont Avenue railings 2	Esslemont Avenue	Aberdeen	stable	designs in row (q.v.) ... note &
27255	not identified	not identified	ra		Edinburgh Davidsons Mains railing	Cramond Road South	Edinburgh	good	name on bottom rail but indeci
27555	not identified	not identified	ra		Galashiels Library internal balcony railing	Lawyer's Brae	galashiels	excellent	balcony railings qv ... photos &
27253	not identified	not identified	ra		Edinburgh Cramond grave railing	Cramond Cemetery	Edinburgh Cramond	stable	note J Bolton 01.2008
27251	not identified	not identified	ra		Edinburgh NMS railing panel	Scotland Chambers Street	Edinburgh	excellent	display cabinet of ironwork ... i
27556	not identified	not identified	ra		Galashiels High Street roof railings	High Street	Borders	stable	roof edge railing ... photos & n
28167	not identified	not identified	ra		Newcastle Brandling balcony railing 2	Brandling Park	Newcastle on Tyne	good	... others appear to be by Mac
27553	not identified	not identified	ra		Galashiels Library balcony railing	Lawyer's Brae	galashiels	good	www.oldgalaclub.org ... also in
26311	not identified	not identified	ra		Sunderland Cemetery railings	Ryhope Road A1018	Wear	stable	from opening of cemetery ... n
27180	not identified	not identified	ra		Glasgow Royal Terrace railings 2	Royal Terrace	Glasgow	good	Bolton 11.2007
27179	not identified	not identified	ra		Glasgow Royal Terrace railings 1	Royal Terrace	Glasgow	good	Bolton 11.2007
28841	not identified	not identified	ra		Glasgow Hillington railing 2	Hillington Park Circus	Glasgow Hillington	excellent	terrace, in generally excellent
27609	not identified	not identified	ra		Ullapool railing 3	Street	Highland	good	06.2008
28150	not identified	not identified	ra		Pathhead Main Street railings	Main Street	Pathhead Midlothian	good	ww2) ... also gate fabricated fr
									modern replacements at time

28765	not identified	not identified	ra		Prestonpans grave railing	Churchyard	Lothian	good	rails ... photos & note J Bolton
25990	not identified	not identified	ra		Glasgow Great Western Road railings 2	Western Rd	Glasgow	good	Great Western Terrace q.v. ...I
26087	not identified	not identified	ra		Helensburgh Camis Eskan railings	A814	Argyll & Bute	good	Gates themselves have been r
27811	not identified	not identified	ra		Drummore railings 4	Stair Street	Galloway	good	to, but not the same as, an uni
27625	not identified	not identified	ra		Glenluce railing 2	Main Street	Galloway	good	Bolton 07.2008
27138	not identified	not identified	ra		Ledbury balcony railing	High Street	Worcester	good	Scottish connection ... photo &
28980	not identified	not identified	ra		railings 01	Campbeltown Road	Tarbert Argyll & Bute	stable	photos & note J Bolton 05.201
27201	not identified	not identified	ra		Edinburgh Greenbank railing 2	Greenbank Terrace	Edinburgh	good	single balcony railing ... photos
26132	not identified	not identified	ra		Aberdeen Union terrace railings 1	opposite Central Library	Aberdeen	good	.. no apparent maker's marks
27213	not identified	not identified	ra		Edinburgh Leith railing 2	Commercial Street	Edinburgh Leith	stable	properties, railing over some b
28926	not identified	not identified	ra		Campbeltown Rockbank balusters	Rockbank Low Askomil	Bute	excellent	Bolton 05.2010
26276	not identified	not identified	ra		Comrie railings (former church)	Dinira Street ?	Kinross	good	neat panel joints ... note & phc
27209	not identified	not identified	ra		railing	Balcarres Street	Edinburgh	stable	Bolton 02.2007
27589	not identified	not identified	ra		Broadford grave railing 2	B8083	Highland	stable	07.2008
27591	not identified	not identified	ra		Mallaig railing 2	Annies Brae	Mallaig Highland	good	Wick q.v. ... photos & note J B
27182	not identified	not identified	ra		Glasgow La Belle Place railings 2	La Belle Place	Glasgow	good	notes J Bolton 11.2007
27202	not identified	not identified	ra		Edinburgh Greenbank railing 3	Greenbank Terrace	Edinburgh	good	single balcony railing ... photos
423	not identified	not identified	ra		Edinburgh George IV Bridge railings	George IV Bridge	Edinburgh	good	The castings have no visible m
27200	not identified	not identified	ra		Edinburgh Greenbank railing 1	Greenbank Terrace	Edinburgh	good	photos & note J Bolton 02.200
28256	not identified	not identified	ra		Beamish Museum Masonic Hall railing	Hall	Beamish Durham	excellent	Sunderland from 1868 ... railin
27194	not identified	not identified	ra		Gateside railing	Main Road A91	Gateside Fife	good	condition but with a number of
26282	not identified	not identified	ra		St Fillans A82 railing 2	A82 nr Four Seasons Hotel	Kinross	good	pavement level! (also ?replace
27191	not identified	not identified	ra		St Andrews railing 3	The Scores	St Andrews Fife	good	unmarked railings ... photos &
27190	not identified	not identified	ra		St Andrews railing 2	The Scores	St Andrews Fife	good	12.2007
28245	not identified	not identified	ra		Glasgow Hamilton Avenue roof railing	Hamilton Avenue	Glasgow	good	Urquart 01.2009
27203	not identified	not identified	ra		Edinburgh Cameron Toll railing	Old Dalkeith Road	Edinburgh	good	... photos & note J Bolton 02.2
27350	not identified	not identified	ra		Edinburgh Leith Academy railings	Building	Edinburgh Leith	excellent	Margaret University College in
27491	not identified	not identified	ra		Greenock railing 8	Brougham Street	Greenock Inverclyde	stable	04.2008
27492	not identified	not identified	ra		Greenock railing 9	Brougham Street	Greenock Inverclyde	stable	Bolton 04.2008
28209	not identified	not identified	ra		St Lucia Castries library railings	Derek Walcott Square	West Indies	good	... photos & note J Bolton 12.2
28207	not identified	not identified	ra		Dominica Roseau balconies 4	The Bay Front (parallel to)	West Indies	good	connection ... photos & note J
28206	not identified	not identified	ra		Dominica Roseau balconies 3	The Bay Front (parallel to)	West Indies	good	note J Bolton 12.2008
27355	not identified	not identified	ra		Edinburgh Queen St 20 railings	20 Queen Street	Edinburgh	excellent	... photos & note J Bolton 04.2
28171	not identified	not identified	ra	26	Cullercoats balcony railing 3	Beverley Terrace ?	Northumberland	good	cat c1882, but heavier & other
27351	not identified	not identified	ra		Edinburgh Playfair Steps handrail	Playfair Steps The Mound	Edinburgh	good	by Locke q.v.) ... marked 1828
28232	not identified	not identified	ra		Peebles window screen		Borders	good	... photos & note J Bolton 12.2
27348	not identified	not identified	ra		Edinburgh Princes Street balcony railings	Island'	Edinburgh	good	04.2006
26204	not identified	not identified	ra		Muir-of-Ord railings	A862 south	Muir-of-Ord Highland	good	replacement .. note & photos J
28201	not identified	not identified	ra		Tortola Road Town railings 3	Grave Yard Main Street	West Indies	stable	British) examples ... photos &
28200	not identified	not identified	ra		Tortola Road Town railings 2	Main Street	West Indies	stable	unmarked ... photos & note J E
27344	not identified	not identified	ra		Edinburgh Leith railing 3	Constitution Street	Edinburgh Leith	excellent	... photos & note J Bolton 11.2
27341	not identified	not identified	ra		Edinburgh Meadows railing 2	Infirmary	Edinburgh	good	Infirmary site, under redevelop
28199	not identified	not identified	ra		Tortola Road Town railings 1	Governor's House Museum	West Indies	good	transferred to Governor's Hous
28205	not identified	not identified	ra		Dominica Roseau balconies 2	King George V Street	West Indies	excellent	... photos & note J Bolton 12.2
27392	not identified	not identified	ra		Edinburgh Dunard House railing	Dunard House Pitsligo Road	Edinburgh	excellent	property ... see also same patt
26175	not identified	not identified	ra		Cromarty Police Station railing 2	Police Station Bank Street	Cromarty Highland	good	photos j Bolton 08.2006
26176	not identified	not identified	ra		Cromarty railing 3	off Shore Street	Cromarty Highland	stable	J Bolton 08.2006
27435	not identified	not identified	ra		Fraserburgh railings 4	King Edward Street	Aberdeenshire	good	qv ... it appears that although t
26184	not identified	not identified	ra		Dingwall A834 railing 2	A 834 Burn Place	Dingwall Highland	good	Bolton 08.2006
27439	not identified	not identified	ra		Fraserburgh railings 8	King Edward Street	Aberdeenshire	good	qv ... it appears that although t
27447	not identified	not identified	ra		Carnoustie balcony railings 1	Dundee Street ?	Carnoustie Angus	good	photos & note J Bolton 04.200
28231	not identified	not identified	ra		Peebles roof railing	Northgate ?	Borders	good	photos & note J Bolton 12.200
									in terrace ... similar at Inverleit

27468	not identified	not identified	ra		Blairgowrie railings 4	Balmoral Road	& Kinross	excellent	& note J Bolton 04.2008, upda
27473	not identified	not identified	ra		Rhynie War Memorial railing	The Square	Rhynie Aberdeenshire	excellent	... photos & note J Bolton 04.2
27474	not identified	not identified	ra		Rhynie railing 1	South Street A97	Rhynie Aberdeenshire	good	Bolton 04.2008
27475	not identified	not identified	ra		Rhynie railing 2	A97 south of village	Rhynie Aberdeenshire	excellent	'Reg No 220489 No 35' in styl
28191	not identified	not identified	ra		railings	Church Street	West Indies	poor	Scottish connection ... church
26189	not identified	not identified	ra		Dingwall Free Church railing 1	High Street	Dingwall Highland	good	D D, dated 1886, in church gr
27284	not identified	not identified	ra		Edinburgh Newington railing 1	Preston Street	Edinburgh	good	photos & note J Bolton 02.200
27338	not identified	not identified	ra		Edinburgh South Bridge railing	South Bridge	Edinburgh	good	photos & note J Bolton 02.200
27527	not identified	not identified	ra		Glasgow Cresswell Street railings 1	Cresswell Street	Glasgow	good	unmarked railing ... photos & r
327	not identified	not identified	ra		Stirling Spittal Street railings	Allans School Spittal Street	Stirling	poor	refurbishment and re-painting
41	not identified	not identified	ra		Stirling Balmoral Place railings	Balmoral Place	Stirling	poor	DSM c2003
328	not identified	not identified	ra		Stirling Bannockburn Church railings	Road	Stirling Bannockburn	fair	missing c2003 (DSM) ... photo
27534	not identified	not identified	ra		Glasgow Hillhead Street railing 1	Hillhead Street	Glasgow	good	Great George Street qv ... pho
27289	not identified	not identified	ra		Doune railings & gates	Deanston House	Doune Stirlingshire	excellent	date on masonry ... photos & r
27306	not identified	not identified	ra		Dunblane balcony railing	Perth Road	Dunblane Stirlingshire	good	spiral stair also ... photos & no
28928	not identified	not identified	ra		Campbeltown Airdaluinn cresting 02	Airdaluinn High Askomil	Bute	excellent	building ... photos & note J Bo
27524	not identified	not identified	ra		railing	Western Road	Glasgow	good	panels ... photos & note J Bolt
27535	not identified	not identified	ra		Glasgow Hillhead Street railing 2	Hillhead Street	Glasgow	good	04.2008
27536	not identified	not identified	ra		Glasgow Hillhead Street railing 3	Hillhead Street	Glasgow	good	... photos & note J Bolton 04.2
27537	not identified	not identified	ra		Glasgow Hillhead Street railing 4	Hillhead Street	Glasgow	good	photos & note J Bolton 04.200
28826	not identified	not identified	ra		Carlisle Station railings	Railway Station	Carlisle Cumbria	good	necessarily Scottish ... photos
27544	not identified	not identified	ra		Selkirk Ettrick Terrace railing 2	House	Borders	stable	& note J Bolton 11.2005
27546	not identified	not identified	ra		Selkirk Hillside Terrace balcony railing	Hillside Terrace	Borders	good	windows ... photo & note J Bol
28761	not identified	not identified	ra		Prestonpans roof railing	Preston Road	Lothian	good	Bolton 11.2009
27286	not identified	not identified	ra		Callander hotel railings	A84 Roman Camp Hotel	Callander Stirlingshire	stable	photos & note J Bolton 01.20
27319	not identified	not identified	ra		Edinburgh Mayfield railings 3	Mayfield Gardens	Edinburgh	good	of foundries ... photos & note
26138	not identified	not identified	ra		Aberdeen Esslemont Avenue railings 4	Esslemont Avenue	Aberdeen	stable	designs in row (q.v.) ... note &
27328	not identified	not identified	ra		railing 3	Craigmillar Park	Edinburgh	good	note J Bolton 02.2007
27327	not identified	not identified	ra		railing 2	Craigmillar Park	Edinburgh	good	Bolton 02.2007
27325	not identified	not identified	ra		Edinburgh Mayfield railings 9	Bright's Crescent	Edinburgh	good	note J Bolton 02.2007
27324	not identified	not identified	ra		Edinburgh Mayfield railings 8	Bright's Crescent	Edinburgh	excellent	replacement ? ... photos & not
27323	not identified	not identified	ra		Edinburgh Mayfield railings 7	Mayfield Gardens	Edinburgh	good	Bolton 02.2007
27322	not identified	not identified	ra		Edinburgh Mayfield railings 6	Mayfield Gardens	Edinburgh	good	02.2007
27525	not identified	not identified	ra		Glasgow Ruskin Terrace railings	Western Road	Glasgow	good	J Bolton 04.2008
27320	not identified	not identified	ra		Edinburgh Mayfield railings 4	Mayfield Gardens	Edinburgh	good	02.2007
38	not identified	not identified	ra		Stirling Spittal Street railings	Spittal Street	Stirling	poor	and installed.
27318	not identified	not identified	ra		Edinburgh Mayfield railings 2	Mayfield Gardens	Edinburgh	good	photos & note J Bolton 02.200
27317	not identified	not identified	ra		Edinburgh Mayfield railings 1	Mayfield Gardens	Edinburgh	good	... photos & note J Bolton 02.2
28929	not identified	not identified	ra		Campbeltown Airdaluinn railing	Airdaluinn High Askomil	Bute	excellent	no gates ... photos & note J B
27520	not identified	not identified	ra		railing	Western Road	Glasgow	good	note J Bolton 04.2008
27310	not identified	not identified	ra		Edinburgh Newington railing 4	Minto Street	Edinburgh	excellent	02.2007
27309	not identified	not identified	ra		Edinburgh Newington railing 3	Minto Street	Edinburgh	excellent	& note J Bolton 02.2007
27308	not identified	not identified	ra		Edinburgh Newington railing 2	Minto Street	Edinburgh	excellent	window ... photos & note J Bol
27321	not identified	not identified	ra		Edinburgh Mayfield railings 5	Mayfield Gardens	Edinburgh	good	02.2007
26920	not identified	not identified	ra		Dundee balcony railing	Magdalene Yard Road	Dundee	excellent	Bolton 08.2007
26975	not identified	not identified	ra		Ardersier railing 1	B 9006	Ardersier Highland	good	note J Bolton 09.2007
27770	not identified	not identified	ra		Tain bank railing	Street	Highland	good	at Wigtown Town Hall q.v. ...pl
26935	not identified	not identified	ra		Edinburgh Milton Road railing	Milton Road East	Edinburgh	good	building ... photo & note J Bolt
28686	not identified	not identified	ra		Glasgow Kirklee Quadrant railing 2	Kirklee Quadrant	Glasgow	good	photos & note J Bolton 06.200
27774	not identified	not identified	ra		Tain church railing	Church Upper King Street	Highland	good	Bolton 06.2008
27775	not identified	not identified	ra		Tain railing 2	Council Offices High Street	Highland	excellent	& note J Bolton 06.2008
									also Macfarlane columns qv ...

26866	not identified	not identified	ra		Castle Douglas Ernspie Road railing 4	Ernspie Road A745	Dumfries & Galloway	good	07.2007
27778	not identified	not identified	ra		Tain railing 4	Brae	Highland	good	Church ... photos & note J Bol
27779	not identified	not identified	ra		Tain railing 5	Hartfield Street ?	Highland	good	Wick & Thurso q.v. ... photos &
26912	not identified	not identified	ra		Sanquhar railings 6	Glasgow Road	Galloway	stable	on frontages .... photos & note
28682	not identified	not identified	ra		Glasgow Kirklee Circus railing	Kirklee Circus	Glasgow	good	photos & note J Bolton 06.200
28952	not identified	not identified	ra		Old Kilpatrick grave railing 2	Old Kilpatrick Church	Dunbartonshire	poor	Bolton 05.2010
28694	not identified	not identified	ra		Glasgow Observatory Road railing 1	Observatory Road	Glasgow	good	photos & note J Bolton 06.200
28745	not identified	not identified	ra		Edinburgh Manor Road railings	Manor Road	Edinburgh	good	photos & note J Bolton 02.200
27745	not identified	not identified	ra		Thurso railing 4	Princes Street	Highland	good	Stromness q.v. ... possibly loc
27143	not identified	not identified	ra		Loanhead railing 3	Loanhead Road	Loanhead Midlothian	good	by a number of foundries ... pr
28911	not identified	not identified	ra		Roy Bridge grave railing 2	Cille Choirille Kirk	Bridge Highland	stable	posts ... photos & note J Bolto
27748	not identified	not identified	ra		Thurso railing 6	Duncan Street ?	Highland	stable	?CI with WI top rail ... photos &
26966	not identified	not identified	ra		Forres balcony railing	High Street Co-op building	Forres Moray	good	Co railings ... photos & note J
27749	not identified	not identified	ra		Stromness railing	RBS	Stromness Orkney	good	07.1993, note 08.2008
28687	not identified	not identified	ra		Glasgow Kirklee Quadrant railing 3	Kirklee Quadrant	Glasgow	good	photos & note J Bolton 06.200
28442	not identified	not identified	ra		Lerwick Harbour Street railings 02	Street	Lerwick Shetland	at risk	aluminium casting !! ... bar clo
28905	not identified	not identified	ra		Fortrose balcony railing 3	High Street	Fortrose Highland	good	photos & note J Bolton 06.201
25989	not identified	not identified	ra		Glasgow Great Western Road railings 1	Great Western Terrace	Glasgow	good	'Greek' Thomson ... this patter
25988	not identified	not identified	ra		Glasgow Royal Exchange railings	Royal Exchange	Glasgow	good	Royal Exchange ... railings an
25987	not identified	not identified	ra		Glasgow Ingram Street railings	Ingram Street	Glasgow	good	assumed to be from same dat
27759	not identified	not identified	ra		Tain hotel balcony railing	Royal Hotel High Street	Highland	stable	photo & note J Bolton 06.2008
28974	not identified	not identified	ra		Tighnabruaich The Grove balconette	The Grove	Bute	excellent	photos & note J Bolton 05.201
28971	not identified	not identified	ra		Tighnabruaich Anchorage House railing	Anchorage House	Bute	excellent	photos & note J Bolton 05.201
26950	not identified	not identified	ra		Nairn roof-edge railing	Leopold Street	Nairn Highland	good	& note J Bolton 09.2007
28695	not identified	not identified	ra		Glasgow Observatory Road railing 2	Observatory Road	Glasgow	good	photos & note J Bolton 06.200
28657	not identified	not identified	ra		Glasgow Dundonald Road railing 3	Dundonald Road	Glasgow	good	photos & note J Bolton 06.200
28659	not identified	not identified	ra		Glasgow Fortrose Street railing 2	Fortrose Street	Glasgow	good	photos & note J Bolton 06.200
27419	not identified	not identified	ra		Inverbervie railings 1	Montrose Road	Aberdeenshire	good	Bolton 04.2008
27420	not identified	not identified	ra		Inverbervie railings 2	Victoria Terrace	Aberdeenshire	good	Bolton 04.2008
27421	not identified	not identified	ra		Inverbervie railings 3	Victoria Terrace	Aberdeenshire	good	photos & note J Bolton 04.200
28658	not identified	not identified	ra		Glasgow Fortrose Street railing 1	Fortrose Street	Glasgow	good	photos & note J Bolton 06.200
26854	not identified	not identified	ra		4	Abercromby Road A713	Dumfries & Galloway	good	Bolton 07.2007
28363	not identified	not identified	ra		Haddington High Street shop cresting	High Street	Lothian	stable	Bolton 04.2009
26910	not identified	not identified	ra		Sanquhar railings 4	Glasgow Road	Galloway	good	Bolton 07.2007
26845	not identified	not identified	ra		Crawfordjohn railings	village centre	South Lanarkshire	stable	brought from elsewhere ? ... p
28660	not identified	not identified	ra		Glasgow Falkland Street railing	Falkland Street	Glasgow	good	photos & note J Bolton 06.200
27804	not identified	not identified	ra		Gatehouse of Fleet railing 1	Church Street	Dumfries & Galloway	good	pillars ... photos & note J Bolto
28656	not identified	not identified	ra		Glasgow Dundonald Road railing 2	Dundonald Road	Glasgow	good	photos & note J Bolton 06.200
27808	not identified	not identified	ra		Drummore railings 1	Street	Galloway	good	Bolton 07.2008
26840	not identified	not identified	ra		Edinburgh Seafield parapet railing	Seafield Road East	Edinburgh Portobello	stable	Bolton 07.2007
27809	not identified	not identified	ra		Drummore railings 2	Stair Street	Galloway	good	truncated version on front wall
28655	not identified	not identified	ra		Glasgow Dundonald Road railing 1	Dundonald Road	Glasgow	good	photos & note J Bolton 06.200
27810	not identified	not identified	ra		Drummore railings 3	Stair Street	Galloway	good	07.2008
26848	not identified	not identified	ra		Castle Douglas cemetery railing	Whitepark Road	Dumfries & Galloway	good	fence ... photos & note J Bolto
26892	not identified	not identified	ra		Kirkcudbright Tongland Road railings 2	Tongland Road A711	& Galloway	excellent	Bolton 07.2007
25994	not identified	not identified	ra		Glasgow Westbourne Gardens railings 3	Westboune Gardens W	Glasgow	good	02.2006
28970	not identified	not identified	ra		Tighnabruaich Tighnasith roof railing	Tighnasith	Bute	excellent	broadside railings ... photos &
28676	not identified	not identified	ra		Glasgow Kingsborough Gardens railing 1	Kingsborough Gardens	Glasgow	good	photos & note J Bolton 06.200
26902	not identified	not identified	ra		Kirkcudbright St Mary Street railings 08	St Mary Street	& Galloway	excellent	photos & note J Bolton 07.200
28674	not identified	not identified	ra		Glasgow Kew Terrace railing	Road	Glasgow	good	photos & note J Bolton 06.200
26900	not identified	not identified	ra		Kirkcudbright St Mary Street railings 06	St Mary Street	& Galloway	good	07.2007
									photos & note J Bolton 06.200

28903	not identified	not identified	ra		Fortrose railing & gate 3	High Street	Fortrose Highland	good	Bolton 06.2010
28664	not identified	not identified	ra		Glasgow Gardner Road railing 2	Gardner Road	Glasgow	good	photos & note J Bolton 06.200
28663	not identified	not identified	ra		Glasgow Gardner Road railing 1	Gardner Road	Glasgow	good	photos & note J Bolton 06.200
26884	not identified	not identified	ra		Kirkcudbright St Mary Street railings 04	St Mary Street	& Galloway	stable	church .... photos & note J Bol
28357	not identified	not identified	ra		Edinburgh Trinity balcony railings	South Trinity Road	Edinburgh Trinity	good	blocks (04.2009 one block has
28677	not identified	not identified	ra		Glasgow Kingsborough Gardens railing 2	Kingsborough Gardens	Glasgow	good	photos & note J Bolton 06.200
28670	not identified	not identified	ra		Glasgow Huntly Terrace railing	Huntley Terrace	Glasgow	excellent	photos & note J Bolton 06.200
28704	not identified	not identified	ra		Glasgow Princes Gardens railing 1	Princes Gardens	Glasgow	good	photos & note J Bolton 06.200
28291	not identified	not identified	ra		Inverness Ness Bank Church railings	Ness Bank	Inverness Highland	excellent	A Laing note J Bolton 02.2009
28708	not identified	not identified	ra		Glasgow Princes Terrace railing 2	Princes Gardens	Glasgow	good	photos & note J Bolton 06.200
28707	not identified	not identified	ra		Glasgow Princes Terrace railing 1	Princes Gardens	Glasgow	good	photos & note J Bolton 06.200
28706	not identified	not identified	ra		Glasgow Princes Gardens railing 3	Princes Gardens	Glasgow	good	photos & note J Bolton 06.200
27657	not identified	not identified	ra		Fort William railing 9	Street	Fort William Highland	good	crypt access ... photos & note
27092	not identified	not identified	ra		Glencorse Cemetery railings	A 701	Glencorse Midlothian	good	photos & note J Bolton 10.200
27658	not identified	not identified	ra		Fort William Royal Bank ironwork	High Street	Fort William Highland	good	date above doorway ... photos
28713	not identified	not identified	ra		Glasgow Redland Road railing	Redland Road	Glasgow	good	photos & note J Bolton 06.200
28705	not identified	not identified	ra		Glasgow Princes Gardens railing 2	Princes Gardens	Glasgow	good	photos & note J Bolton 06.200
27651	not identified	not identified	ra		Fort William balcony railing	High Street	Fort William Highland	good	J Bolton 07.2008
27077	not identified	not identified	ra		Dalkeith railing 2	Glenesk Crescent	Dalkeith Midlothian	good	note J Bolton 11.2007
27076	not identified	not identified	ra		Dalkeith railing 1	Eskbank Road	Dalkeith Midlothian	good	J Bolton 11.2007
27071	not identified	not identified	ra		West Linton railing	Carlops Road	Borders	stable	J Bolton 10.2007
28703	not identified	not identified	ra		Glasgow Queens Road lamp pillar	Queens Road	Glasgow	good	photos & note J Bolton 06.200
28702	not identified	not identified	ra		Glasgow Partickhill Road railing 4	Partickhill Road	Glasgow	good	photos & note J Bolton 06.200
27746	not identified	not identified	ra		Thurso railing 5	off Davidson's Lane	Highland	fair	have a Design Registration Ma
28842	not identified	not identified	ra		Glasgow Hillington railing 1	Berryknowes Road	Glasgow Hillington	good	... photos & note J Bolton 02.2
27090	not identified	not identified	ra		Dundee Morgan Academy railings	Pitkerro Road	Dundee	good	qv) ... photos & note J Bolton '
27646	not identified	not identified	ra		Fort William railing 7	Belford Road	Fort William Highland	good	photos & note J Bolton 07.200
28979	not identified	not identified	ra		Tarbert grave railing 2	Tarbert Cemetery	Tarbert Argyll & Bute	stable	railing in Campbeltown q.v. ...
28732	not identified	not identified	ra		Edinburgh Chester Street railing	Chester Street	Edinburgh	good	photos & note J Bolton 02.200
28978	not identified	not identified	ra		Tarbert grave railing 1	Tarbert Cemetery	Tarbert Argyll & Bute	stable	05.2010
27125	not identified	not identified	ra		Edinburgh Chambers Street railing	Chambers Street	Edinburgh	good	foundries ... photo & note J Bo
28730	not identified	not identified	ra		Edinburgh Atholl Place cresting	Atholl Place	Edinburgh	excellent	photos & note J Bolton 02.200
28726	not identified	not identified	ra		Glasgow Wilton Street railing	Woodland Road	Glasgow	good	photos & note J Bolton 06.200
28725	not identified	not identified	ra		Glasgow Woodlands Terrace railing	Woodlands Terrace	Glasgow	good	photos & note J Bolton 06.200
28712	not identified	not identified	ra		Glasgow Queens Road railing	Queens Road	Glasgow	good	photos & note J Bolton 06.200
28720	not identified	not identified	ra		Glasgow Saltoun Street railing 2	Saltoun Street	Glasgow	good	photos & note J Bolton 06.200
26056	not identified	not identified	ra		Southport promenade railings 1	Promenade nr Yacht Club	Southport Lancashire	excellent	Scottish ... note & photos J Bo
28719	not identified	not identified	ra		Glasgow Saltoun Street railing 1	Saltoun Street	Glasgow	good	photos & note J Bolton 06.200
27111	not identified	not identified	ra		Edinburgh Market Street balcony railings	Street	Edinburgh	good	former Cockburn Hotel ... phot
28717	not identified	not identified	ra		Glasgow Roxburgh Terrace railing 4	Roxburgh Terrace	Glasgow	good	photos & note J Bolton 06.200
27109	not identified	not identified	ra		Kirkintilloch roof railing 2	Town Hall ??	Dunbartonshire	stable	may be behind the Town Hall)
28716	not identified	not identified	ra		Glasgow Roxburgh Terrace railing 3	Roxburgh Terrace	Glasgow	good	photos & note J Bolton 06.200
28715	not identified	not identified	ra		Glasgow Roxburgh Terrace railing 2	Roxburgh Terrace	Glasgow	good	photos & note J Bolton 06.200
28714	not identified	not identified	ra		Glasgow Roxburgh Terrace railing 1	Roxburgh Terrace	Glasgow	good	photos & note J Bolton 06.200
28721	not identified	not identified	ra		Glasgow Saltoun Street railing 3	Saltoun Street	Glasgow	good	photos & note J Bolton 06.200
28701	not identified	not identified	ra		Glasgow Partickhill Road railing 3	Partickhill Road	Glasgow	good	photos & note J Bolton 06.200
27740	not identified	not identified	ra		Thurso railing 3	Smith Terrace Masonic Hall	Highland	good	06.2008
28698	not identified	not identified	ra		Glasgow Park Circus railing	Park Circus	Glasgow	good	photos & note J Bolton 06.200
28699	not identified	not identified	ra		Glasgow Partickhill Road railing 1	Partickhill Road	Glasgow	good	photos & note J Bolton 06.200
27735	not identified	not identified	ra		Wick roof railing 3	Northcote Street	Highland	good	applicable to this ... photo & nc
27724	not identified	not identified	ra		Wick balcony railing	North Road	Highland	excellent	well maintained original ?? ... I
									to date from opening of cemet

27032	not identified	not identified	ra		Alloa stair railings	Church Drysdale Street	Clackmannanshire	excellent	10.2007
26981	not identified	not identified	ra		Dornoch railing 3	Evelix Road	Dornoch Highland	good	unmarked railings ... photos &
27712	not identified	not identified	ra		Wick railing 21	George Street	Highland	excellent	... photos & note J Bolton 06.2
26976	not identified	not identified	ra		Ardersier railing 2	B 9006	Ardersier Highland	good	note J Bolton 09.2007
27702	not identified	not identified	ra		Wick railing 11	Thurso Road	Highland	good	... see also gate 09 ... photos
27704	not identified	not identified	ra		Wick railing 13	Coronation Street	Highland	good	this pattern (no surviving gates
27707	not identified	not identified	ra		Wick railing 16	West Banks Avenue	Highland	good	gates 14 & 15 ... photos & not
27052	not identified	not identified	ra		Dunkeld railing	Street	Kinross	good	no maker's marks ... photos &
28700	not identified	not identified	ra		Glasgow Partickhill Road railing 2	Partickhill Road	Glasgow	good	photos & note J Bolton 06.200
27711	not identified	not identified	ra		Wick railing 20	Avenue	Highland	good	Street ... and several ?1930s p
28844	not identified	not identified	ra		Stirling stair railing	Terrace	Stirling	excellent	examples of this pattern exist a
27713	not identified	not identified	ra		Wick railing 22	Memorial	Highland	good	WW1 Memorial on road to Thu
26979	not identified	not identified	ra		Dornoch railing 2	Evelix Road	Dornoch Highland	good	09.2007
27714	not identified	not identified	ra		Wick railing 23	Thurso	Highland	good	06.2008
26980	not identified	not identified	ra		Dornoch gates 2	Evelix Road	Dornoch Highland	good	09.2007
27044	not identified	not identified	ra		Anstruther railings 2	High Street East	Anstruther Fife	stable	... photos & note J Bolton 10.2
27709	not identified	not identified	ra		Wick railing 18	Francis Street	Highland	good	Pulteney Foundry of J Bruce ..
26457	not identified	not identified	sh		Dewsbury Crow Nest Park shelter 2	Heckmondwike Road	Yorkshire	stable	perhaps recycled from free-sta
26191	not identified	not identified	sh		Dingwall station canopies	Railway Station	Dingwall Highland	good	that at Strathpeffer q.v. ... note
27028	not identified	not identified	sh		Weymouth shelter 3	The Esplanade	Weymouth Dorset	good	'modern?' columns & brackets
28833	not identified	not identified	sh		Milngavie Station canopy	Railway Station	Milngavie	good	bases but un-decipherable ... p
27026	not identified	not identified	sh		Weymouth shelter 1	The Esplanade	Weymouth Dorset	good	platform over beach ... photos
25755	not identified	not identified	sh		Birmingham urinals	Vyse St & Allison St	Birmingham	stable	Birmingham, not recognisably
27027	not identified	not identified	sh		Weymouth shelter 2	The Esplanade	Weymouth Dorset	good	Bolton 09.2007 (visiting Scotti
28156	not identified	not identified	sh		Trawden urinal	Skipton Road	Lancashire	stable	known Scottish connection ! ...
25748	not identified	not identified	sh		Nantyderry Station urinal	Nantyderry Station	Monmouthshire Wales	lost	Britain' Bell 1960 as 'an espec
510	not identified	not identified	sh		Bo'ness station train shed	Edinburgh)	Bo'ness Falkirk	good	terminus for the Edinburgh & C
25749	not identified	not identified	sh		Severn Tunnel Station urinal	Severn Tunnel Station	Monmouthshire Wales	lost	Britain' Bell 1960, as a good e
28309	not identified	not identified	st		Strathmiglo marker post	West Back Dykes	Strathmiglo Fife	good	note J Bolton 03.2009
28211	not identified	not identified	st		Peebles mileposts	A703 north of Peebles	Borders	excellent	iron letters set in backing ston
26156	not identified	not identified	st		Crich ventilator shaft	National Tramway Museum	Crich Derbyshire	stable	be of Scottish origin ... former
26922	not identified	not identified	st		Peat Inn milepost	Peat Inn B940	Peat Inn Fife	excellent	Fife ... Google 'milestones & w
26575	not identified	not identified	st		Kirriemuir direction posts	Kirriemuir area / Tigerton	Kirriemuir Angus	good	effect centres - one in Kirriemu
495	not identified	not identified	st		Bridge of Allan street sign	Keir Street	Bridge of Allan Stirling	good	
27155	not identified	not identified	st		St Michaels wayside marker	St Michaels Inn A92 / B945	St Michaels Fife	good	three surviving to this pattern)
28617	not identified	not identified	st		Morvern mile posts	B 8043 ?	Morvern Highland	excellent	condition!! others rusty ... phot
26734	not identified	not identified	st		Maxton finger post	A699 west of St Boswells	Borders	excellent	Roxburghshire ... photos & not
60	not identified	not identified	st		Stirling Gladstone Place street sign	Gladstone Place	Stirling	stable	unmarked untypical street sigr
25786	not known	not identified	fd		fountain	city centre?)	Dundee	at risk	Caird Fountain installed in the
25709	Oak Foundry	Oak Foundry Glasgow	ra		Dublin Eglinton Road railing	Eglinton Road	Dublin Ireland	stable	lower rail .... photo: A Davey
28693	Oak Foundry	Glasgow	ra		Glasgow Marchmont Terrace railing	Observatory Road	Glasgow	good	photos & note J Bolton 06.200
27418	Oak Foundry	Oak Foundry Glasgow	ra		Rothesay Argyle Street railings 1	Argyle Street	Bute	good	rail ... also Smith entrance can
27108	Oak Foundry Co ?	Oak Foundry Glasgow ?	bo		Kirkintilloch roof terminal 1	Camphill Avenue	Dunbartonshire	good	Foundry railings qv ... note & p
27107	Oak Foundry Co ?	Oak Foundry Glasgow ?	ra		Kirkintilloch roof railing 1	Camphill Avenue	Dunbartonshire	good	imagination suggests it could r
26587	Ollerton	Preston Lancashire	ba		Falkirk shelter / bandstand	High Street (east end)	Falkirk	good	maker's name (& postcode!) o
26120	Scotland	not identified	la		Aberdeen Union Terrace lamp pillars 1	Union Terrace	Aberdeen	stable	City Arms, and rivetted maker'
27604	P & R Fleming & Co	Glasgow & Partick	br		Elgol Kilmarie bridge railings	Kilmarie	Highland	good	plated with maker's name ... pl
27603	P & R Fleming & Co	Glasgow	ga		Elgol Kilmarie gate pillars	Kilmarie	Highland	good	railings) ... photos & note J Bo
27823	P & R Fleming & Co ?	Glasgow	ga		Newton Stewart gates 1	Corsbie Road	Dumfries & Galloway	poor	R Fleming Glasgow ... photos
27850	P & R Fleming & Co ?	Glasgow	ra		Stranraer railings 09	Lewis Street	Galloway	poor	are marked 'P & R Fleming & C
28823	P & W MacLellan	Clutha Ironworks Glasgow	br		Carlisle Victoria Viaduct parapet	Victoria Viaduct	Carlisle Cumbria	good	maker's name on some bases
									stanchion bases ... photos & n

28665	P Bell & Sons	Edinburgh	ra		Glasgow Botanic Gardens railing	Great Western Road	Glasgow	good	photos & note J Bolton 06.200
28641	P Bell & Sons ?	Edinburgh	fd		Bo'ness NBR drinking fountain	SRPS Bo'ness	Bo'ness Falkirk	excellent	inferred from Bell motif ... exar
28210	P Bell & Sons ?	Edinburgh	fd		Penicuik drinking fountain	private residence	nr Penicuik Midlothian	good	(example also at SRPS Bo'nes
27334	P Bell & Sons ?	Edinburgh	la		lamp pillars	Shandwick Place	Edinburgh	excellent	Royal Infirmary, Lauriston Plac
27340	P Bell & Sons ?	Edinburgh	ra		Edinburgh Quartermile railings	Royal Infirmary site)	Edinburgh	excellent	maker's name on adjacent lan
25925	P Bell ?	Edinburgh	la		Edinburgh Craigmillar Park lamp pillars	41 Craigmillar Park	Edinburgh	stable	on railings at Princes Street G
26739	Paterson	Bridge	br		Bonnington Linn footbridge	Bonnington Linn	Lanarkshire	stable	info K Fawell 04.2007 .... phot
332	Macfarlane & Co	Saracen Foundry Glasgow	bu		Glasgow Gardner Warehouse	36 Jamaica Street	Glasgow	good	facade marked R McConnell 1
26266	Engineers	Eagle Foundry Greenock	ct		Greenock clock tower	Custom House Quay	Greenock Inverclyde	excellent	front of the Custom House .. c
57	Ritchie Watson & Gow	Etna Foundry Glasgow	gr		1	Holyrude Cemetery	Stirling	stable	paint lost ... DSM ... update &
26501	Ltd	Etna Foundry Glasgow	gr		Larbert gravemarker 7	Larbert Cross Graveyard	Stirlingshire)	stable	01.2007
27097	Robert Laidlaw & Son	Glasgow	bu		Santiago Central Market building	Mercado Central City Centre	Santiago Chile	good	Charles Henry Driver ... pre-er
26075	Robert Laidlaw & Son	Glasgow	la		Hobart lamp pillars 1	Town Hall Macquarie Street	Australia	good	1864, R Laidlaw & Son Glasg
26068	Robert Laidlaw & Son	Glasgow	la		Edinburgh York Place lamp pillar	York Place	Edinburgh	good	on base ... note & photo J Bolt
28810	Robertson & Lister	Glasgow	bu		Geelong Iron Store	Mercer Street / Ginn Street	Australia	not known	group of corrugated iron buildi
563	Robertson & Lister	Victoria Foundry Glasgow	bu		Glasgow Fruitmarket building	Street	Glasgow	good	input by John Baird, it is one o
26225	Rose Street Foundry Co	Inverness	br		Inverness bridge 1	Bank Street	Inverness Highland	good	... note & photos J Bolton 08.2
28632	Rose Street Foundry Co	Rose Street Inverness	bu		Plockton station columns	Plockton Station	Plockton Highland	excellent	Kyle of Lochalsh) ... photos &
26227	Rose Street Foundry Co	Inverness	bu		Strathpeffer Ben Wyvis Hotel columns 1	Bar	Strathpeffer Highland	excellent	link to dining room dated 1887
26228	Rose Street Foundry Co	Inverness	bu		Strathpeffer Ben Wyvis Hotel columns 2	Bar	Strathpeffer Highland	excellent	link to dining room dated 1887
26306	Rose Street Foundry Co	Inverness	sh		Kingussie station canopies	Railway Station	Kingussie Highland	stable	canopy, columns have maker's
28918	Rose Street Foundry Co	Rose Street Inverness	sh		Aviemore Station canopy	Aviemore Station	Aviemore Highland	excellent	name on column bases ... pho
26294	Rose Street Foundry Co	Inverness	sh		Kyle of Lochalsh station canopies	Railway Station	Highland	excellent	only .. (same shield but illegibl
26229	Rose Street Foundry Co	Inverness	sh		Strathpeffer station canopy	Victorian Station precinct	Strathpeffer Highland	good	& workshops. Makers marks c
26307	?	Inverness ?	la		lamps	Railway Station overbridge	Kingussie Highland	good	assumed to be that of station i
27783	Ross Foundry	Tain	ot		Tain Foundry (lost)	Road	Highland	lost	in Tain Museum c1830 & 1893
28589	Rowell / Lion Foundry ?	Kirkintilloch	ba		Shildon Hackworth Park bandstand	Hackworth Park	Shildon Durham	good	London but it is known that Lic
26615	Co Ltd ?	Kirkintilloch ?	ba		Grimsby bandstand (ex Goole)	Fisheries Heritage Centre	Grimsby Lincolnshire	good	1991 .. one column base mark
28472	S Tillotson	Shipley	la		Tarbert West Loch lamp pillar	West Loch Hotel	Tarbert Argyll & Bute	stable	way from home! ... photos J B
25717	Shotts Iron Co	Edinburgh	ct		Edinburgh Leith Walk clocktower	Leith Walk / London Road	Edinburgh	in store	possibly originally a lamp pillar
26033	Shotts Iron Co	Edinburgh	ga		Edinburgh New Register House gates	New Register House	Edinburgh	excellent	note & photos J Bolton 02.200
26029	Shotts Iron Co	Edinburgh	ga		pillar	North St David Street	Edinburgh	excellent	& photo J Bolton 02.2006
27268	Shotts Iron Co	Shotts Foundry	ga		Edinburgh Grange Cemetery gates	Strathearn Road	Edinburgh	good	unmarked but similar to Shotts
27269	Shotts Iron Co	Shotts Foundry	ga		Edinburgh Grange Cemetery railing	Strathearn Road	Edinburgh	good	unmarked but similar to Shotts
28601	Shotts Iron Co	Shotts Foundry	la		Shotts lamp pillars	Public Library	Lanakshire	excellent	records info on the Shotts Iron
27449	Shotts Iron Co	?	la		Arbroath lamp pillar 1	High Street Sheriff Court	Arbroath Angus	excellent	1845' on cross rail ... no make
27457	Shotts Iron Co	?	la		Stonehaven lamp pillar	High Street	Aberdeenshire	excellent	unmarked but pillars are as Sh
27496	Shotts Iron Co	Shotts Foundry	la		Rothesay Victoria Hotel lamp pillars	Victoria Street Victoria Hotel	Bute	good	on base ... photos & note J Bo
27176	Shotts Iron Co	Shotts Foundry	la		Glasgow La Belle Place lamp pillars	Cultural Centre	Glasgow	good	maker's name on base .. note
26026	Shotts Iron Co	Edinburgh	la		pillars	Square	Edinburgh	excellent	base - an early example of a g
27175	Shotts Iron Co	Shotts Foundry	la		1	Crescent - Newton Place	Glasgow	good	two 'rogue' Smith replacement
28780	Shotts Iron Co	Shotts Foundry Edinburgh	la		Edinburgh Duddindston lamp pillar	Duddingston Village	Edinburgh	good	marked examples at Stirling q.
26028	Shotts Iron Co	Leith Walk Edinburgh	la		Edinburgh Holyrood Park lamp pillars	Holyrood Park	Edinburgh	good	name on bases ... Ed Library h
56	Shotts Iron Co	Shotts or Edinburgh	la		Stirling Cowane's Hospital lamp pillars	Street	Stirling	fair	name on base ... unusual exar
25879	Shotts Iron Co	Shotts Foundry	la		Rosebank Popinjay Hotel lamp pillars 2	Popinjay Hotel Lanark Road	Lanarkshire	good	... two exceptions unmarked ..
27163	Shotts Iron Co	Shotts Foundry	ra		Glasgow La Belle Place railing 1	Hindu Cultural Centre	Glasgow	good	maker's name prominent on ea
26927	Shotts Iron Co	Edinburgh	ra		Edinburgh Corstorphine railings 1	Corstorphine Road	Edinburgh	good	Hobart Tasmania qv, also at S
26072	Shotts Iron Co	Edinburgh	ra		Hobart railings 1	Davey Street	Australia	stable	(closed?) - almost certainly Sh
26073	Shotts Iron Co	Edinburgh	ra		Launceston (Aus) railings	Showground	Australia	excellent	be identical to Shotts railing in
25872	Shotts Iron Co	Shotts North Lanarkshire	ra		Hamilton Palace railing	Road	Lanarkshire	good	... originally at perimeter of Ha
27313	Shotts Iron Co ?	Shotts Foundry ?	bc		Edinburgh Mayfield balconies	West Mayfield	Edinburgh	good	photos & note J Bolton 02.200
									damaged ... no maker's mark l

26925	Shotts Iron Co ?	Edinburgh ?	ga		Edinburgh Zoo gates 2	Corstorphine Road	Corstorphine	good	park lodge dated 1927 but gat
428	Shotts Iron Co ?	Edinburgh ?	gl		house	Royal Botanic Gardens	Edinburgh	excellent	(Shotts) foundry got the contra
27357	Shotts Iron Co ?	Shotts Foundry ?	la		Edinburgh Queen St 43 lamp pillars	43 Queen Street	Edinburgh	good	pillars in Glasgow & Stirling ...
26772	Shotts Iron Co ?	Edinburgh	la		pillars	The Tower The Promenade	Edinburgh Portobello	good	Tower' ... doorway is dated 18
28311	Shotts Iron Co ?	Edinburgh	la		Edinburgh Restalrig lamp pillar	Restalrig Road	Edinburgh	good	the style of Shotts Iron Co pro
28474	Shotts Iron Co ?	Shotts Foundry	la		Campbeltown Town Hall lamp pillars	Town Hall Main Street	Bute	excellent	Iron Co ... building dated 1866
26027	Shotts Iron Co ?	?	la		lamp pillars 2	Square	Edinburgh	excellent	general shape similar to Shott
26086	Shotts Iron Co ?	?	ot		ornamentation	Gosford House	Aberlady East Lothian	stable	Story of Shotts' 1950 notes tha
26769	Shotts Iron Co ?	Edinburgh	ra		Edinburgh Joppa Dalriada railings	Dalriada 77 The Promenade	Edinburgh Joppa	stable	railings with backstays (& gate
26770	Shotts Iron Co ?	Edinburgh	ra		Edinburgh Portobello railings 2	High Street	Edinburgh Portobello	good	& note J Bolton 06.2007
27165	Shotts Iron Co ?	Shotts Foundry ?	ra		Glasgow Sauchiehall Street railing 2a	Royal Crescent ?	Glasgow	good	but this single stanchion has s
26711	Shotts Iron Co ?	Edinburgh	ra		Innerleithen Glenormiston railings	west of Innerleithen	Borders	good	Glenormiston Estate ... unmar
27164	Shotts Iron Co ?	Shotts Foundry ?	ra		Glasgow Sauchiehall Street railing 2	Sauchiehall Street (west)	Glasgow	good	some in poor condition, others
27359	Shotts Iron Co ?	Shotts Foundry ?	ra		Edinburgh Queen St 55 railings	55 Queen Street	Edinburgh	excellent	Glasgow ... photos & note J Bo
27768	Shotts Iron Co Ltd	?	la		Tain lamp pillars 2	Street	Highland	good	perhaps from the early days of
27342	Sir Wm Arrol & Co Ltd	Glasgow	br		Edinburgh North Bridge	North Bridge / Market Street	Edinburgh	excellent	ironwork may have been subco
28792	Ltd	Blaydon on Tyne	st		Mull mileposts	A849	Mull Argyll & Bute	good	maker's name & 1897 ... photo
26958	Ltd	Blaydon on Tyne	la		Grantown-on-Spey lamp pillar 3	Avenue	Highland	excellent	used locally, but unusual to be
27531	spare railing	spare railing	ra				xxx		
26921	St Andrews Foundry	St Andrews	st		St Andrews Higham Toll mileage post	Higham Toll A915	of)	excellent	NE Fife .. maker's name on top
25937	St John's Foundry	St John's Perth	la		Perth Bridge parapet lamps	Perth Bridge	Perth Perth & Kinross	good	- different lamps not by St Joh
95	St Ninians Foundry	St Ninians Foundry	ga	0	Stirling Snowdon Place gates	Snowdon Place	Stirling	good	Made also for Kings Park by Ic
28181	St Pancras Iron Co Ltd	London	bc		St Kitts Custom House balconies	Bay Road	West Indies	stable	... maker's name on columns .
27178	Sugg	London	la		Glasgow Kelvingrove Gallery lamp pillars	Museum Argyle Street	Glasgow	excellent	access plate but probably mac
26548	Bo'ness	Bo'ness	la		Bo'ness lamp pillars	SRPS Station forecourt	Bo'ness Falkirk	excellent	recorded in main street in 02.1
26426	The Coalbrookdale Co	Coalbrookdale	fd		Portsmouth Southsea drinking fountain	Parade	Hampshire	excellent	connections, but irresistable!! .
28014	The Coalbrookdale Co	Coalbrookdale	ga		Corsock entrance turnstile	Corsock House	Galloway	excellent	animal proof ... maker's name
28013	The Coalbrookdale Co	Coalbrookdale	ga		Corsock entrance gates	Corsock House	Galloway	excellent	name on lock housings ... pho
28015	The Coalbrookdale Co ?	Coalbrookdale	ga		Corsock gate pillars	Corsock House	Galloway	excellent	back and both boxed in on low
26293	The Tain Foundry	Tain Foundry	ga		Arisaig estate road gates	A830 east of village	Arisaig Highland	good	maker's name on bottom of ea
26712	Thomas Aimers	Galashiels	ot		Innerleithen Clough Mills water tank	Road	Borders	at risk	on several panels ... mill now c
26918	Thomas Hadden	Edinburgh	bc		Cupar Hill of Tarvit House balconettes	Hill of Tarvit House NTS	Cupar Fife	excellent	house) by Sir Robert Lorimer .
369	Thomas Hadden	Edinburgh	bl		Skirling internal ironwork	Skirling House	Borders (nr Biggar)	good	Gibson Carmichael,... Bob and
366	Thomas Hadden	Edinburgh	bo		Dron ironwork	Balmanno Castle	Perthshire & Kinross	stable	ownership - no apparent publi
370	Thomas Hadden	Edinburgh	ga		Whittinghame gates	Garden	Lothian	stable	
367	Thomas Hadden	Edinburgh	ga		Busby Glen Park gates	Glen Park Cartside Drive	Renfrewshire	stable	sad state of disrepair' (ref Isob
364	Thomas Hadden	Edinburgh	ga		Cupar Hill of Tarvit House gates	Hill of Tarvit House NTS	Cupar Fife	excellent	house) by Sir Robert Lorimer .
26399	Thomas Hadden	Edinburgh	ga		Edinburgh Colinton gate	Bridge Road Colinton	Edinburgh	stable	renowned Edinburgh artist) for
27247	Thomas Hadden	Murrayfield Edinburgh	ot		Edinburgh NMS Thomas Hadden Sign	Scotland Chambers Street	Edinburgh	excellent	c1910 (to the right of works pic
27246	Thomas Hadden	Murrayfield Edinburgh	ot		Edinburgh NMS Thomas Hadden Exhibit	Scotland Chambers Street	Edinburgh	excellent	Hadden ... thumbnail is of gate
365	Thomas Hadden	Edinburgh	ra		Dirleton school railings & gates	Primary School Main Road	Dirleton East Lothian	stable	the original Thomas Hadden g
28066	Thomas Hadden ?	Edinburgh	ga		Edinburgh Church Hill gate 1	Morningside Road	Edinburgh	good	Napier University) ... in the sty
72	Thomas Hadden ?	Edinburgh ?	ga		Stirling King's Knot gates 1	Kings Knot	Stirling	good	Style of Thomas Hadden ... D
27874	Thomas Hadden ?	Edinburgh	ga		Duns Manderston House gates	Manderston House A 6105	Duns Scottish Borders	good	remodelling of house in 1903 b
28154	Thomas Hadden ?	Edinburgh	ga		Edinburgh Astley Ainslie gates	Grange Loan	Edinburgh	good	photos & note J Bolton 09.200
73	Thomas Hadden ?	Edinburgh ?	ga	0	Stirling King's Knot gates 2	Kings Knot	Stirling	good	Style of Thomas Hadden
110	Thomas Hadden ?	Edinburgh ?	gr		5	Holyrude Cemetery	Stirling	poor	Thomas Hadden of Edinburgh
28609	Thomas Hadden ?	Edinburgh	gr		Balquidder grave railing 1	Cemetery	Balquidder Highland	stable	Thomas Hadden ... photos & r
26273	Thomas Smith	St Ninian's Foundry Stirling	ga		Stirling King's Park gates	King's Park	Stirling	good	original cast iron gate pillars ...
26487	Thomas Tait	Edinburgh	ga		Dunfermline Abbey gates	Abbey Church	Dunfermline Fife	good	.. photos & note J Bolton 12.2(
28263	W A Baker & Co Ltd ?	Newport Monmouthshire	ra	1252	Beamish Museum Sun Inn cresting	Street	Beamish Durham	good	Bishop Auckland) ... as railing
									1887 ... generally sound but in

26515	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Walsall Arboretum bandstand	The Arboretum	Walsall Staffordshire	stable	Park ... illus from Macfarlane a
25821	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Ramsgate Ellington Park bandstand	Ellington Park	Ramsgate Kent		Date approximate (park acquir
25823	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	(lost)	Marine Park	New Brighton Wirral	lost	attribution almost certain ....Th
26516	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Whitchurch bandstand	Victoria Golden Jubilee Park	Whitchurch Shropshire	good	... photo J Bolton 12.2003 ... n
270	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		(lost)	Roberston Park	Renfrew Renfrewshire	lost	Architectural Ironwork' c1921 .
28785	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	224	Cape Town De Waal Park bandstand	De Waal Park	Town	good	as illus in 6th ed cat c1882 ... s
162	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Colchester Castle Park bandstand	Upper Castle Park	Colchester Essex	excellent	Engineering in 2002 .... note &
26159	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	224	Swanage bandstand	Shore Road	Swanage Dorset	good	c1882 ! generally good order b
26517	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Bingley Myrtle Park bandstand	Myrtle Park	Yorkshire	good	roof, & an unusual combinatio
434	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	London Queen's Park bandstand	Queens Park Willesden	London Brent	good	Not original baluster panels
444	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	224	Leamington Spa bandstand	Pump Room Gardens	Warwickshire	good	cat c1882 (No 92 brackets, N
26513	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Long Eaton West Park bandstand	West Park Wilsthorpe Street	Derbyshire	stable	316 panels as illus in 6th ed ca
165	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		bandstand(lost)	Springburn Park	Glasgow Springburn	lost	Gifted by James Reid - now lo
25798	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Kimberley bandstand	Mining Museum	Kimberley	stable	sources - balustrade in particu
164	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Glasgow Queen's Park bandstand(lost)	Queens Park	Park	lost	Eunson 'Old Queen's Park' St
256	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	224	Sevenoaks The Vine bandstand	The Vine Gardens	Sevenoaks Kent	good	bandstand as illus in 6th ed ca
245	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Stoke-on-Trent Hanley Park bandstand	Hanley Park	Staffordshire	good	restoration reported in 2005 to
27394	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Forfar bandstand	Reid Park	Forfar Angus	good	plates' (as at St Anne's qv) ...
26521	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Littleborough Hare Hills Park bandstand	Hare Hills Park	Lancashire	excellent	Leander Architectural Ltd ... in
28820	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Guyana Georgetown bandstand 3	Sea Wall	South America	poor	appears to be a Macf No 249 l
44	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Beamish Museum Park bandstand	Beamish Museum	Beamish Durham	good	Park Gateshead 1907 & reloca
26523	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Newtonheath Brookdale Park bandstand	Brookdale Park	Newtonheath	stable	
26324	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Chatham Victoria Gardens bandstand	Victoria Gardens	Chatham Kent	stable	with plain modern railing ... ph
379	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Hamilton bandstand	Bothwell Road Public Park	Lanarkshire	stable	balustrade, but at least the ba
380	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Strathaven George Allan Park bandstand	George Allan Park	Lanarkshire	excellent	with medallions, and timber ce
345	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	225	Brechin Park bandstand	Public Park	Brechin Angus	good	most unusual. Looks like origi
333	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Ryde pavilion	Promenade	Hampshire	good	designed & built by Macfarlan
51	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Stranraer bandstand	Stair Park	Galloway	good	George V. (ref HS Listing det
383	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Dumfries Dock Park bandstand	Dock Park	Galloway	good	but 'the bandstand was inaugu
385	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Glasgow Rutherglen bandstand	Overtoun Park	Glasgow Rutherglen	fair	Festival. ... re-erected using in
26522	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Macclesfield Victoria Park bandstand	Victoria Park	Macclesfield Cheshire	good	park away on east side of tow
27184	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Pietermaritzburg bandstand	Alexandra Park	Pietermaritzburg	poor	Taunton et al) ... 'recently rein
52	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Cupar Haugh Park bandstand	Haugh Park	Cupar Fife	good	Engineering and Charles Lain
272	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Worthing bandstand (lost)	Promenade	Worthing West Sussex	lost	& arena) ... illus from 'Example
26518	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Newcastle Nunsmoor Park bandstand	Grove / Studley Terrace	Newcastle	lost	1887 & recently refurbed but c
386	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	St Andrews bandstand	The Scores	St Andrews Fife	good	condition given coastal locatio
166	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Seisdon)	Capstone Parade	Edinburgh	moved	1894 that the new bandstand,
387	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Dun Laoghaire East Pier bandstand	East Pier	Dun Laoghaire Ireland	at risk	bandstand also!....photo: J Bol
26539	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Argentina Buenos Aires bandstand	??	Argentina	excellent	(location given as Zoological G
26540	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	bandstand	Burgher Park	Pretoria South Africa	stable	www.museumpark.co.za ... no
28164	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	223	shelters	Point Pleasant Park	Canada	good	be Macfarlane No 223 as illus
396	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Dungarvan bandstand	Dungarvan Park	Ireland	good	asked the Borough Surveyor t
28818	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Guyana Georgetown bandstand 2	Botanic Gardens	South America	good	qv, but with spandril panels mi
27197	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Guernsey bandstand	Art Gallery	Guernsey Channel	excellent	incorporated as a tearoom in t
376	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Dunfermline bandstand	Park	Dunfermline Fife	fair	(maker's name unusually disc
25834	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	224	Uxbridge Fassnidge Park bandstand	Rockingham Parade	Middlesex	good	cat c1882, but with non-stand
167	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	London Leyton bandstand	Coronation Gardens	London Leyton	excellent	& image www.heritageenginee
130	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Taunton Vivary Park bandstand	Vivary Park	Taunton Somerset	good	adjacent gates and fountain q
27132	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Great Malvern bandstand 2	Priory Park	Hereford & Worcester	good	note J Bolton 11.2007
98	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Southend The Cliffs bandstand (lost)	The Cliffs	Essex	lost	Architectural Ironwork' c1921 .
104	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Troon bandstand (lost)	Seafront	Troon South Ayrshire	lost	1907 still exists .. note J Bolto
									... photo DSM 04.2005 ... rec

99	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Darlington South Park bandstand	South Park	Darlington Durham	excellent	Engineering Ltd 2005 .. info &
25700	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Cobh bandstand	promenade	Cobh Ireland	excellent	Photo: A Davey 07.2005
28890	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Enniskillen Forthill Park bandstand	Forthill Park	Ireland	excellent	production, a variation of desi
485	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	bandstand	Queen's Park	West Indies	excellent	version cf Dumfries) with tiled
550	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Bognor Regis esplanade bandstand	The Esplanade	Sussex	good	in the 1920s .... appears to ha
100	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Gravesend Fort Gardens bandstand	Fort Gardens	Gravesend Kent		
163	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Bo'ness Glebe Park bandstand	Glebe Park	Bo'ness Falkirk	good	suggest a windshield was und
74	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Penzance Morrab Gardens bandstand	Morrab Gardens	Penzance Cornwall	excellent	gardens ... also McDowall, Ste
25888	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	(moved)	Saughton Park ?	Edinburgh	moved	International Exhibition ... sold
97	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	230	(lost)	Hill	Essex	lost	Architectural Ironwork' c1921 .
549	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Weymouth bandstand (lost)	Alexandra Gardens	Weymouth Dorset	lost	surrounded by 'Kursall' 1913, a
25971	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	St Anne's promenade bandstand	Promenade	Lancashire	stable	attention when photographed i
25916	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Burnley Scott Park bandstand	Scott Park	Burnley Lancashire	good	roof on 249 columns & spandr
108	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Great Malvern bandstand 1	Priory Park	Hereford & Worcester	good	refurbished & re-erected on or
473	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Chesterfield Queen's Park bandstand	Queens Park	Derbyshire	good	by Casting Repairs Ltd ... Sign
243	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Thame bandstand	Church Road	Thame Oxfordshire	good	brought from the British Empir
25792	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Brazil Olinda bandstand	Praca da Abolicao	Brazil Olinda	good	de Ferro no Brasil' Sao Paolo
69	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	Hexham Abbey Gardens bandstand	Abbey Gardens	Northumberland	excellent	working bandstand .... note &
525	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Dundee Magdalene Green bandstand	Magdalene Park	Dundee	fair	deteriorating quickly and one c
25907	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	(site of)	Winter Gardens	Gloucestershire	moved	Architectural Ironwork' c1921,
25908	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Liverpool Stanley Park bandstand	Stanley Park	Liverpool	excellent	bandstand, reconstructed 200
90	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	249	(lost)	Melbourne Park	Ayrshire	lost	dated 1905 exists in the St An
25915	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Rothesay bandstand 1 (lost)	Victoria Street	Bute	lost	the Aberdeen University archi
544	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Tunbridge Wells bandstand (lost)	Calverley Park	Tunbridge Wells Kent	lost	part of a larger development o
545	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Rothesay bandstand 2 (lost)	Victoria Street	Bute	lost	as one of the best examples o
25695	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	225	Adelaide Elder Park bandstand (rotunda)	Elder Park	Australia	excellent	c1882 ... 'Presented by Sir Th
28989	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	224	Bangor NI Pickie bandstand	Pickie Park	Northern Ireland	at risk	Marine Gardens, moved 1915
70	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Horsham Carfax bandstand	Carfax (town centre)	Sussex	excellent	bandstand sited in pedestriani
26703	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Maryborough (Aus) Band Rotunda	Queen's Park	Queensland Australia	good	6th ed catalogue c1882 (unlik
26458	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Hathersage Pool bandstand	Swimming pool environs	Derbyshire	good	Bradbury) to have been broug
26421	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba		Ventnor bandstand	Ventnor Park	Ventnor Isle of Wight	good	... unusual assembly of Macf c
25673	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	bandstand	Dane John Gardens	Canterbury Kent	excellent	excellent photo 02.2002 by Tr
522	Walter Macfarlane & Co	Saracen Foundry Glasgow	ba	279	Clacton on Sea Pier bandstand (lost)	Pier	Clacton on Sea Essex	lost	Architectural Ironwork' c1921 .
28561	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Grenada Fort Matthew verandah	Fort Matthew	Grenada West Indies	poor	1983 US bombing (in error)...
551	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc	852	Bognor Regis Royal Hotel balconies	The Esplanade	Sussex	good	6th ed cat c1883 ... also other
26525	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Walsall Arboretum club house verandahs	The Arboretum	Walsall Staffordshire	at risk	columns No 134, brackets No
304	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Jo'burg Plein Street	Plein Street	Johannesburg	not known	Architectural Ironwork' c1911.
26768	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc	104	North Berwick balcony railing	Westgate	Lothian	good	No 104 as illus in 6th ed cat c
299	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Bournemouth Norfolk Hotel verandah	Richmond Hill	Bournemouth Dorset	excellent	Macfarlane's Architectural Iron
300	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Bournemouth Bright's / Dingles verandah	Bright's Stores / Dingles	Bournemouth Dorset	stable	Macfarlane's Architectural Iron
26418	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Bognor Regis Royal Hotel verandahs	The Esplanade	Sussex	good	No 85 used as beams, all as il
27509	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc	281 36	Rothesay Royal Terrace balconies 1	Terrace	Bute	good	brackets as illus in 6th ed cat c
27510	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Rothesay Royal Terrace balconies 2	Terrace	Bute	good	brackets ... Royal Terrace is a
26216	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc	201	Inverness Queensgate balcony 1	Queensgate / Church Street	Inverness Highland	stable	c1883 .. note & photos J Bolto
303	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Southend-on-Sea Palace Hotel balconies	Pier Hill	Essex	good	original building included by M
25941	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc	41	Perth balcony railing 2	Street	Perth Perth & Kinross	stable	some damage to central panel
26214	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Inverness Lovat Road balcony 1	Lovat Road	Inverness Highland	good	houses - spandril arches are M
305	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Jo'burg Aegis Building	Aegis Building	Johannesburg	not known	Architectural Ironwork' c1921.
306	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Jo'burg Thorne Stuttaford building	Thorne Stuttaford Building	Johannesburg	not known	'Example's of Macfarlane's Arc
26409	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Bath balcony railing	George Street	East Somerset	good	c1883 ... note & photos J Bolt
									ed cat c1882 (and as stair bal

26379	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Penang Konsenih Building balconies	Leith Street	Malaysia	good	Leith Street (opposite Cheong
25810	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Simonstown British Hotel	harbour front	Simonstown	good	Bolton 04.2002
26624	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Cleethorpes shopfront verandah railing 4	High Cliff Road	Lincolnshire	stable	... photos & note J Bolton 02.2
26619	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Cleethorpes shopfront verandah 4	High Cliff Road	Lincolnshire	stable	No 294 used as web for beam
26345	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Newcastle NI verandah 1	Downs Road	Ireland	good	columns - Macfarlane No129 c
25802	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Cape Town Travellers' Inn	Long Street Travellers' Inn	Town	good	Long Street ... columns marke
25800	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Cape Town Cafe Espresso canopies	Plein St ?	Town	excellent	photos J Bolton 04.2004
28146	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		verandahs	Court House	West Indies	good	reported to be by William McF
28767	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc	158	Fleetwood The Mount Hotel verandah 1	The Mount Hotel Esplanade	Fleetwood Lancashire	good	No 104 columns ... also railing
26332	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		(lost)	Grand Hotel Fir Vale Road	Bournemouth Dorset	lost	Examples of Macfarlane's Arcl
28137	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Barbados Bridgetown Mutual Building 1	Broad Street	West Indies	excellent	building ... Macfarlane compor
26389	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		railings 2	Church Street	Malaysia	excellent	balcony above, using same co
26367	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		3	Leith Street	Malaysia	excellent	lugs to attach the balustrade .
25976	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Penarth Yacht Club verandahs	The Esplanade	Glamorgan Wales	good	balusters No 590 are as illustra
151	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc	33	railing	St George's Hotel	Wales	good	perhaps columns) as illustrate
26620	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Cleethorpes shopfront verandah 5	High Cliff Road	Lincolnshire	stable	brackets as illus in 6th ed cat c
26374	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Penang '1886 building' balconies	Beach Street	Malaysia	stable	Macf No 48, balustrade Macf r
26366	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc	26	2	Leith Street	Malaysia	excellent	26, no apparent marks. ... note
26625	Walter Macfarlane & Co	Saracen Foundry Glasgow	bc		Cleethorpes shopfront verandah railing 5	High Cliff Road	Lincolnshire	good	No 956 - note joint arrangeme
136	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		Canada Vancouver balustrade	Vancouver Law Courts	Canada Vancouver	not known	illustration from 'Examples of M
26472	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		Halifax Market Hall railings	Market Hall Market Street	Halifax West Yorkshire	good	from ground level ... pattern is
25854	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		Glasgow People's Palace balustrade 1	Green	Glasgow	excellent	Macfarlane & Co Glassgow on
25789	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl	1070	Brazil Manaus Library balustrade	Library Building	Brazil	not known	c1992 (also rainware q.v.) ... p
268	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		staircases	Western Infirmary	Glasgow	good	illustrated in 'Examples of Mac
267	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		Wallasey Town Hall staircase	Wallasey Town Hall	Wallasey Wirral	excellent	22.9.1920.??? ..... illustration f
26390	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		balustrade	Church Street	Malaysia	excellent	timber framing (also used as w
407	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		Singapore Chesed El synagogue railings	Chesed El Synagogue	Singapore	excellent	... image & info www.heritagee
26392	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		balusters	Church Street	Malaysia	excellent	balusters adapted as stair balu
293	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		SS Balmoral Castle interior (lost)	UK - South Africa Liner	South Africa !!	lost	The Fairfield Shipbuilding Con
266	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		(lost)	St Andrews Halls	Glasgow	lost	1962 ... illustration from 'Exan
262	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		Liverpool balustrade (Students' Union)	Hall	Liverpool	good	but complete condition (a secc
264	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		Bournemouth balustrade	Municipal College & Library	Bournemouth Dorset	excellent	balustrades .... illustrated in 'E
26094	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		London Whiteley's staircase	Queensway	London Bayswater	excellent	reopened as London's largest
263	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		Liverpool balustrade (Cunard)	Cunard Building Pier Head	Liverpool	excellent	office now in multiple occupan
265	Walter Macfarlane & Co	Saracen Foundry Glasgow	bl		Liverpool balustrade (Uni Arts Building)	Building	Liverpool	not known	Ironwork' c1921 .... 01.2006 - I
28600	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Paisley rainware 1	Crookston Road	Paisley Renfrewshire	excellent	& note J Bolton 05.2009
28919	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Aviemore Church rainware	St Andrew's Church	Aviemore Highland	excellent	TM visible ... photos & note J B
26052	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Southport Lord St roof terminal	Lord Street	Southport Lancashire	excellent	illustration from their 6th ed ca
25774	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Newport-on-Tay finials & rwh	Linden Avenue & Norwood	Newport-on-Tay Fife	good	cresting intact, and each with i
25771	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	21	Winchburgh rainware	Street	Lothian	fair	rainwater heads No 21, as illus
26173	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Cromarty rainware	Street	Cromarty Highland	good	ed cat c1883 ... same rwh's or
25906	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		terminal	St George's Hotel	Wales	good	illustrated in 6th ed cat c1883
26172	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Cromarty shopfront cornice	High Street	Cromarty Highland	excellent	cornice is terminal no 280, cer
26171	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Cromarty shopfront	High Street	Cromarty Highland	excellent	as illustrated in 6th ed cat c18
28709	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Glasgow Princes Terrace rainware	Princes Gardens	Glasgow	good	photos & note J Bolton 06.200
400	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		finials	Papplewick Pumping Station	Nottinghamshire	good	Building contains magnificent I
28582	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	12	Dunbar rainware 2	High Street	Dunbar East Lothian	good	12 as illus in 6th ed cat c1882
28581	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	65	Dunbar rainware 1	High Street	Dunbar East Lothian	good	1907 ... Macfarlane No 65 as i
26235	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	91	Beauly rainware	Post Office Station Road	Beauly Highland	good	on side of building ... (unmarke
25865	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	958	Ayr Station Hotel roof terminal 1	Ayr Station	Ayr South Ayrshire	good	Hotels ... terminal assembly di
									complete pair of Terminals No

26005	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Glasgow Ingram House ornamentation 1	Ingram House Ingram Street	Glasgow	good	complete Terminal No 305, as
28358	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	158 & 783	Edinburgh Nicolson Street roof terminal	Nicolson Street	Edinburgh	good	158, as illus in 6th ed cat c188
26233	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Beauly spandril bracket	Station Road	Beauly Highland	excellent	as illustrated in 6th ed cat c18
28475	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Campbeltown Hotel lettering	Street	Bute	excellent	photos & note J Bolton 05.200
28364	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Haddington rainware	Lydgait	Lothian	excellent	illus in 6th ed cat c1882 ... dat
25931	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Perth station rainware	Perth Station platforms 5&6	Perth Perth & Kinross	good	diamond TM ... note & photo J
28501	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Ilfracombe Royal Clarence Hotel lettering	Clarence Hotel	Ilfracombe Devon	excellent	hotel ... photos & note J Bolton
25785	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Dundee King's Cross Hospital terminals	Hosp	Dundee	good	...manufacturer assumed from
25867	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	119	Ayr Station Hotel roof terminal 2	Ayr Station	Ayr South Ayrshire	good	dated 1885... illustration from I
28822	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	1	Bury St Edmunds Post Office lettering	Post Office Cornhill	Suffolk	excellent	& image D Chappell 12.2009 .
28250	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	349	Beamish Museum roof terminal	(reception)	Beamish Durham	excellent	c1882 ... photo & note J Bolton
28825	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	62 & 50	Carlisle English Street roof terminals	English Street	Carlisle Cumbria	good	& railing as Railing No 50 ... pl
25839	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	163	Dumfries Annan Road terminal	Annan Road	Galloway	good	163 as illustrated in 6th ed cat
27679	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	43	Wigtown Town Hall roof terminal	Town Hall	Galloway	good	6th ed cat c1882 ... photos & r
27952	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	137	terminal	Matheson Road	Western Isles	good	c1882 & on property with othe
28070	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Edinburgh Royal Observatory rainware	Blackford Hill	Edinburgh	good	rain water heads & No 34 'orn
27950	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	12	Stornoway Matheson Road (E) rainware	Matheson Road	Western Isles	good	cat c1882 ... TM visible ... pho
28124	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Brazil Manaus Mercado Municipal 5	Bares	Brazil	good	c1882 ... (also in Barbados q.v
27150	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	9	Upper Largo pilasters	Main Street A917	Upper Largo Fife	good	as illus in 6th edition cat c188
28061	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Edinburgh Church Hill rainware	Morningside Road	Edinburgh	good	maker's TM visible but pattern
28053	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	231	Stranraer roof terminal 6	Sun Street	Galloway	good	association with roof railing 4 a
28052	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	436 & 42	Stranraer roof terminal 5	Sun Street NHS Building	Galloway	excellent	presumably originally fitted wit
27922	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	23	heads	Garden Road	Western Isles	good	cat c1882, also ornamental bra
26329	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		terminal	Ditherington Mill	Shropshire	stable	presumably built at time of cor
27895	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	25	Kelso rain water head 2	Court	Kelso Scottish Borders	good	cat c1882 ... photos & note J E
28128	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	62	Brazil Manaus Opera House rainware	Julho	Brazil	excellent	catalogue c1882 ... diamond T
27101	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	31	Pitlochry roof finial 4	Atholl Street	Kinross	stable	c1882 ... photos & note J Bolt
28133	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Barbados Bridgetown Colonnade 1	Colonnade Broad Street	West Indies	good	No 1125 railings as illus in 6th
28084	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	35	Stornoway Goathill Road (C) rainware	Goathill Road	Western Isles	good	cat c1882 ... diamond TM visit
28138	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Barbados Bridgetown Mutual Building 2	Broad Street	West Indies	excellent	lettering as illus in 6th ed cat c
28148	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	31	Pathhead Main Street rainware	Main Street	Pathhead Midlothian	good	no 24 as illus in 6th ed cat c18
27955	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	44	Stornoway Matheson Road (D) rainware	Matheson Road	Western Isles	good	cat c1882 ... diamond TM visit
27644	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	163	terminal	Road	Fort William Highland	stable	cat c1882 ... also railings qv ...
26932	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	48	Edinburgh Restalrig Church rainware	Willowbrae Road	Lodge	excellent	illus in 6th ed cat c1882 ... pho
26479	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Halifax Post Office lettering	Commercial Street	Halifax West Yorkshire	good	photo & note J Bolton 12.2006
27265	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Edinburgh RC Cathedral rainware	Lane	Edinburgh	good	.. but associated with Macf dia
27104	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	9	St Andrews roof terminal 2	South Street	St Andrews Fife	good	c1882 ... photos & note J Bolt
27757	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Tain roof terminal 1	Glenmorangie Road	Highland	good	c1882 ... photos & note J Bolt
27102	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	462	Pitlochry roof finial 3	Atholl Street	Kinross	stable	c1882 ... photos & note J Bolt
27747	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Thurso rain water head	High Street	Highland	good	... Macf No 45 as illus in 6th ed
28129	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Brazil Manaus Library rainware	Library Building	Brazil	excellent	... photos & note J Bolton 02.2
27891	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	47	Kelso rain water head 1	Square	Kelso Scottish Borders	excellent	cat c1882 ... maker's TM on pi
26396	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Kuala Lumpur station rainware	Kuala Lumpur Old Station	Malaysia	stable	diamond trade-mark, on othen
28108	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	75	rainware	Hotel)	Western Isles	good	c1882 ... diamond TM on dow
27512	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	281	Rothesay Royal Terrace roof terminals 1	Terrace	Bute	good	Terrace is a symmetrical grou
27511	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	42	Rothesay Royal Terrace roof terminals 2	Terrace	Bute	good	Terrace is a symmetrical grou
26688	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Aberfeldy Taybridge Road rainware	Taybridge Road	Kinross	good	as illus in 6th ed cat c1882 ...
28112	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Stornoway Town Hall rainware	Town Hall South Beach	Western Isles	good	Bolton 06.2008 ... pattern 'hop
27347	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	169	Edinburgh Princes Street roof terminals	Princes Street	Edinburgh	excellent	cat c1882 ... photos & note J E
27498	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	436	Rothesay Victoria Hotel roof terminals	Victoria Street Victoria Hotel	Bute	good	including almost complete cor
									diamond trademark, rainwater

26423	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Southend-on-Sea Palace Hotel lettering	Pier Hill	Essex	good	cat c1882, also on main eleva
27217	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	21	Edinburgh Leith rainwater head	Bernard Street	Edinburgh Leith	good	No 5) as illus in 6th ed cat c18
27575	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	349	Halkirk Ross Institute roof terminal	Bridge Street	Highland	excellent	weathervane as illus in 6th ed
26762	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Glenfinnan roof terminal	Glenfinnan House Hotel	Glenfinnan Highland	stable	c1882: decorative ridge cappi
27886	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Kelso roof terminal 1	Centre	Kelso Scottish Borders	at risk	c1882, also No 44 corner post
26350	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	88	Aberystwyth rainware	room	Ceredigeon Wales	good	ed cat c1882 ... note & photo
26786	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	253	Fort William Court House roof terminal	Street	Fort William Highland	good	others made similar) ... photos
26432	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Cheltenham rainware 1	St George's Road	Gloucestershire	good	diamond trade mark visible ...
26433	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Cheltenham rainware 2	Town Hall	Gloucestershire	good	rainwater heads & downpipes
27945	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Stornoway Matheson Road (A) rainware	Matheson Road	Western Isles	good	illus in 6th ed cat c1882, rwh n
28126	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Brazil Manaus Mercado Municipal 7	Bares	Brazil	good	Macfarlane No 378 roof termin
26375	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Penang '1886 building' rainware	Beach Street	Malaysia	stable	No 62 head (diamond tradema
27542	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	173	Tenbury Wells shopfront decoration	Teme Street	Hereford & Worcester	excellent	illus in 6th ed cat c1882 ... phc
28219	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Peebles Veitch's roof railings 1	High Street / Northgate	Borders	good	photos & note J Bolton 01.200
26253	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Gourock Albert Hotel lettering	Albert Hotel 59 Cove Road	Gourock Inverclyde	good	6th ed cat c1882 (Cove Road
28221	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	92	Peebles Veitch's rainware 2	Northgate	Borders	good	c1882 ...same pattern of rwh b
26197	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	92	Dingwall rainware 1	High Street Museum	Dingwall Highland	excellent	bracket)... same rwh on Rober
28222	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	91	Peebles Veitch's rainware 3	High Street	Borders	good	cat c1882 ... photos & note J E
26598	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Aberdovey lettering	Village centre	Wales	good	cat c1882 - unusual example v
27970	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	422	Stornoway Matheson Road (J) terminal 1	Matheson Road	Western Isles	excellent	c1882 ... photos & note J Bolto
27048	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	462	East Linton roof terminal	Community Hall	Lothian	good	ed cat c1882 .. may have had
26257	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Greenock roof terminal 1	Esplanade - harbour end	Greenock Inverclyde	excellent	cat c1882 ... note & photo J Bo
27984	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	15	Stornoway Matheson Road (O) rainware	Matheson Road	Western Isles	good	brackets as illus in 6th ed cat c
27057	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Taymouth Castle entrance lettering	entrance	Kinross	good	ed cat c1882 .... photos & note
27985	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	743	Stornoway Matheson Road (P) gate 2	Matheson Road	Western Isles	excellent	cat c1882 ... photos & note J E
28176	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Barbados Bridgetown Colonnade 3	Broad Street	West Indies	excellent	Macf No 42 RWH & No 18 pip
27431	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	42	Fraserburgh Saltoun Arms roof terminal	Saltoun Square	Aberdeenshire	lost	photographed in 02.1997, now
28220	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	64	Peebles Veitch's rainware 1	Northgate	Borders	good	c1882 ... photos & note J Bolto
27698	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Wick rainware 2	Sinclair Terrace	Highland	good	photos & note J Bolton 06.200
27971	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	93	Stornoway Matheson Road (J) terminal 2	Matheson Road	Western Isles	excellent	... photos & note J Bolton 06.2
26489	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Dunfermline Town Hall rainware	Town Hall Kirkgate	Dunfermline Fife	good	(also No 21 'dragon' rain wate
28016	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo	42	Stranraer Sheriff Court rainware	Lewis Street	Galloway	excellent	cat c1882 ... diamond TM just
26610	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Harrogate shelter roof terminals	Gardens	Yorkshire	good	cat c1882, used as cresting fo
27736	Walter Macfarlane & Co	Saracen Foundry Glasgow	bo		Wick rainware 3	Northcote Street	Highland	excellent	c1908 ... pattern not in Macf 6
289	Walter Macfarlane & Co	Saracen Foundry Glasgow	br		Cark & Cartmel station footbridge	Station	Furness Cumbria	fair	footbridges to stations across
260	Walter Macfarlane & Co	Saracen Foundry Glasgow	br		Aberdeen Union Bridge parapet 1	Union Bridge	Aberdeen	good	bridge's designer Dr. William K
259	Walter Macfarlane & Co	Saracen Foundry Glasgow	br		Rochester Bridge 2	A2 across Medway	Rochester Kent	excellent	erected by Walter Macfarlane
28778	Walter Macfarlane & Co	Saracen Foundry Glasgow	br		Callander rail bridge parapets	Ancaster Road	Callander Stirlingshire	at risk	Callander Station c1870 ... ma
258	Walter Macfarlane & Co	Saracen Foundry Glasgow	br		Exeter bridge & lamps	Exe Bridge	Exeter Devon	good	Examples of Macfarlane's Cas
28287	Walter Macfarlane & Co	Saracen Foundry Glasgow	br		Rochester Bridge 1	A2 across Medway	Rochester Kent	excellent	'cast iron parapets pedestals &
25923	Walter Macfarlane & Co	Saracen Foundry Glasgow	br	1106	Wooler bridge parapet	Lilburn Junction A697	Northumberland	good	disfigured by crash barriers ...
26126	Walter Macfarlane & Co	Saracen Foundry Glasgow	br		Aberdeen Duthie Park bridge parapet	Duthie Park	Aberdeen	good	to & presumably from Union B
261	Walter Macfarlane & Co	Saracen Foundry Glasgow	br		London bridge parapets Southwark	Southwark Bridge	London	fair	supplied parapets and lighting
26986	Walter Macfarlane & Co	Saracen Foundry Glasgow	br		Leamington Spa bridge parapets	Adelaide Bridge	Warwickshire	good	central ornamental parapet pill
26352	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Llandrindod Wells columns & windows	Store	Powys Wales	excellent	TM), and spectacular unmarke
26385	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		columns 2	Church Street	Malaysia	excellent	balcony above, using same co
28817	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Jamaica Port Antonio verandah	De Montevin Lodge	Port Antonio Jamaica	good	recognisably Macfarlane & Co
250	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Leeds Thornton & Co window panels	Thornton & Co Ltd Briggate	Leeds West Yorkshire	good	Macfarlane's Architectural Iron
27242	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	132	Strathyre hotel front columns	Street A84	Strathyre Stirlingshire	stable	cat c1882 ... lower section bel
244	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Belfast façade (Coates)(lost)	Street	Ireland	lost	'Examples of Macfarlane's Arc
									Macfarlane's Architectural Iron

242	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		London cinema façade	Oxford Street	London	lost	in 'Macfarlane's Examples of A
26152	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Berwick Brown Bear Inn shopfront	Inn	Northumberland	good	the 6th ed cat c1883, similar to
397	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		frontage	Deansgate Barton Arcade	Manchester	excellent	entire structure in rivetted wro
325	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		India Madras Tea Garden	G D'Angelis & Son Ltd	India Madras	not known	Architectural Ironwork' c1921
25912	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Liverpool facade (VIP)	Street	Liverpool	stable	Orleans House q.v., with make
25911	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Liverpool Orleans House window panels	et al	Liverpool	good	same architect, less decoratio
25778	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Brazil Fortaleza Theatre	Teatro Jose de Alencar	Brazil Fortaleza	excellent	T da Costa in 'Arquitetura de F
292	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		India Madras banking hall	Madras	India Madras	not known	.... illustration from 'Examples
248	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Hartlepool Co-op Building window panels	Society Park Road A689	Hartlepool Durham	stable	under conversion into flats afte
236	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		London facade Selfridges	Selfridges Oxford Street	London	excellent	bronze powder.....illustration f
235	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Liverpool facade (Cotton Exchange)	Hall St / Edmunds St	Liverpool	excellent	facades, windows and breast p
26369	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		columns 2	Leith Street	Malaysia	excellent	columns, supporting No 1 bra
26368	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		columns 1	Leith Street	Malaysia	excellent	century and was conducted in
26372	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		stairs	Leith Street	Malaysia	excellent	surprisingly with no apparent r
25676	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Wigan Mesnes Park pavilion gallery	Mesnes Park	Wigan Lancashire	stable	visible) also entrance canopy c
247	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		London Bosch / Glen window panels	House	London	excellent	Co ... Hobden and Porri archit
28606	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	158	Fort William spandrils	off North Road (ex distillery)	Fort William Highland	excellent	on converted former distillery b
241	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Oxford Waterstone's window panels	Corner	Oxford Oxfordshire	excellent	William Baker & Co. dated 191
26384	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		columns 1	Church Street	Malaysia	excellent	1930s, restored as a museum
390	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Darlington Blackwellgate façade	24 Blackwellgate	Darlington Durham	good	CC c1995 - this facade to be r
567	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Rothesay Wintergarden	Victoria Street gardens	Bute	good	stand using traditional & art de
25775	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Brazil stations	Station	Serra	good	Macfarlane's Castings' c1911
415	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		heads	Free Church of Scotland	Glasgow	excellent	collaborative and symbiotic eff
25838	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	132	column	English Street	Galloway	excellent	c1883 ... maker's name on bac
389	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Darlington Tubwell Row facade	Row	Darlington Durham	good	1860 is correct this is impressi
406	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Brazil Manaus Mercado Municipal 1	Mercado Municipal	Brazil	good	'Arquitetura de Ferro no Brasil
249	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		(lost)	Friar Street ?	Reading Berkshire	lost	recorded in Macfarlane advert
246	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		London Prudential Assurance façade	Street Holborn	London	lost	Brooke St elevation, now rede
28559	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	68	Brodick bracket & column	Vantage Pharmacy	Ayshire	good	illus in 6th ed cat c1882 ... phc
28558	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	131	Brodick window columns	Seafront	Ayshire	good	c1882 ... photo & note J Bolton
251	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Leeds 'Post Office House' facade (lost?)	Street	Leeds West Yorkshire	lost?	'Examples of Macfarlane's Arc
26915	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	131	Kirkcaldy shopfront 2	Dunikier Road	Kirkcaldy Fife	excellent	illus in 6th ed cat c1882 - nam
26829	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Colwyn Bay shopfront columns	Abergele Road A547	Wales	good	Macfarlane Cols No 124 as illu
26463	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Darlington Tubwell Row shopfront	Row	Darlington Durham	excellent	1860 is correct this is impressi
25722	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Dublin Elvery's window panels	Sackville Street)	Dublin Ireland	good	Macfarlane's Castings (at thal
27798	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	164	St Andrews shopfront 05 'Butler & Co'	Church Street	St Andrews Fife	excellent	Trust ... unmarked columns, b
28301	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	5	Neebors'	South Street	St Andrews Fife	good	Preservation Trust ... unmarke
27796	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	5	Crieff shopfront 1	King Street	Kinross	good	illus in 6th ed cat c1882 ... ima
25882	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	123	Lanark shop front	shop	Lanarkshire	good	6th ed cat c1883 ... note & phc
26626	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Lincoln former racecouse grandstand	Saxilby Road A57	Lincoln Lincolnshire	stable	in 1983 ... racecourse closed i
26473	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Halifax Market Hall brackets etc	Market Hall Market Street	Halifax West Yorkshire	good	Macf No 87 brackets as illus ir
26474	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Halifax Market Hall stalls	Market Hall Market Street	Halifax West Yorkshire	good	balcony ... round & square col
240	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		London Westminster University façade	University	London	excellent	Westminster).... illustrated in '
25790	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Brazil Belem Market Hall	not identified	Brazil Belem	good	de Ferro no Brasil' Sao Paolo
27797	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	150	St Andrews shopfront 04	Bell Street	St Andrews Fife	excellent	Trust ... unmarked column, bu
27095	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Pitlochry shop front 1	Atholl Street	Kinross	good	illus in 6th ed cat c1882 ... phc
26095	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		London John Barker's window panels	Kensington High Street	London	lost	Bought by House of Fraser in
26478	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Halifax Commercial Street shop columns	Commercial Street	Halifax West Yorkshire	good	Macfarlane cols No 138 above
26601	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Douglas IOM former Market Building	British Legion Hall	Douglas Isle of Man	good	Macfarlane & steel joists rollec
26100	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		(lost)	Fenchurch Street	London	lost	(?Architectural Review) c1920
									Ironmonger'Mr Birchall ... 'tran

254	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Belfast façade (Dobbin) (lost?)	William Dobbin & Co Ltd	Ireland	lost?	illustration from 'Examples of M
28300	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		St Andrews shopfront 08 'Jamie's'	South Street	St Andrews Fife	good	Preservation Trust ... photos &
252	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		London facade Racing Green	Regent Street	London	excellent	others, in 'Macfarlane's Examp
253	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Manchester facade (Lloyds)	Street	Manchester	not known	Warehouses, Ltd .... illustratio
25721	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Dublin University window panels	Dublin University	Dublin Ireland	good	Ironwork' c 1921 ... photo: A D
28125	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Brazil Manaus Mercado Municipal 6	Bares	Brazil	good	... illustrated in Macf Supplem
287	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Brazil Sao Paolo station ironwork	Luz Station	Brazil Sao Paulo	good	Entire structure shipped to Bra
255	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Liverpool shopfront (Lees) (lost)	GH Lee & Co Basnett St	Liverpool	lost	Partnership since 1940, buildi
28122	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Brazil Manaus Mercado Municipal 2	Bares	Brazil	not known	Supplementary catalogue c19
28123	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Brazil Manaus Mercado Municipal 4	Bares	Brazil	good	catalogue c1911 ... internal rai
25720	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		Dublin Concert Hall window panels	Concert Hall	Dublin Ireland	good	Ironwork c1921 ... photo ; A D
284	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		India Spiri palace	Summer Palace	India Spiri	not known	structure with balconies and te
28282	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu	131	Cambridge shopfront columns	St John's Street	Cambridge	excellent	as illus in 6th ed cat c1882 (als
239	Walter Macfarlane & Co	Saracen Foundry Glasgow	bu		London Skinner's Arms window panels	Street	London	lost	illustrated in 'Macfarlane's Exa
123	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		Middlesbrough clocktower	Albert Park	Yorkshire	excellent	the Isle of Man. Restored by H
539	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		Douglas IOM clocktower	Promenade	Douglas Isle of Man	good	Marked W Macfarlane & Co G
413	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		Ramsey clocktower	Great Whyte	Huntingdon	good	Right Honorable (sic) Edward
540	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		Rotherham Hastings clock tower	Civic Centre	Yorkshire	excellent	commemorates the Coronatio
25776	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		Brazil Belem clocktower	Praca do Relogio	Brazil Belem	good	'Arquitetura de Ferro no Brasil
25716	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		Edinburgh Morningside clocktower	Morningside Cross	Edinburgh	good	traffic. Base has dedication pl
25779	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		West Bromwich Farley clocktower	Farley shopping centre	Staffordshire	good	Photo J Bolton 12.2003
377	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		Edinburgh Tollcross clocktower	Tollcross	Edinburgh	good	or date but identical to clockto
26060	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct	35	Singapore Lau Pa Sat market clocktower	market	Singapore	excellent	directly out of Macfarlane's cat
324	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		Dorchester clock tower	Borough Gardens	Dorchester Dorset	good	clocktower (perhaps to compe
26470	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		Halifax Market Hall clocktower	Market Hall Market Street	Halifax West Yorkshire	excellent	assembly of components of va
232	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct		Wolverhampton clock tower	West Park	Midlands	excellent	c2003
67	Walter Macfarlane & Co	Saracen Foundry Glasgow	ct	231	Bridge of Allan clocktower	Henderson Street	Bridge of Allan Stirling	fair	diamond TM just discernable a
26687	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Aberfeldy Taybridge Road canopy	Taybridge Road	Kinross	good	presumably by others ... buildi
25903	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		(Macfarlane 3)	Cloddaeth Street (Mackays)	Wales	good	illustrated in Macfarlane's 6th e
329	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Dundee entrance canopy	Broughty Ferry Road	Dundee	good	& No 169 'bracket enrichments
28880	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	158 & 201	Lincoln verandah	The Avenue	Lincoln	excellent	Pilasters, No 158 Spandril Arc
25902	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		(Macfarlane 2)	Cloddaeth Street (North)	Wales	good	in Macfarlane's 6th ed cat c18
25901	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		(Macfarlane 1)	Cafe	Wales	good	shaft No 1, girder No 3, & infill
26633	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	133 & 53	New Zealand Auckland canopy (lost?)	Federal Street	Zealand	lost ?	6th ed cat c1882, at home of I
28461	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Inveraray Hotel canopy 2	The Argyll Hotel (new name)	Bute	good	Hotel using Macf components
27288	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	132	Callander Trossachs entrance canopy	Tigh Mor Trossachs HPB	Stirlingshire	excellent	canopy ... later (? replacement
26573	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	229	Edzell entrance canopy	High Street	Edzell Angus	good	6th ed cat c1882 ... cf spandril
378	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Glasgow Great Western Road canopy	998 Great Western Road	Glasgow	at risk	in WMC. Designed, like 22 Pa
26417	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	140	verandah	The Esplanade	Sussex	good	6th ed cat c1883 ... also other
25827	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Grange-over-Sands pavement canopies	road to Kendal	Cumbria	good	canopies with No85 spandril a
26827	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Colwyn Bay pavement canopy 2	Penrhyn Road	Wales	stable	6th ed cat c1882 (adjacent car
294	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		(lost)	Grand Hotel Fir Vale Road	Bournemouth Dorset	lost	Macfarlane's Architectural Iron
106	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Stirling Balmoral Road canopy	Balmoral Road	Stirling	good	Drinking Fountain.
28796	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	299	Adelaide Oakbank verandahs	Dalintoba 26 Pike Street	South Australia	excellent	Macfarlane's 6th ed cat c1882
490	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Stirling Melville Terrace entrance canopy	Melville Terrace	Stirling	good	glass panels!)as found in Macf
26035	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Southport 657 Lord Street canopy	Lord Street	Southport Lancashire	good	columns, as illustrated in 6th e
26039	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Southport 219 Lord Street canopy	Street	Southport Lancashire	excellent	railing as beam, 86 railing as c
288	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Greece Phalerum Station ironwork	Phalerum Station	Greece Phalerum	not known	Ironwork' c1921
26048	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Southport 311 Lord Street canopy	Street	Southport Lancashire	good	railing as cresting, all as illustr
26049	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Southport 137 Lord Street canopy	Yates's 137-141 Lord Street	Southport Lancashire	excellent	columns & 160 cantilever brac
									& spandril No 158 (& rainwate

27147	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Burntisland 'Beach House' 1	Lochies Road	Burntisland Fife	good	to B&B accommodation early
28852	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Wigan Mesnes Park pavilion canopy	Mesnes Park	Wigan Lancashire	stable	for refurb Autumn 2010 ... Mac
28924	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	104 31	Ballater entrance canopy 2	Braemar Road	Aberdeenshire	good	Columns No 104 & Brackets N
27442	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Fraserburgh entrance canopy	King Edward Street	Aberdeenshire	stable	Macfarlane No 85 spandril arc
28925	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	155 115 31	Ballater entrance canopy 1	Braemar Road	Aberdeenshire	good	Macfarlane & Co Railing No 1
27649	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	139 & 55	Fort William Highland Hotel Ironwork 1	Hotel)	Fort William Highland	excellent	name on columns & bracket in
27650	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	42	Fort William canopy brackets	Union Road (below)	Fort William Highland	good	42 in 6th ed cat c1882 ... phot
26954	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Grantown-on-Spey entrance canopy	Seafield Avenue	Highland	excellent	Macfarlane No 133 columns &
28711	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Glasgow Prince Albert Road canopy	Prince Albert Road	Glasgow	excellent	photos & note J Bolton 06.200
157	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Pwllheli pavement canopies 1	Cardiff Road	Wales	stable	columns No 115 & brackets N
26169	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	204	Kilmun porch	A880 shoreside road	Kilmun Argyll & Bute	good	as illustrated in Macfarlane's 6
27148	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Burntisland 'Beach House' 2	Lochies Road	Burntisland Fife	good	cat c1882:- railing No 163, col
298	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Glasgow King's Theatre canopy (lost)	Street	Glasgow	lost	facia plates for the structural e
297	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Leeds Grand Theatre canopy (lost)	Briggate	Leeds West Yorkshire	lost	q.v.)... illus from 'Examples of
28460	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Inveraray Hotel canopy 1	renamed)	Bute	rebuilt	components including bracket
302	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Wallasey Liscard pavement canopy (lost)	Village	Wirral	lost	from 'Examples of Macfarlane'
28907	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Fortrose entrance canopy	Cathedral Square	Fortrose Highland	good	components: Columns No 134
301	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Bournemouth Westover canopy	Place	Bournemouth Dorset	good	Ironwork' c1921 - apparently u
296	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Birkenhead Park Cinema canopy (lost)	Gaumont)	Birkenhead Wirral	lost	06.2005 ... cinema now a furni
346	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Brechin Station canopies	Caledonian Railway Station	Brechin Angus	good	platform canopies (which curre
295	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec		Bournemouth Beale's canopy (lost)	JE Beale (The Fancy Fair)	Bournemouth Dorset	lost	from other on same site ... bot
28343	Walter Macfarlane & Co	Saracen Foundry Glasgow	ec	135 & 52	Plymouth Hoe Cafe verandah	The Hoe	Plymouth Devon	excellent	& No 52 brackets (rare!) as illu
361	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Stranraer drinking fountain	Town Centre Castle precinct	Galloway	poor	commemorate QV's Record R
27654	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		Fort William drinking fountain & trough 1	(Gordon Square)	Fort William Highland	lost	illus in 6th ed cat c1882 ... see
76	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	fountain	Glasgow Green (east end)	Glasgow	excellent	Langside Halls Crossmyloof . I
356	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Gourock Albert Road drinking fountain	Albert Road	Gourock Inverclyde	poor	replacement aluminium font ba
357	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	19	was)	Court Street	Lothian	good	fountain (existing also at e.g. F
27737	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	19	Thurso drinking fountain	Esplanade	Highland	good	fountain (c.f. Haddington etc) a
360	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Motherwell drinking fountain	Street	Lanarkshire	good	presented No 8 drinking founta
71	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Hoylake drinking fountain	promenade	Hoylake Wirral	excellent	erected by Eura Restorations i
26973	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	18	Ardersier drinking fountain	B 9006	Ardersier Highland	stable	the reign of Queen Victoria - ra
25758	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	fountain	City Park	Australia	excellent	gates, moved to present positi
556	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	17	1	Dudhope Park	Dundee	derelict	Milford Haven & Falstone. Tha
79	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	fountain 1	Mowbray Gardens	Wear	excellent	restored in 2000 by Heritage E
81	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	fountain	The Braes	Newport-on-Tay Fife	fair	diamond TM on base of colum
26611	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Stansted Mountfitchet drinking fountain	Silver Street	Essex	stable	with stork missing ... refurbish
557	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	fountain	The Sunken Gardens	Ireland	fair	by the Bangor Corinthian Sailii
84	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	drinking fountain	Pearson Park	East Yorkshire	good	fountain & canopy, reasonably
27212	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		Stafford Sidney drinking fountain (lost)	Gaol Square	Stafford Staffordshire	lost	by a clock 1906 (cf Ramsey q
358	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	16	Inverurie Station drinking fountain	Inverurie Railway Station	Aberdeenshire	good	6th ed cat c1883, wall mounte
25813	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	40	Cape Town Mowbray drinking fountain	Catholic Church)	Town Mowbray	good	in 6th ed cat c1882 ... image w
27066	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	27	Loanhead 'The Fountain' (lost)	village centre crossroads	Loanhead Midlothian	lost	pillar, drinking fountain & dog t
25772	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	31	lamp	John's Church	Dunoon Argyll & Bute	good	drinking fountain with lamp, bu
26705	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		Girvan drinking fountain (lost)	Stair Park	Girvan South Ayrshire	lost	assumed lost ... appears simil
27065	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	12	trough	Road	Borders	good	'Broomlee Band of Mercy' ... s
472	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	fountain	Handsworth Park	Birmingham	excellent	canopy (& bandstand) very rec
25820	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		New Brighton drinking fountain (lost)	Pier Head / Victoria Street	New Brighton Wirral	lost	similar drinking fountain 'on W
555	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Dundee Hawkhill drinking fountain (lost)	Hawkhill	Dundee	lost	lamp Standards adjacent also.
28546	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Cowes drinking fountain	Esplanade	Wight	excellent	Fountain, in apparently excelle
25819	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Adelaide Port Adelaide drinking fountain	Street Port Adelaide	Australia	good	originally on North Parade (ref
									of care & attention - poorly pre

25787	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Brazil Humaita drinking fountain	not identified	Amazonas	good	Brasil' SAo Paolo 1994
352	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	16	Dumfries Station drinking fountains	Station	Galloway	fair	illustrated in Macfarlane's 6th
86	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	(lost)	Railway Square	Wales Australia	lost	picture from 1930s , fountain it
354	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	Fraserburgh Saltoun drinking fountain	Saltoun Place	Aberdeenshire	fair	Strichen Road for £128 ... mov
27210	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	7	Cadder cemetery drinking fountain (lost)	Cadder Cemetery	Dunbartonshire	lost ?	shows df in cemetery - no sign
25815	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Burgersdorp drinking fountain	Town Square	Burgersdorp	good	celebrating Queen Victoria's D
502	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	19	Italy San Valentino drinking fountain	San Valentino	San Valentino Italy	stable	6th ed cat C1883 ... Identical t
28784	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	(lost)	opp Parish Church Hall	Lesmahagow	lost	recorded ... info 'Lanark Gazet
484	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Edinburgh NMS drinking fountain	Scotland, Chambers Street	Edinburgh	good	missing and has s/s packers ir
28984	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	19	Bootle Derby Park drinking fountain	Derby Park	Lancashire	excellent	in grounds of Bootle Hospital,
28800	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Adelaide Glenelg drinking fountain	Partridge House Glenelg	Australia	good	M.P. 1877' ... originally sited a
28873	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		Kirkintilloch Wallace drinking fountain	not identified	Dunbartonshire	unknown	reported in the Glasgow Herald
28794	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	18	Wagin drinking fountain Australia	The Park	Australia	good	as illus in 6th ed cat c1882 ...
388	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Coatbridge drinking fountain 1	Summerlee Heritage Centre	Lanarkshire	good	restored & re-erected in Herita
27119	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Darwen Catlow drinking fountain	Whitehall Park	Lancashire	excellent	Richard Hoare (& photos 10.2
25684	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	fountain	Dalmuir Park	Dunbartonshire	fair	glowing two-tone gold, but in s
25671	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Bathgate Steelyard drinking fountain	Steelyard (Main Square)	Bathgate West Lothian	good	Eydmann, Conservation Office
53	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	fountain	Castle precinct	Cumbria	fair	cared for than its twin at Askar
504	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	fountain	Courthouse	Jamaica West Indies	good	standard .... Info from Jamaica
49	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Bristol Clifton Down drinking fountain	bridge	Bristol	excellent	EH?)but appears to be a Macf
507	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	18	Fintry drinking fountain	village centre	Fintry Stirling	good	cat c1883 .... photos J Bolton (
28542	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Welshpool drinking fountain (lost)	Live-stock Market	Welshpool	lost	no info as to its history has be
508	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	45	Holt drinking fountain & lamp	Obelisk Plain	Holt Norfolk	fair	Market Place....moved to mak
26757	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	15	Spean Bridge drinking fountain (lost?)	Railway Station	Highland	lost?	platform canopy - Macfarlane
509	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	Rothesay drinking fountain (lost)	Victoria Street gardens	Bute	lost	c1920 ... no other info availabl
103	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Tipton Victoria Park drinking fountain	Victoria Park	Midlands	Poor	dome. Dedication plaque heav
25723	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	16	trough	Innerwick village	Dunbar East Lothian	good	inscribed VR Jubilee 1887, ad
45	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Sydney Beare Park drinking fountain	Beare Park Elizabeth Bay	Wales Australia	good	1870, probably not in original
27118	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Preston Haslam Park drinking fountain	Haslam Park	Preston Lancashire	good	excellent condition but griffin g
28777	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Limerick O'Brien Park dinking fountain	Clare Street	Limerick Ireland	good	& info www.limerick.ie ... note
25741	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	Durban da Gama clock/ fountain	da Gama Clock	South Africa Durban	good	fountain with clock terminal wit
26758	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		Leuchars Station drinking fountain (lost?)	Leuchars Railway Station	Leuchars Fife	unknown	Station (& Tay Bridge) - Macfa
87	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Renton drinking fountain canopy	Main Street	Dunbartonshire	poor	q.v. is by Glenfield & Kennedy
27622	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	16	Creetown drinking fountain	St John Street	Galloway	stable	No 16 drinking fountain ... mak
25727	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		Falstone drinking fountain	Village centre	Northumberland	good	suffered from corrosion in the
527	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		Kirkcaldy Abbotshall drinking fountain	Abbotshall Churchyard	Kirkcaldy Fife	excellent	illus in 6th ed cat c1883 ... res
26838	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	11	Falkland House horsetrough	Falkland House stable block	Falkland Fife	excellent	refurbished c2005 ... top plate
25672	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Aberfeldy The Square drinking fountain	The Square	Kinross	good	pattern fountain and canopy w
89	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	Glasgow Rutherglen drinking fountain	Overtoun Park	Glasgow Rutherglen	good	since removed. Unusual round
538	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	India Calcutta drinking fountain	The Maidan, Chowringhee	India Calcutta	not known	building that some Calcutta re
519	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Oban drinking fountain (lost)	Street	Oban Argyll & Bute	lost	canopy formerly positioned in
25669	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	fountain	Anderson Park	Ireland	good	.... www.colerainebc.gov.uk 05
26704	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Barr drinking fountain	Stinchar Road	Barr South Ayrshire	excellent	(plaque) ... excellent complete
530	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	Lincoln drinking fountain (lost)	The Arboretum ?	Lincoln Lincolnshire	lost	top of Rothesay q.v. .... Note:
92	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Shildon Hackworth Park drinking fountain	Hackworth Park	Shildon Durham	good	working push taps, & other sin
26691	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		Orkney Stromness trough	Harbour	Stromness Orkney	good	photo D Mitchell 04.2007
48	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Brora drinking fountain	High Street (A9)	Highland	poor	with No 35 lamp pillar mounte
28157	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	Walsall Willenhall drinking fountain	Willenhall Memorial Park	West Midlands	good	revealing Macfarlane name, a
119	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Shirehampton drinking fountain	The Green	Shirehampton Bristol	excellent	face QV shield and 'Queen Vic
									Heritage Engineering in 2003.

145	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Cardiff Hayes Island drinking fountain	Hayes Island	Cardiff Wales	lost?	No information available 10.
121	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Cardiff Victoria Park drinking fountain	Victoria Park	Cardiff Wales	good	Cardiff, canopy only now encl
26494	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		fountain	Abbotshall Primary School	Kirkcaldy Fife	stable	fountain as illustrated in 6th ec
339	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	19	Fleetwood Euston Park drinking fountain	Euston Park	Fleetwood Lancashire	at risk	that at Haddington, Bath & els
28246	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Dominica Roseau drinking fountain	Town Centre	West Indies	good	illus in 6th ed cat c1882 ... info
335	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	7	Pitlochry Station drinking fountain	Station platform	Kinross	good	(?source) ... previously in mult
28158	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	(lost)	Hickman Park	Bilston West Midlands	lost	lost ... recognizably Macfarlan
28912	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		Gigha drinking fountain	opposite Post Office	Gigha Argyll & Bute	stable	cat c1882 ... photo & note J B
28373	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	Paisley Hawkhead drinking fountain	Hawkhead Cemetery	Paisley Renfrewshire	good	c1882 ... 'Presented by Archib
126	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	fountain	Palmyra Square	Warrington Cheshire	good	of the last, we are a shadow'...
313	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	18	(lost)	promenade	Wallasey Wirral	lost	Macfarlane's Structural Ironwo
26397	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	(lost)	Light Street / The Esplanade	Malaysia	lost	'Khoo Salma Nasution & Malc
122	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	Merthyr Tydfil drinking fountain	car park	Merthyr Tydfil Wales	fair	reerected with previously miss
337	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	17	Milford Haven drinking fountain	Town Hall)	Pembrokeshire Wales	stable	catalogue c 1882 .... originally
28160	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	16	Wallasey Grove Road drinking fountain	Grove Road nr station	Wallasey Wirral	at risk	Macfarlane No 16 drinking fou
26401	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	18	Stowmarket drinking fountain	Finborough Road	Stowmarket Suffolk	excellent	Macf df No18 as illustrated in
26080	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Sydney Darlinghurst drinking fountain	Green Park Darlinghurst	Wales Australia	good	1870, font replaced in 1910s f
127	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	20	West Bromwich Farley drinking fountain	High Street, Princess Arcade	Sandwell Staffordshire	excellent	shopping precinct in protective
28290	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	15	fountain	Eastwood New Cemetery	Eastwood Glasgow	stable	cat c1882 ... maker's diamond
26081	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	(lost)	The Rocks Fort St	Australia Sydney	lost	1870 - ref: www.cityofsydney
28947	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	15	Shanklin drinking fountain	The Esplanade	Shanklin Isle of Wight	excellent	fountain as illus in 6th ed cat c
25974	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	18	St Anne's promenade drinking fountain	Promenade	Lancashire	stable	their 6th ed cat c1883 ... paint
26079	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Sydney Macquarie drinking fountain	Macquarie Square	Wales Australia	stable	imported in 1870 ... probably c
146	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	fountain	Margaret's Church	Cardiff Wales	lost	Monmouthshire - ref Ifor Edwa
25927	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	7	Brechin drinking fountain (lost)	St Ninian's Square	Brechin Angus	lost	well-worn fountain (with unusu
28355	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	17	London Wimbledon drinking fountain	not identified (now moved)	London Wimbledon	excellent	lacquered and was salvaged f
147	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Cardiff Bute Place drinking fountain	Bute Place, Cardiff Docks	Cardiff Wales	stable	Collection
26071	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	31	fountain	John's Street	Australia	good	c1882 ... lantern believed to b
134	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Bathurst drinking fountain	Machattie Park	Wales Australia	good	www.bathurst.nsw.gov.au , im
148	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Cardiff Llandaff Fields drinking fountain	Llandaff Fields	Cardiff Wales	lost?	sold at Sotheby's for £10500 (
341	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	16	(lost)	Caledonian Railway Station	Borders	lost	when station was demolished
26431	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		(lost)	Main Street	South Atlantic	lost	... identified from early postcar
28271	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	50	(lost)	lower Church Street	Preston Lancashire	lost	illus in 7th ed cat c1902 ... dat
26542	Walter Macfarlane & Co	Saracen Foundry	fd	5	Carriden drinking fountain	Carriden churchyard	Falkirk	stable	No 5 drinking fountain as illus
26538	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	5	Minehead station drinking fountain	Minehead Station	Minehead Somerset	excellent	complete except for cup, as ill
28239	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Pakistan Lahore drinking fountain (lost)	The Mall / Anarkali	Lahore Pakistan	lost	cat c1882 ... was at Anarkali c
26413	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	fountain	Market Place	Oxfordshire	good	illustrated in Macf 6th ed cat c
141	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	(sold)	'The Mount'	Monmouthshire Wales	missing	from the Council - illustrated o
131	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd		fountain	Cwmdonkin Park	Swansea Wales	good	ed cat c1883, but ? modified t
143	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Cardiff Kingsway drinking fountain	Kingsway	Cardiff Wales	lost	Lost.
144	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	21	Cardiff Roath Park drinking fountain	Roath Park	Cardiff Wales	lost	Samuel family in Cardiff, fate r
40	Walter Macfarlane & Co	Saracen Foundry Glasgow	fd	8	Chorley Astley Park drinking fountain	Astley Park	Chorley Lancashire	poor	within. Canopy has major corr
336	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo		fountain	Aberdare Park Trecynon	Cynon Taff Wales	excellent	Merthyr donated to the inhabit
25725	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo		Port Elizabeth PAG Memorial fountain	St George's Park	Elizabeth	excellent	refurbished in 2006 - see also
25914	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo		Singapore Raffles Hotel fountain	ex Orchard Road Market	Singapore	excellent	'originally imported early 1890
25738	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo		Torquay Princess Gardens fountain	Princess Gardens	Torquay Devon	good	and elsewhere, marked with M
25707	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo		Youghal fountain	promenade?	Youghal Ireland	poor	at Penang Turf Club q.v. - und
25715	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo	19	Haddington Court Street fountain	Court Street	Lothian	good	erected 1924 ... converted to c
393	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo		Pretoria Sammy Marks fountain	Zoological Gardens	South Africa Pretoria	good	Park Glasgow (and to Warring
									c.f. main image 09.1996 .... no

26804	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo	63	Wick fountain lion heads	Riverside Park	Highland	good	Macf No 63 'fountain enrichme
28163	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo	121	Canada Halifax Public Gardens fountain	Public Gardens	Canada	good	section is a Macfarlane No 12
315	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo		Fountain	Alexandra Park	Glasgow	good	& gifted to the City, moved to
28248	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo	123	Cape Town The Strand fountain	The Strand	Town	good	illus in catalogue ... similar exa
26398	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo		Bournemouth Grand Hotel fountain (lost)	Grand Hotel Fir Vale Road	Bournemouth Dorset	lost	Architectural Ironwork' c 1921,
26537	Walter Macfarlane & Co	Saracen Foundry Glasgow	fo	121	Taunton Vivary Park fountain	Vivary Park	Taunton Somerset	good	Hartlepool, Aberdare & Singap
26867	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	189	Castle Douglas King Street gates 1	King Street A713	Dumfries & Galloway	good	6th ed cat c1882 , also railing
25817	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	745	Adelaide North Terrace gate posts	North Terrace	Australia	good	Standard as illustrated in Macf
26732	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	809	Caddonfoot estate gates	A707 west of Galashiels	Scottish Borders	good	6th ed cat c1882 (also railings
26887	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Kirkcudbright Tongland Road gates 1a	Tongland Road A711	& Galloway	excellent	maker's name on adjacent rail
26675	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Fraserburgh Cemetery gates	Cemetery Road	Aberdeenshire	excellent	on matching railing & indeciph
26676	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Aberfeldy Kenmore Road gate 1	Kenmore Road	Kinross	good	almost all railings have been lo
26886	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Kirkcudbright Tongland Road gates 1	Tongland Road A711	& Galloway	excellent	maker's name on adjacent rail
26677	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Aberfeldy Kenmore Road gate 2	Kenmore Road	Kinross	good	almost all railings have been lo
322	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Rosebank Maudslie gates (lost)	Mauldslie Castle lodge (A72)	Lanarkshire (Carluke)	lost	Ironwork' c1921 .... date from
26419	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		1	Milton Road	Hampshire	good	gates themselves q.v.) ... illust
26082	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	845	Sydney Rose Bay Gardens gate	Rose Bay gardens	Wales Australia	excellent	TMs but overthrow carries thre
26420	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		2	Milton Road	Hampshire	good	gates themselves q.v.)... illust
26718	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	207	Galashiels Scott Park entrance gates	Scott Street	Borders	good	gate as illus in 6th ed cat c188
26721	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	464	Selkirk Bannerfield House gates	Road A707	Borders	excellent	6th ed cat c1883 ... date from
26860	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Castle Douglas Ernspie Road gate 1	Ernspie Road A745	Dumfries & Galloway	good	... also railing qv ... photos & n
28090	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	145	Stornoway Goathill Road (G) gate	Goathill Road	Western Isles	good	c1882 ... photos & note J Bolto
26859	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	80	Castle Douglas Dunmuir Road gate 2	Dunmuir Road	Dumfries & Galloway	stable	c1882 , damaged but operatio
26858	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	214	Castle Douglas Dunmuir Road gate 1	Dunmuir Road	Dumfries & Galloway	good	cat c1882, with No 701 pillars
28607	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	43	screen door	Cameron Mausoleum	North Ballachulish	stable	location ... unmarked but with
26880	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	126	Kirkcudbright St Mary Street gates 03	houses	& Galloway	stable	(without finial ball) as illus in 6
27916	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	840	Stornoway James Street gates 2	James Street	Western Isles	good	c1882 on adjacent properties .
28576	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	63	Balmaghie House gates 1	Balmaghie House	Dumfries & Galloway	stable	(since demolished) ... unmarke
26686	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Aberfeldy Kenmore Road gate 3	Kenmore Road	Kinross	stable	almost all railings have been lo
26088	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	739 & 1054	Cardross gates	Braid Road / A814	Cardross Argyll & Bute	excellent	presumably reconstructed fron
316	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Argentina Mendoza Gates	General San Martin Park	Argentina Mendoza	excellent	Macfarlane's 'Examples of Arc
27626	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Glenluce gate 1	Main Street	Galloway	stable	cat c1882 (& railing q.v.) ... bo
27140	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	189	Castle Carrock Church gate	St Peter's Church	Cumbria	excellent	illus in 6th ed cat c1882, very
26909	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Sanquhar gates 5	Glasgow Road	Galloway	good	railings No 1022 qv) as illus in
26684	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Aberfeldy Taybridge Terrace gate 1	Taybridge Terrace	Kinross	stable	almost all railings have been lo
26895	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	741	Kirkcudbright St Mary Street gates 07	St Mary Street	& Galloway	stable	railings qv) as illus in 6th ed ca
27918	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Stornoway James Street gates 4	James Street	Western Isles	good	704 pillars as illus in 6th ed ca
28147	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Draycott-in-the-Clay church gate	Methodist Church	Staffordshire	good	as illus in 6th ed cat c1882 ...
27917	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Stornoway James Street gates 3	James Street	Western Isles	good	... photos & note J Bolton 06.2
321	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	801	Dunalastair lodge gates	Dunalastair Estate	& Kinross	stable	of East Lodge gates from 'Exa
317	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Portsmouth Milton Cemetery gates	Milton Road	Hampshire	fair	illustrated in 'Examples of Mac
26681	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Aberfeldy Taybridge Road gate 2	Taybridge Road	Kinross	stable	almost all railings have been lo
26680	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Aberfeldy Taybridge Road gate 1	Taybridge Road	Kinross	good	almost all railings have been lo
27915	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Stornoway James Street gates 1	James Street	Western Isles	good	in Macf 6th ed cat c1882, but
318	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Wednesbury Brunswick Park gates	Brunswick Park	Staffordshire	lost	..... illustration from 'Examples
28097	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	830	Stornoway Goathill Road (M) gates	Drive	Western Isles	good	c1882, but matching Macf raili
320	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		1	Bruce Gardens entrance	Inverness Highland	good	Architectural Ironwork' c1921
26878	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	840	Kirkcudbright St Mary Street gates 01	Church Hall	& Galloway	good	... also railing qv ... photos & n
26679	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Aberfeldy Crieff Road gate	Crieff Road	Kinross	stable	almost all railings have been lo
									de Ferro no Brasil' Sao Paolo

27865	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	973	Stranraer gates 04	Lewis Street	Galloway	excellent	upper rail ... widened from No
521	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Braemar Church gate arch & lamp	Church (closed?)	Aberdeenshire	good	catalogue item. One has recer
26130	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Aberdeen Union Terrace gates 2	Union Terrace	Aberdeen	excellent	lamps (q.v.) .. maker's diamon
26145	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	306	Montrose Sturrock gate arch	Baltic Street / Church Path ?	Montrose Angus	excellent	Macfarlane No 306 terminal de
27966	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Stornoway Matheson Road (J) gates	Matheson Road	Western Isles	excellent	railings No 1031 q.v. ... patterr
28121	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	758	Brazil Manaus Dock Office gates	Vicinal	Brazil	excellent	Macfarlane No 758 gates as ill
26128	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	1127	Aberdeen Union Terrace gates 1	Union Terrace	Aberdeen	excellent	Gardens ... recognizably a ver
26784	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	145	Wick gate 01	Thurso Road	Highland	good	6th ed cat c1882, unmarked b
28797	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	1013	Bacchus Marsh memorial gates	Maddingley Park	Victoria Australia	good	1922', having previously been
28120	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	461	Brazil Manaus Mercado Municipal 3	Bares	Brazil	good	ed cat c1882 ... building under
25788	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	739	Brazil Manaus Cemetery entrance gates	Gonzaga Pinheiro	Brazil	good	Costa ' A Architetura de Ferro
27979	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Stornoway Matheson Road (Q) gate	Matheson Road	Western Isles	excellent	c1882 ... photos & note J Bolt
25831	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	189 & 115	Dalbeattie John Street gate	John Street	Galloway	excellent	Macfarlane Gate No 185 & col
27983	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	1031	Stornoway Matheson Road (O) railings	Matheson Road	Western Isles	good	maker's name indented on bot
26179	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	207	Avoch Rosehaugh gates	A832 2 miles w of Avoch	Avoch Highland	at risk	at former gateway to the Rose
26168	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	840	Kilmun gate	A880 shoreside road	Kilmun Argyll & Bute	excellent	Gate no 840 & Pillars no 744 a
26186	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	457	Dingwall Church gate	Castle Street	Dingwall Highland	excellent	good order with support roller
27982	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Stornoway Matheson Road (O) gate	Matheson Road	Western Isles	good	included in 6th ed cat c1882 ..
25805	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Cape Town Government House gates	Government House	Town	good	Gates & railings q.v. ... photo ,
27280	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Edinburgh Polwarth gate	Polwarth Terrace	Edinburgh	good	recognisably Macf No 464 gat
25806	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	gate 189	Cape Town gate 2	Queen Victoria St	Town	good	illustrated in Macfarlane's 6th I
28236	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	1151	Melbourne Williamstown gates	Williamstown	Australia	excellent	South Yarra in 1907 (plaque) -
28465	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Tarbert Pier Road gates & railings 06	Pier Road	Tarbert Argyll & Bute	good	c1882 (top spike missing) ... p
27993	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	St John's Town of Dalry gate 1	Main Street	Dumfries & Galloway	good	ed cat c1882 ... photos & note
27972	Walter Macfarlane & Co	?	ga		Stornoway Matheson Road (K) gates	Matheson Road	sunder	excellent	... photos & note J Bolton 06.2
25781	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	pillar 1054	Dundee King's Cross Hospital gates	Hosp	Dundee	good	Gate Standard No 1054 as illu
28028	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Stranraer gates 22	Stair Drive	Galloway	good	same pattern exists in Stornov
27981	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	743	Stornoway Matheson Road (P) gate 1	Matheson Road	Western Isles	good	6th ed cat c1882 ... some dam
26017	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Glasgow Victoria Park gate pillars	Victoria Park Drive N	Glasgow	stable	6th ed cat c1883, with indente
27898	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	474	Kelso Abbey gates	Kelso Abbey Bridge Street	Kelso Scottish Borders	good	to Macf gate No 809 as illus in
27939	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Stornoway Lewis Street gates 1	Lewis Street	Western Isles	good	6th ed cat c1882 ... photos & r
27940	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	743	Stornoway Lewis Street gates 3	Lewis Street	Western Isles	good	cat c1882 ... photos & note J E
26849	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Castle Douglas Abercromby Road gate 1	Abercromby Road A713	Dumfries & Galloway	good	6th ed cat c1882 ... photos & r
28531	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	973	Achanalt gate	former Ecumenical Church	Highland	good	as Macf Gate No 973 & Stand
28088	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	946	Stornoway Goathill Road (E) gate	Goathill Road	Western Isles	excellent	photos & note J Bolton 06.200
27943	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Stornoway Matheson Road (A) gates	Matheson Road	Western Isles	good	... date on building ... photos &
27949	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	189	Stornoway Matheson Road (E) gate	Matheson Road	Western Isles	excellent	marked 'Macfarlane's Castings
26635	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		New Zealand Auckland gates (lost?)	Federal Street	Zealand	lost ?	6th ed cat c1882, at home of I
25892	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	461	Selkirk Ettrick Terrace gate	Ettrick Terrace	Borders	good	c1883, also railings at high lev
323	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Rosebank Milton Lockhart gates	Milton Lockhart lodge (A72)	Lanarkshire (Carluke)	good	farm vehicle access to estate .
28162	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	801	Canada Halifax Public Gardens gates	Public Gardens	Canada	excellent	c1882 ... relocated in 1907 at \
27678	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	743	Wigtown gates 2	Catholic Church	Galloway	good	cat c1882 (also railings q.v.) ..
26344	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Lurgan Park gates	Lurgan Park	Ireland	excellent	Glasgow 10.2006 ... also foun
26970	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	145	Aberlour gates 1	High Street A95	Aberlour Moray	good	145 as illus in 6th ed cat c188
28118	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Brazil Manaus Cemetery entrance	Gonzaga Pinheiro	Brazil	good	arch at second entrance to ce
26331	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Ashbourne Methodist Church gates	Street	Ashbourne Derbyshire	good	recognisably Macfarlane gates
75	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	189	Stirling Broad Street Mars Wark gate	Broad Street Mars Wark	Stirling	excellent	Mars Wark. (DSM) ... illustratic
27963	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	145	Stornoway Matheson Road (I) gate	Matheson Road	Western Isles	good	but with reduced bottom panel
28986	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga		Glasgow Ibrox gates	Ibrox Stadium Rangers F C	Glasgow	excellent	... maker's name on pillars ... i
									works c 1970 ... significant dar

27752	Walter Macfarlane & Co	Saracen Foundry Glasgow	ga	784 & 704	Thurso church gates	Andrew's Church)	Highland	at risk	former church (closed as chur
26441	Walter Macfarlane & Co	Saracen Foundry Glasgow	gl		Southport Hesketh Park conservatory	Hesketh Park	Southport Lancashire	excellent	on columns & brackets ... rest
281	Walter Macfarlane & Co	Saracen Foundry Glasgow	gl		Glasgow Kelvinside conservatory (lost)	Carlston Kelvinside	Glasgow	lost	of the founding partners of WM
283	Walter Macfarlane & Co	Saracen Foundry Glasgow	gl		Kilmarnock conservatory Caprington	Caprington Castle	East Ayrshire	not known	16th centuries..... The Cuningh
282	Walter Macfarlane & Co	Saracen Foundry Glasgow	gl		Saltaire palmhouse (lost)	Milner Field	West Yorkshire	lost	Architectural Ironwork' c1921,
27807	Walter Macfarlane & Co	Saracen Foundry Glasgow	gr	464	Kirkmaiden grave railing	Churchyard	& Galloway	stable	dated 1877 ... unmarked but a
27720	Walter Macfarlane & Co	Saracen Foundry Glasgow	gr	207	Wick grave railing 3	Cemetery South Road	Highland	stable	& note J Bolton 06.2008
26238	Walter Macfarlane & Co	Saracen Foundry Glasgow	gr	1148	Gairlochy grave railing	Gairlochy Cemetery	Gairlochy Highland	stable	6th ed cat c1882 ... date is firs
27721	Walter Macfarlane & Co	Saracen Foundry Glasgow	gr	165	Wick grave railing 4	Cemetery South Road	Highland	stable	recognizably Macf corner post
26284	Walter Macfarlane & Co	Saracen Foundry Glasgow	gr		2	Kilmallie Cemetery	Corpach Highland	good	railing as illustrated in 6th ed c
28004	Walter Macfarlane & Co	Saracen Foundry Glasgow	gr	1110	Moniaive Glencairn grave railing 6	Glencairn Parish Church	Galloway 3 mi east	stable	diamond TM on back of each p
28538	Walter Macfarlane & Co	Saracen Foundry Glasgow	gr	774	Dunalastair grave railing 1	The Chiefs' Burial Ground	& Kinross	stable	maker's name ... Macf No 774
27083	Walter Macfarlane & Co	Saracen Foundry Glasgow	gr	33	Dundee East grave marker 3	Road	Dundee	stable	6th ed cat c1882 ... photos & r
27082	Walter Macfarlane & Co	Saracen Foundry Glasgow	gr	1011	Dundee East grave marker 2	Road	Dundee	good	wife Catherine M Low (maiden
28710	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Glasgow Princes Terrace lamp pillars	Princes Terrace	Glasgow	good	photos & note J Bolton 06.200
26010	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	32	pillars	Bellshaugh Road	Glasgow	good	assumed to date as building -
26122	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Aberdeen Union Bridge lamp pillars	Union Bridge	Aberdeen	good	their 'Examples of Architectura
26123	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	32	Aberdeen Skene Street lamp pillars	Skene Street	Aberdeen	stable	Central Library (q.v.), but unlo
27478	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	10	Dunoon Sandbank Provost lamp	High Road / Rankine's Brae	Dunoon Argyll & Bute	excellent	recently refurbished, assumed
26004	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		pillars	Westboune Gardens W	Glasgow	good	Macfsarlane & Co Glasgow on
26001	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	6	lamps	Clevedon Crescent	Glasgow	excellent	whole area having been recen
26268	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Greenock 'provost' lamps 2	Clyde Square ?	Greenock Inverclyde	good	town centre improvement sche
27067	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		West Linton 'Provost' lamp standard	Road	Borders	good	original location not identified .
28258	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	39	Beamish Museum printers bracket lamp	Street	Beamish Durham	excellent	c1882 (mounted inverted) ... p
27833	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Newton Stewart McMillan Hall arch	Square	Dumfries & Galloway	excellent	erected c1911 (info J McLay a
26254	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Gourock 'provost' lamp 1	Shore Street Gamble Halls	Gourock Inverclyde	excellent	to be an adaptation of the no 1
25784	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Dundee Broughty 'provost' lamp pillar	Beach Crescent	Ferry	good	on doors ... painted in drab bla
27019	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	12	Taunton Vivary Park gate lamp pillars	Vivary Park	Taunton Somerset	excellent	cat c1882 .... photos & note J I
26104	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		London Kennington lamp pillar	Kennington Road	London	stable	name on column... Vent shaft
27114	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		1	Lawnmarket	Edinburgh	good	cat c1882 .... photos & note J I
26096	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	5	London Strand lamp / vent pillar	Strand Temple Bar	London	excellent	column disguising vent to und
26944	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Welshpool bracket lamp	High Street	Welshpool Powys	good	c1882 ... photos & note J Bolt
37	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	23	Stirling St Ninian's Street lamp pillar	Boy fountain	Stirling	good	but is now the only remaining
27451	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	56	Arbroath lamp pillar 3	Library Hill Terrace	Arbroath Angus	excellent	maker's name, but as Macf No
28690	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Glasgow Lynedoch Street lamp pillars	Lynedoch Street	Glasgow	good	photos & note J Bolton 06.200
27803	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	12	Gatehouse of Fleet lamp pillars	Church Street	Dumfries & Galloway	good	12 lamp pillars as in 6th ed cat
26121	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Aberdeen Union Terrace lamp pillars 2	Union Terrace	Aberdeen	stable	Bridge. Date 1915 on one side
26103	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		pillars 1	Victoria Embankment	London	stable	support tram/trolley bus wires,
26099	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		London Holborn vent / lamp pillar	Holborn	London	good	toilets opposite Prudential Ass
26106	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	5	London Holborn lamp pillar (lost)	Holborn / Grays Inn Lane	London	lost	lamp alone) of £99 ..' The Buil
26067	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	64	lamp	20-24 Rothesay Terrace	Edinburgh	good	illustrated in 6th ed cat c1883,
26107	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	22	London Southwark lamp pillar/vent (lost)	Southwark Street	London	lost	stone base ..over the subway
26115	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		London The Admiralty lamp pillars	Horse Guards Road	London	good	design) ... note & photos J Bol
26116	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		London Richmond Lock lamp pillars	Richmond Lock	London Richmond	good	- other ironwork, unmarked, m
27450	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	23	Arbroath lamp pillar 2	High Street & Library	Arbroath Angus	excellent	at library ... maker's name on
26119	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	32	Aberdeen Central Library lamp pillars	Central Library	Aberdeen	excellent	used to be painted black! ... M
26948	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	6	Keith Union Bridge lamp pillars	Union Bridge	Keith Moray	stable	partial reconstruction of bridge
27214	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	35	Edinburgh Leith lamp pillar 1	Tower Place	Edinburgh Leith	excellent	6th ed cat c1882 ... diamond T
27549	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Melrose station lamp pillars	former railway station	Borders	stable	railway station, one appears to
									6th ed cat c1883 - three with d

26591	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Glasgow street lamp pillar 2	formerly at People's Palace	Glasgow	unknown	outside the People's Palace, p
27519	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	35	lamp pillar	Springburn Centre	Glasgow Springburn	good	ladder bar ... traces of indente
27211	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	1	Bermuda lamp pillars	Old Gunpowder Store	Bermuda	stable	Macfarlane No 1 lamp pillars a
27541	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		London Tooting lamp pillar	Station	London Tooting	good	pillar with ventilated base ... pr
552	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Brighton promenade lamp pillars	Brighton Promenade	Brighton East Sussex	good	promenade. ... note & photo D
25756	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	63	Perth (Aus) Stirling Gardens lamp pillars	Stirling Gardens	Australia	good	gardens (also two at Supreme
26630	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		London New Cross lamp / vent 2	Clifton Rise New Cross	Lewisham	excellent	resited fom nearby original po
27262	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Edinburgh Leith memorial lamp pillar	Easter Road	Edinburgh Leith	good	South Leith U F Church ... alsc
25701	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Dublin Dawson Street lamp pillars	Dawson Street	Dublin Ireland	excellent	locally made replicas added in
25886	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Folkestone The Leas lamp pillars	The Leas (nr bandstand)	Folkestone Kent	good	& photos J Bolton 06.2003
25795	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Brazil Belem lamp pillars	not identified	Brazil Belem	good	de Ferro no Brasil' Sao Paolo
26465	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Barnsley Town Hall lamp pillars	Town Hall Church Street	Yorkshire	good	marked W Macfarlane & Co (n
27287	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	63	Callander bridge lamp pillars	A81 River Teith bridge	Callander Stirlingshire	stable	bridge plaque ... maker's TM c
25891	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	91	Selkirk Viewfield lamp bracket	Viewfield Lane	Borders	good	ed cat c1883 .... note & photo
26462	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	75	New Mill lamp bracket	New Mill A636 east	South Yorkshire	good	ed cat c1883 ... photos & note
28813	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Airdrie bracket lamp	Broomknoll Street	Lanarkshire	excellent	c1882 (co-incidentally the sam
28532	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	30	Cleish lamp pillars	Village centre	Kinross	good	maker's marks ... as Macf patt
26706	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	30	Peebles lamp pillars 2	Burgh Hall High Street	Borders	good	Parish Church (photo) & outsic
28535	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	35	Dollar lamp pillar 1	West Burnside	Clackmannanshire	good	'Erected with the surplus funds
374	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	10	Crieff 'provost' lamp pillar	High Street	Kinross	good	mark on base ... lamp pillar Nc
28879	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Chelmsford / Plymouth lamp pillar	Museum Moulsham Street	Chelmsford Essex	excellent	returned to Cromptons in Chel
25853	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	30	Clydebank 'provost' lamp pillars	Town Hall / Museum	Dunbartonshire	good	Pillars No 30 as illustrated in M
28288	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Rochester Bridge 3	A2 across Medway	Rochester Kent	excellent	erected by Walter Macfarlane
25878	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	1	Rosebank Popinjay Hotel lamp pillars 1	Popinjay Hotel Lanark Road	Lanarkshire	good	Macfarlane's Lamp Pillar No 1
28512	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Glasgow Belgrave Terrace lamp pillars	Western Road	Glasgow	excellent	prominent on bases ... also fla
43	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	60	Bannockburn War Memorial lamp pillars	War Memorial Main Street	Bannockburn Stirling	stable	Memorial 'garden'... Macfarla
27888	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Kelso lamp pillar 1	War Memorial Bridge Street	Kelso Scottish Borders	good	illus in 6th ed cat c1882 ... phc
26589	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Glasgow Mitchell Library lamp pillars	Mitchell Library	Glasgow	excellent	c1882 ... also in Aberdeen q.v.
26362	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	63	Dundee Infirmary Brae lamp pillars 1	Park	Dundee	stable	Infirmary Brae, also on Lochee
26752	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Glasgow Rutherglen lamp pillars	Old Parish Church	Glasgow Rutherglen	excellent	6th ed cat c1882 ... photos & r
26606	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	32	Tywyn (formerly Towyn) lamp pillar	High Street	Wales	good	illustrated in their catalogue nc
26759	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	52	Crayford lamp pillars	Bourne Road Garage Ltd	Crayford Bexley Kent	good	Princesses Theatre c1919 .. M
26604	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Port Erin IOM lamp pillars	Harbour walls	Port Erin Isle of Man	excellent	leading to harbour, Macf triang
26512	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	20	London New Cross lamp / vent 1	Road / New Cross Road	Lewisham	good	shaft) as illustrated in 6th ed c.
26016	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Glasgow Victoria Park parapet lamps	Victoria Park Drive N	Glasgow	stable	cat c1883 ... note & photos J E
28114	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	65	Stornoway Town Hall lamp bracket	Town Hall South Beach	Western Isles	good	pattern also at Stranraer & Ra
27353	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	1	Edinburgh Queen St 11 lamp pillars	11 Queen Street	Edinburgh	good	Macfarlane No 1 as illus in 6th
25835	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	73	Annan Bank Street lamp bracket	Bank Street	Galloway	stable	ed cat c1883. Street subject to
26339	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Belfast City Hall lamp pillars 1	City Hall Main Gates	Ireland	good	lamp pillars, with maker's nam
26577	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	32	Keith lamp pillar	not identified	Keith Moray	lost	of a Macf No 32 lamp pillar wit
26338	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	73	Belfast Shaftesbury square lamp bracket	Shaftebury Square Church	Ireland	good	No 73 lamp bracket as illustrat
28916	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	14	Bowling lamp bracket	Dumbarton Road	Dunbartonshire	stable	former chapel building ... as ill
28289	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Rochester Bridge 4	A2 across Medway	Rochester Kent	excellent	erected by Walter Macfarlane
28321	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	14	Dundee 'Caw's' lamp bracket	Caw's Bar Panmure Street	Dundee	good	additional tie back & socket ...
25977	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Penarth Esplanade lamp pillars 1	The Esplanade	Glamorgan Wales	stable	Bolton 10.2004
342	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Peebles lamp pillars 1	Tweed Bridge	Borders	good	bridge widening in 1900 - mak
26387	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		lamp pillars	Church Street	Malaysia	good	two pairs of stone gate pillars -
25863	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		parapet lamps	South Portland Street Bridge	Glasgow	good	(original 1851) ... Macfarlane M
28342	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Plymouth Hoe lamp pillars	The Promenade The Hoe	Plymouth Devon	excellent	name (pattern not recognised
									Hotel, formerly The Great Hote

26364	Walter Macfarlane & Co	Saracen Foundry Glasgow	la		Dundee Infirmary Brae lamp pillars 2	Park	Dundee	stable	overlooking Dudhope Park (als
25824	Walter Macfarlane & Co	Saracen Foundry Glasgow	la	14	West Calder lamp bracket	Main street, east end	Lothian	stable	mutilated!.... thumbnail from M
28500	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Appleby Kenton station sign	NRM York	York ex Kenton Suff.	stable	originally at Kenton on the Mid
26607	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot	427	New Zealand Auckland lions	North Shore	Zealand	excellent	placed at the front of the hous
25859	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		St Ives coat of arms	Museum	St Ives Cornwall	excellent	Macfarlane's 6th ed cat c1883
25757	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Newport-on-Tay Blyth Hall flagpole base	Blyth Hall	Newport-on-Tay Fife	excellent	clearly visible. ... Note & phot
398	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Indonesia Daik flag pole	Government Offices	Indonesia Daik	not known	?source of info
28127	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Brazil Manaus Mercado Municipal 8	Bares	Brazil	good	& due to be completed by 20.(
28115	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		cover	Francis Street	Western Isles	stable	covers possibly from the early
27461	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Macduff Royal Arms	Library High Street	Aberdeenshire	excellent	opened in 1887, later a library
25836	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot	1	Dumfries The Fleshers Arms lettering	Loreburn Street	Galloway	good	photos J Bolton 01.2006
26163	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Chester ventilator stacks	Curzon Park North	Chester Cheshire	good	interceptor sewer) ... marked "
405	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Derby Friar Gate electrical kiosk	Friar Gate	Derby Derbyshire	good	side panels ... This is a great li
28847	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		India (North) lions	not disclosed	India (North)	stable	c1882 ... cf Llangollen & Caist(
27513	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Rothesay Royal Terrace gate insert 1	Terrace	Bute	good	adjacent gate has three) ... ins
25732	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Helston coat of arms	Helston Folk Museum	Helston Cornwall	good	Marked with Macfarlane TM. ..
25919	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Port Elizabeth PAG Memorial soldier	St George's Park	Elizabeth	excellent	Guard (see also separate entr
569	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Rothesay ornamental urn (missing)	Victoria Street gardens	Bute		missing 04.2008, said (DM) to
28450	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Brockford station lettering	Suffolk Light Railway	Brockford Suffolk	lost	Suffolk Light Railway line ...wh
25799	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Kimberley Museum lavatory basins	Mining Museum	Kimberley	good	illustrated in Macfarlane's 6th l
25920	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Port Elizabeth PAG lions	St George's Park	Elizabeth	excellent	the Prince Alfred's Guard .... s
137	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot	427	Llangollen Plas Newydd lions	Hill Street Plas Newydd	Denbighshire Wales	excellent	Macfarlane's 6th ed cat c1883
25917	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Hellifield station ironwork	Station	Yorkshire	good	column bases ... 'award-winnir
25794	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot		Brazil Fortaleza lighthouse	not identified	Brazil Fortaleza	stable	Notified 2005 ... Further inform
26147	Walter Macfarlane & Co	Saracen Foundry Glasgow	ot	57	Montrose Museum window screen	Museum Museum Street	Montrose Angus	good	railing as illustrated in 6th ed c
27283	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Edinburgh Polwarth railing 1	Gardens	Edinburgh	excellent	on Polwarth Terrace, substant
28830	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	36	Bowling porch roof railing	Dumbarton Road	Dunbartonshire	stable	68 brackets ... as illus in 6th e(
27429	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	124	railing	Saltoun Square	Aberdeenshire	stable	Arms Hotel, also bracket lamp
27624	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1104	Glenluce railing 1	Main Street	Galloway	good	... some damage but now well
27611	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	264	railing	Hotel)	Western Isles	good	photos & note J Bolton 06.200
27607	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	798	Ullapool railing 1	West Terrace	Highland	good	c1882 & in association with M
27373	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1063	Edinburgh Eastern Cemetery railings	Terrace Easter Road	Edinburgh	good	1063 railings as illus in 6th ed
28769	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	44	Fleetwood Museum roof railings	Queens Terrace	Fleetwood Lancashire	excellent	44 as illus in 6th ed cat c1882
27606	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	925	Watten railing	A 882	Highland	stable	... marked with maker's name
28768	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	209	Fleetwood The Mount Hotel verandah 2	The Mount Hotel Esplanade	Fleetwood Lancashire	good	above - also as terminal to tow
27145	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	63	Loanhead roof terminal 2	Loanhead Road	Loanhead Midlothian	good	c1882 ... photos & note J Bolt(
27441	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Fraserburgh Cemetery railings	Cemetery Road	Aberdeenshire	excellent	base of openwork pillars & pat
27326	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	163	railing 1	Craigmillar Park	Edinburgh	good	c1882 ... photo & note J Bolto
28814	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Tipperary grave railing	Shanrahan Cemetery	Tipperary Ireland	good	Sheehy (d 1798) ... Macfarlan
27142	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Loanhead railing 2	Loanhead Road	Loanhead Midlothian	good	... photos & note J Bolton 10.2
27271	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	63	Edinburgh Craiglockhart railings	Road / Glenlockhart Rd	Edinburgh	stable	Napier University Craiglockhar
27134	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	208	Great Malvern railing 1	Grange Road	Hereford & Worcester	good	rail of each panel ... assumed
27437	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1429	Fraserburgh railings 6	King Edward Street	Aberdeenshire	good	qv ... it appears that although t
27643	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	139	Fort William West End Hotel railings	Road	Fort William Highland	stable	c1882 ... hand rail missing fror
27647	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Fort William railing 8	Street	Fort William Highland	good	indented on first rail up, but pa
27648	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	149	Fort William Highland Hotel Ironwork 2	Hotel)	Fort William Highland	excellent	Macfarlane railing No 149 as il
27434	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1289	Fraserburgh railings 3	King Edward Street	Aberdeenshire	good	qv ... it appears that although t
27285	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Edinburgh Polwarth railing 2	Gardens	Edinburgh	excellent	qv ... photos & note J Bolton (
375	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1023	Dundee Kings Cross railings 1	Hosp	Dundee	good	sub-standard repairs .... Macf
									maker's name on top edge of l

27969	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1031	Stornoway Matheson Road (K) railing	Matheson Road	Western Isles	excellent	of road ... balcony railings are
26673	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	213	Stornoway Matheson Road (Q) railings	Matheson Road	Western Isles	good	c1882 ... photos & note J Bolt
25804	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Cape Town railing 2	Queen Victoria St	Town	good	Co, Glasgow on bottom rail ....
27957	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Stornoway Matheson Road (F) railing	Matheson Road	Western Isles	good	pattern post-dates c1882 6th e
27974	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Stornoway Matheson Road (L) railing	Matheson Road	Western Isles	stable	name on bottom rail indistinct
27986	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	28	Stornoway Matheson Road (J) railing	Matheson Road	Western Isles	good	c1882 ... gate pattern No 14 in
27992	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1143	St John's Town of Dalry railing 1	Main Street	Dumfries & Galloway	good	c1882 ... photos & note J Bolt
28444	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1875	Lerwick County Buildings cresting	County Buildings Hillhead	Lerwick Shetland	good	6th ed cat c1882 ... photos & r
28038	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Stranraer railings 27	Stair Drive	Galloway	excellent	Stornoway, in association with
28434	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	40 & 743	Lerwick Hillhead railings 05	Hillhead	Lerwick Shetland	good	c1882 ... also at burgh Road q
28431	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1126 1908	Lerwick Hillhead railings 02	Hillhead	Lerwick Shetland	excellent	1908 standards, & gate, are la
25803	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Cape Town railing 1	Government House	Town	excellent	minor damage. .... photos J Bo
27944	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Stornoway Matheson Road (A) railings	Matheson Road	Western Isles	good	c1882 ... date on building ... ph
26672	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	895	Stornoway Goathill Road (G) railings	Goathill Road	Western Isles	good	maker's name above lower cir
26671	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1139	Stornoway Goathill Road (A) railings	Road	Western Isles	excellent	cat c1882 ... photos & note J E
27933	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1087	Stornoway Lewis Street roof railing	Lewis Street	Western Isles	good	c1882 ... property also has Ma
26668	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1126	Stornoway Francis Street railings 1	Francis Street	Western Isles	good	6th ed cat c1882 ... Council St
26667	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Stornoway Goathill Road (D) railings	Goathill Road	Western Isles	good	bottom rail & identified from Le
27934	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	213	Stornoway Lewis Street railings 2	Lewis Street	Western Isles	good	c1882 ... property also has Ma
27935	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	145	Stornoway Lewis Street gates 2	Lewis Street	Western Isles	good	illus in 6th ed cat c1882 ... mal
28502	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	50	railings	Clarence Hotel	Ilfracombe Devon	excellent	q.v. - but upper railings not a r
26661	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1031	Stornoway Matheson Road (B) railings	Matheson Road	Western Isles	good	maker's name & pattern No or
28504	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	213	Ilfracombe Wilder Road railings 01	Road	Ilfracombe Devon	good	cat c1882 ... photos & note J E
26634	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	83	New Zealand Auckland railing (lost?)	Federal Street	Zealand	lost ?	at home of Mr Alexander Mack
27951	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	8	railing	Matheson Road	Western Isles	excellent	photos & note J Bolton 06.200
27967	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1031	Stornoway Matheson Road (J) railing	Matheson Road	Western Isles	excellent	c1882 ... marked 'W Macfarlar
153	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	421	(lost)	(Embassy Hotel?)	Wales	lost	cat c1883 .. ref Ifor Edwards 'D
28507	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	191	Ilfracombe Church Road balcony railing	Church Road	Ilfracombe Devon	excellent	photo & note J Bolton 04.2009
28505	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	184	Ilfracombe Wilder Road railings 02	Wilder Road	Ilfracombe Devon	good	... photos & note J Bolton 04.2
26464	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Barnsley Town Hall railings	Town Hall Church Street	Yorkshire	excellent	diamond trade mark on base c
26662	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	213	Stornoway Lewis Street railings 1	Lewis Street	Western Isles	good	q.v.) in Lewis Street ... Macf N
26361	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Dundee Infirmary Brae railings 4	Park	Dundee	good	maker's name on horizontal m
28048	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	916	Stranraer roof railing 4	Sun Street	Galloway	good	association with terminal 6, as
26388	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		railings 1	Church Street	Malaysia	excellent	either side of main building - M
28111	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	92	Stornoway Cromwell Street rainware	Cromwell Street (Ceol)	Western Isles	good	illus in 6th ed cat c1882... pho
28350	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	145	Thurso snow railing	St George's Street	Highland	good	cat c1882 ... info & image M B
28347	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1104	Westward Ho balcony railings	Atlantic Way	Westward Ho Devon	stable	ed cat c1882 ... photos & note
28344	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	958	Plymouth Grand Parade railings	Grand Parade	Plymouth Devon	excellent	ed cat c1882 ... diamond TM p
26380	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Penang Konsenih Building railing	Leith Street	Malaysia	good	Leith Street (opposite Cheong
26074	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	28	Hobart railings 2	Macquarie Street	Australia	excellent	Macfarlane & Co – name inde
26365	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1058	1	Leith Street	Malaysia	excellent	with top rail supporting mason
26077	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1054	Hobart railings 3	Elizabeth Street	Australia	good	(pillar No 1054 in Macf 6th ed
28914	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1089	Alexandria roof railing 1	Main Street	Dunbartonshire	excellent	ed cat c1882 ... photos & note
28119	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1023	Brazil Manaus Cemetery railings	Gonzaga Pinheiro	Brazil	good	information from C T da Costa
28294	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		St Andrews railing 5	Place	St Andrews Fife	good	pillar but no gates) as illus in 6
28283	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	278	Cambridge shopfront railing	St John's Street	Cambridge	stable	(also columns q.v.) ... photos &
28281	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	104	Venezuela Valencia Cemetery railing	Cemetario	Venezuela	unknown	... image from www (by Carlos
28279	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1291	Matjiesfontein balcony railings	Lord Milner Hotel	Africa	excellent	Macfarlane Nos 1291 & 1294 I
									c1882 ... maker's name visible

28139	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1130	Statue railings	National Heroes Square	West Indies	good	maker's name & diamond TM
28110	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	208	railing 1	Cromwell Street (Ceol)	Western Isles	good	... photos & note J Bolton 06.2
26412	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1106	Bath Victoria Park bandstand railing	Victoria Park	Somerset	excellent	railing No 1106 as illustrated ir
26466	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Barnsley College railings	Church Street	Yorkshire	excellent	Technology, now part of Hudd
28098	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	830	Stornoway Goathill Road (M) railing	Drive	Western Isles	excellent	maker's name on bottom rail ..
28387	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	920	Lerwick Burgh Road railings 09	Burgh Road	Lerwick Shetland	good	ed cat c1882 ... photos & note
28386	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	232	Lerwick Burgh Road railings 08	Burgh Road	Lerwick Shetland	good	ed cat c1882 ... photos & note
28385	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	40 & 743	Lerwick Burgh Road railings 07	Burgh Road	Lerwick Shetland	good	743 gate with replaced centre
28099	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	40	Stornoway Goathill Road (M) roof railing	Goathill Road	Western Isles	good	on property is by Macf ... phot
28134	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1125	Barbados Bridgetown Colonnade 2	Colonnade Broad Street	West Indies	excellent	unmarked & perhaps not origi
28109	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	208	railing 2	Florist)	Western Isles	good	c1882 ... maker's name on ba
25918	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	967	Dublin Connolly Station railings & gates	Connolly Station Amiens St	Dublin Ireland	good	from station. ... Macf No 967 r
27751	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	784	Thurso church railing 1	Andrew's Church)	Highland	at risk	former church (closed as chur
26658	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1125	Stornoway Goathill Road (H) railings	Goathill Road	Western Isles	good	maker's name on bottom rail ..
26736	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	207	Galashiels Scott Park entrance railings	Scott Street	Borders	good	Macfarlane No 207 railing eac
26856	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1126	Castle Douglas Dunmuir Road railing 1	Dunmuir Road	Dumfries & Galloway	good	ed cat c1882, also gates qv ...
26851	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1126	1	Abercromby Road A713	Dumfries & Galloway	good	6th ed cat c1882 .... photos &
27675	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	40	Wigtown railing 2	Catholic Church	Galloway	good	gates q.v.) ... photos & note J
27899	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	474	Kelso Abbey railings	Kelso Abbey Bridge Street	Kelso Scottish Borders	good	as illus in 6th ed cat c1882 ...
26984	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1096	Dorchester bandstand railing	Borough Gardens	Dorchester Dorset	excellent	c1882 ... see also separate ba
26825	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Colwyn Bay balcony railing	Abergele Road A547	Wales	stable	26 railing as in 6th ed cat c18
26917	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	163	Freuchie roof edge railing	village centre	Freuchie Fife	excellent	(now library) - a perfect examp
26903	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	40	Kirkcudbright St Mary Street railings 09	St Mary Street	& Galloway	good	... photos & note J Bolton 07.2
28223	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Peebles Veitch's roof railings 2	High Street	Borders	good	photos & note J Bolton 01.200
26731	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Caddonfoot estate railing	A707 west of Galashiels	Scottish Borders	good	Macfarlane No 809 as illus in 6
26182	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	457	Dingwall Church railing	Castle Street	Dingwall Highland	excellent	... as in 6th ed cat c1883 ... no
26864	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1125	Castle Douglas Ernspie Road railing 2	Ernspie Road A745	Dumfries & Galloway	good	gates qv) as illus in 6th ed cat
28692	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Glasgow Lancaster Crescent railing	Lancaster Crescent	Glasgow	excellent	photos & note J Bolton 06.200
26659	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1139	Stornoway Goathill Cresent railings 1	Goathill Crescent	Western Isles	good	Pattern 20 ... info & image I W
26793	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	145	Wick railing 01	Thurso Road	Highland	good	6th ed cat c1882 ... maker's na
27859	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	26	Stranraer railings 19	London Road	Galloway	good	Macf No 26 panels (also gate
27852	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	145	Stranraer railings 11	Clenoch Street	Galloway	good	Macfarlane No 145 in 6th ed c
27769	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	145	Tain bank roof cresting	Street	Highland	good	... maker's TM visible ... photo
27848	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	809	Stranraer railings 07	Lewis Street	Galloway	good	name indented ... as Macf No
27776	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	145	Tain roof cresting	Tower Street	Highland	good	... cf different version on Clyde
28643	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Glasgow Athole Gardens railing	Athole Gardens	Glasgow	excellent	photos & note J Bolton 06.200
27839	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	34	Newton Stewart roof cresting 2	Crown Hotel Queen Street	Dumfries & Galloway	poor	40 as roof edge brattishing ...
26656	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	28	Stornoway Matheson Road (E) railings	Matheson Road	Western Isles	good	maker's name on adjacent ma
26923	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	131	Neyland Bethesda Chapel balustrade	Street	Pembrokeshire Wales	good	No 131 as illus in 6th ed cat c
28863	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	26	Coupar Angus roof railing	George Square	Perthshire & Kinross	good	...photos & note J Bolton 03.2
26899	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1176	Kirkcudbright St Mary Street railings 05	St Mary Street	& Galloway	excellent	ed cat c1882 ... photos & note
26674	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	213	Stornoway Matheson Road (P) railings	Matheson Road	Western Isles	good	maker's name indented on bot
28562	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	302	Grenada Fort Matthew railings	Fort Matthew	Grenada West Indies	stable	perhaps 1983 US bombing (in
28865	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Coupar Angus dormer windows	Town Hall	Perthshire & Kinross	good	visible ... photos & note J Bolt
27927	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		railing	Street	Western Isles	excellent	Museum building ... Macf No 9
26869	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	470	Castle Douglas King Street railings 1	King Street A713	Dumfries & Galloway	good	, (also gate qv) - maker's nam
28175	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	917	Barbados Bridgetown Mutual Building 3	Broad Street	West Indies	excellent	6th ed cat c1882 ... photos & r
26901	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	42	Kirkcudbright St Mary Street railings 07	St Mary Street	& Galloway	good	ed cat c1882 ... photos & note
									railings qv) as illus in 6th ed ca

26891	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	145	Kirkcudbright Tongland Road railings 3	Tongland Road A711	& Galloway	excellent	incorporating top part of No 14
26890	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Kirkcudbright Tongland Road railings 1	Tongland Road A711	& Galloway	good	maker's name on each panel,
26911	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1022	Sanquhar railings 5	Glasgow Road	Galloway	good	illus in 6th ed cat c1882 .... ph
25777	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Brazil Quixada railings	Acude do Cedro dam	Brazil Quixada	excellent	Brasil' 1994 ..... photo dated 0
26180	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	207	Avoch Rosehaugh railing	A832 2 miles w of Avoch	Avoch Highland	at risk	at former gateway to the Rose
26881	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	317	Kirkcudbright St Mary Street railings 01	Church Hall	& Galloway	good	(also gate qv) ... photos & note
26719	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	26	Selkirk Station Bar window railing	Station Road	Borders	stable	ed cat c1882 ... photos & note
27018	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1106	Leamington Spa bandstand railing	Pump Room Gardens	Warwickshire	good	maker's name on panels ... als
27016	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	1106	Swanage bandstand railing	Shore Road	Swanage Dorset	good	in 6th ed cat c1882 ... cf Leam
26722	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra	464	Selkirk Bannerfield House railings	Road A707	Borders	excellent	adjacent lodge qv ... apparentl
27911	Walter Macfarlane & Co	Saracen Foundry Glasgow	ra		Stornoway James Street railings 1	James Street	Western Isles	good	Macf 6th ed cat c1882 ... but a
421	Walter Macfarlane & Co	Saracen Foundry Glasgow	sf		Rum bollards	Kinloch Castle	Highland	good	c1883 ... photos J Bolton 06.2
28274	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh	10	Shrewsbury urinal (lost)	Frankwell	Shropshire	lost	dated 1899 from www.darwinc
28267	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Beamish Museum urinal	Beamish Museum Store	Beamish Durham	stable	c1882 ... originally at the villag
276	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Accrington tram shelter (lost)	Market Place Peel Street	Accrington Lancashire	lost	.... redundant by 1945, becam
277	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Glasgow Eglinton tram shelter (lost)	Eglinton Toll	Glasgow	lost	Architectural Ironwork' c1921
278	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Southend tram shelter (lost)	Victoria Corner	Essex	lost	Architectural Ironwork' c1921 .
279	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Birmingham tram shelter	Colmore Row	Birmingham	lost	Architectural Ironwork' c1921 .
280	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		New Brighton tram shelter (lost)	Victoria Parade / Pier Head	New Brighton Wirral	lost	Gardens.... illustration from 'E
273	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Southend bandstand (S pier) (lost)	Promenade Pier	Essex	lost	Architectural Ironwork' c1921 .
28273	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh	10	Stafford urinals (lost)	Gaol Street & elsewhere	Stafford Staffordshire	lost	Macfarlane 'No 10 urinal for fiv
25972	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		St Anne's shelter (octagonal)	Promenade	Lancashire	stable	
286	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Skipton station canopies	Station	Yorkshire	good	Ironwork' c1921 .... recently re
27014	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Bristol urinal - Avonview Cemetery	Beaufort Road	Bristol	stable	urinal as illus in 6th ed cat c18
274	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		(lost)	Argyll Street	Dunoon Argyll & Bute	lost	'Examples of Macfarlane's Arc
26353	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Llandrindod Wells pavilion	Room	Powys Wales	at risk	Newport ... spandril panels wit
28846	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh	227	India (North) summer house	not disclosed	India (North)	stable	cat c1882 ... some dado panel
28312	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Southport Promenade shelter	Promenade at Albany Road	Southport Lancashire	good	components ... photos & note
26334	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Newcastle NI urinal (lost)	Harbour ramp	Ireland	lost	removed sometime before 20(
25744	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Weston-super- Mare shelter	promenade	North Somerset	good	front ... Name on column base
331	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Walkerburn urinal	Main Street A72	Borders	fair	gutters. Requires restoration.
26609	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Harrogate Valley Gardens shelter(s)	Gardens	Yorkshire	stable	which may have been previous
25761	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Rothesay Cabbies' Rest shelter (missing)	Pier Head	Bute		remarkable, but not iron, Victo
257	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Rhyl shelter (lost)	Royal Alexandra Hospital	Rhyl Conwy Wales	lost	shelter .... Illustration from 'Ex
414	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Plymouth Thorn Park urinal	Thorn Park	Plymouth Devon	stable	in 6th ed cat c1883 .... info J F
412	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Chesterfield North Wingfield urinal (lost)	Road	Chesterfield	lost	to north side of church tower' .
27062	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh	58	Dunkeld station canopy	Dunkeld & Birnam Station	Kinross	good	No 58 pattern as illus in 6th ed
410	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Castleford urinal	Street A639	Yorkshire	at risk	brick surround - said locally to
28261	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh	158	Beamish Museum Tram shelter	Street	Beamish Durham	excellent	as illus in 6th ed cat c1882 ...
275	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Plymouth Alexandra Park shelter	Alexandra Park	Plymouth Devon	not known	Architectural Ironwork' c1921
408	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Oldham Alexandra Park toilet facilities	Alexandra Park	Manchester	excellent	Engineering, Glasgow. (photo
25726	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Eastbourne Hampden Park urinal	Hampden Park	Sussex	poor	been destroyed in 1987 storm.
548	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Stonehaven station canopies	Railway Station	Aberdeenshire	good	08.2001
28243	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Crayford urinal (lost)	Belvedere / Station Road	Crayford Bexley Kent	lost	illus c1900 from www ... note
26177	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Ferintosh urinal	Scotland	Bridge Highland	stable	minimal fittings ... some panels
411	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Lancaster urinal	Sequernmore Road	Lancaster Lancashire	not known	Park staff, in 2005 JPB
26808	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Pwllheli pavement canopies 2	Ffordd y Cob	Wales	at risk	station - Macfarlane columns M
27130	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Bristol urinal Bedminster (in store)	ex Mill Lane Bedminster	Bristol	unknown	have been damaged during re
									fair number of rather crude rep

25832	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh	156	Annan station columns	Station	Galloway	good	varying depth with moveable c
25822	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		New Brighton shelter (3 of original 4)	Marine Promenade	New Brighton Wirral	stable	shelters are shown on a 1910
26162	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Crich urinal (ex Reading)	National Tramway Museum	Reading	excellent	originally at Erleigh Road tram
26160	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Crich tram shelter 3	National Tramway Museum	Crich Derbyshire	good	- perhaps put together from a
27543	Walter Macfarlane & Co	Saracen Foundry Glasgow	sh		Minsterley urinal	A488 village centre	Shrewsbury	stable	walls ... photos & note J Bolto
26149	Walter Macfarlane & Co	Saracen Foundry Glasgow	st		Nottingham Wollaton bollards	Museum	Nottingham	excellent	identified ... note & photos J B
26154	Walter Macfarlane & Co	Saracen Foundry Glasgow	st	2	Crich bollards	National Tramway Museum	Crich Derbyshire	excellent	c1883 ... maker's diamond trac
26097	Walter Macfarlane & Co	Saracen Foundry Glasgow	st	2	London Strand bollards	Strand Temple Bar	London	stable	lamp pillar (q.v.) ... note & pho
25760	Walter Macfarlane & Co	Saracen Foundry Glasgow	st		Portrush bollard	town centre	Ireland	good	nonetheless, a similar bollard i
513	Walter Macfarlane & Co	Saracen Foundry Glasgow	st		Aberdeen Holburn Street vent shaft	Holburn Street	Aberdeen	excellent	refurbished .. makers name pr
514	Walter Macfarlane & Co	Saracen Foundry Glasgow	st		Aberdeen Hutcheon Street vent shaft	Hutcheon Street	Aberdeen	good	railway station .. maker's name
28365	Walter Macfarlane & Co	Saracen Foundry Glasgow	st	2	Nottingham Trent Bridge bollards	Trent Bridge	Nottingham	good	c1882 ... maker's name visible
26628	Walter Macfarlane & Co	Saracen Foundry Glasgow	st	1	London New Cross bollards	New Cross Gate	Lewisham	good	c1882, protecting traffic island
26351	Walter Macfarlane & Co	Saracen Foundry Glasgow	st		Kington bollards	High Street	Worcester	good	dated 1885 .. one has large di
25796	Walter Macfarlane & Co	Saracen Foundry Glasgow	st	824	Simonstown bollards	Harbour	Simonstown	good	.....one of several bollards for
27204	Ltd	Saracen Foundry Glasgow	la		pillars	Mohammad Aly Barrages	Cairo Egypt	not known	Macfarlane's for the Damietta
26114	/ Dorothea Restorations	Saracen Foundry Glasgow	gl		London Horniman Museum conservatory	Hill	London	excellent	Coombe Cliff House Croydon
54	/ Heritage Engineering	Saracen Foundry Glasgow	fd	20	Dun Laoghaire drinking fountain	Queens Road (Town Hall)	Dun Laoghaire Ireland	excellent	by bomb. Re-manufactured in
36	/ Heritage Engineering	Foundry	fd	21	Cardiff Grange Gardens drinking fountain	Grange Gardens	Cardiff Wales	excellent	removed and re-made in 2001
152	/ James Allan ?	/ Elmbank ?	bc	42 53	Dolgellau balcony	Barmouth Road	Wales	good	Gomer 1989 .. Macfarlane No
26524	/ Leander Architectural	Saracen Foundry Glasgow	ba	249	Rochdale Broadfield Park bandstand	Broadfield Park	Manchester	excellent	2005 ... with substantial use of
25913	/ Robinson Iron	Saracen Foundry Glasgow	ec		(replica)	Raffles Hotel Beach Road	Singapore	excellent	in the 1920s was replaced by
133	/ Victorian Cast Iron	Saracen Foundry Glasgow	fd	8	Melbourne Henderson drinking fountain	Errol Street,	Australia	excellent	states: 'The Henderson Fount
553	?	Saracen Foundry Glasgow	ba		Brighton bandstand	Bedford Square Promenade	Brighton East Sussex	excellent	www.abirarchitects.co.uk ... at
35	?	?	ba		(lost)	Princes Street Gardens	Edinburgh	lost	
28819	?	Saracen Foundry Glasgow	ba		Guyana Georgetown canopy	Promenade Gardens	South America	good	Macfarlane & Co ... photo N D
28821	?	Saracen Foundry Glasgow	ba	279	Trinidad Port of Spain bandstand	Woodford Square	West Indies	good	Stranraer qv ... but with alterna
558	?	?	ba		Alloa West Park bandstand (lost)	West Park	Clackmannanshire	lost	to the existing Brechin exampl
27185	?	?	ba		India Bangalore bandstand	Cubben Park	India Bangalore	stable	Taunton ... information would
26230	?	?	bc	81	Strathpeffer balcony 1	Strathpeffer Hotel	Strathpeffer Highland	good	cat c1882 ...note & photos J B
497	?	?	bc		Bridge of Allan balconettes	Westerton Drive	Bridge of Allan Stirling	good	made by a number of compan
28203	?	Saracen Foundry Glasgow	bc		Dominica Roseau balconies 1a	King George V Street	West Indies	excellent	Macfarlane No 104 Columns &
26063	?	?	bc		Singapore Cricket Club pavilion	Road	Singapore	stable	items(columns no 129, balcon
26139	?	?	bc	42	Aberdeen Duthie balcony	private house nr Duthie Park	Aberdeen	good	illustrated in 6th ed cat c1883
138	?	?	bc	1007	Aberystwyth North Road balcony railings	North Road	Ceredigeon Wales	lost?	Decorative Cast-ironwork in W
28324	?	Saracen Foundry Glasgow	bl	610	Dundee 'Sinatras' stair balustrade	King Street	Dundee	good	c1882, but newel post not rec
28377	?	Saracen Foundry Glasgow	bl		Southport Wayfarers Arcade 3	Street / West street	Southport Lancashire	excellent	other Macf items ... photos & r
28378	?	Saracen Foundry Glasgow	bl		Southport Wayfarers Arcade 4	Street / West street	Southport Lancashire	excellent	Macf No 594 in 6th ed cat c18
27526	?	Saracen Foundry Glasgow	bl	582	balusters	Western Road	Glasgow	good	as Macf No 582 as illus in 6th
310	?	?	bl		Liverpool balustrade (Uni ?)	University of Liverpool	Liverpool	not known	Balusters and flambeaux. (?sc
28051	?	Saracen Foundry Glasgow	bo	207	Stranraer roof terminal 4	Museum	Galloway	good	but with ?replacement vane ...
26093	?	?	bo	169	London Harvey Nichols roof terminals	Knightsbridge	London	stable	Macfarlane No 169 as illustra
28227	?	Saracen Foundry Glasgow	bo		Peebles Green Tree Hotel urns	Green Tree Hotel Northgate	Borders	good	may be by Macfarlane as are
28214	?	Saracen Foundry Glasgow	bo	145	Peebles roof terminal 1	Old Town / Greenside	Borders	good	cat c1882, but corner posts wi
28188	?	Saracen Foundry Glasgow	bo		Grenada Museum rainware 2	Young Street	West Indies	stable	diamond TM but pattern not re
28187	?	Saracen Foundry Glasgow	bo		Grenada Museum rainware 1	Moncton Street	West Indies	stable	Macf No 15 ... however buildin
28173	?	Saracen Foundry Glasgow	bo	40	Cathedral crest	St Michael's Cathedral	West Indies	good	No 40 in 6th ed cat c1882, but
28149	?	Saracen Foundry Glasgow	bo		Pathhead Main Street roof terminals	Main Street	Pathhead Midlothian	good	ed cat c1882 ... photos & note
									cat c1882 ... quality suggests

27733	?	Saracen Foundry Glasgow	bo	148	Wick roof railing 2	Francis Street	Highland	good	unfamiliar corner posts ... phot
27930	?	Saracen Foundry Glasgow	bo	158	terminals	Francis Street	Western Isles	excellent	c1882 (less weather vane) ... t
26885	?	?	bo	5	Kirkcudbright St Mary Street rainware	houses	& Galloway	good	coutyard, probably Macf No 5
26690	?	?	bo		Aberfeldy Taybridge Road cresting	Taybridge Road	Kinross	good	as illus in 6th ed cat c1882 ...
25782	?	?	bo		Dundee Dock Street roof terminal	Dock St	Dundee	stable	465 as illustrated in 6th Ed Ca
27881	?	Saracen Foundry Glasgow	bo	201	Hawick roof terminal	High Street	Borders	good	... building also has entrance c
26765	?	?	bo		North Berwick rainware 2	Victoria Street	Lothian	good	rainwater head in association
27860	?	Saracen Foundry Glasgow	bo	214	Stranraer roof terminal 1	Street	Galloway	good	posts as illus in 6th ed cat c18
27700	?	Saracen Foundry Glasgow	bo	165	Wick roof terminal 1	Francis Street	Highland	good	photos & note J Bolton 06.200
26061	?	?	br		Singapore Anderson bridge	Anderson Bridge	Singapore	good	maker's marks but this column
28375	?	Saracen Foundry Glasgow	bu		Southport Wayfarers Arcade 1	Street / West street	Southport Lancashire	excellent	recently refurbished ... tied arc
28302	?	Saracen Foundry Glasgow	bu		Research'	South Street	St Andrews Fife	good	Preservation Trust ... unmarke
28884	?	Saracen Foundry Glasgow	bu	125	North Wales chapel columns	not identified	Wales	excellent	North Wales ... advertised on
27558	?	Saracen Foundry Glasgow	bu	39	window	Bridge Street	Borders	excellent	in 6th ed cat c1882 ... also on
27187	?	?	bu	156	St Andrews shopfront 03 'Bella Italia'	Bell Street	St Andrews Fife	good	Trust ... three unmarked colun
26475	?	?	bu		Halifax Market Hall	Market Hall Market Street	Halifax West Yorkshire	excellent	... appears likely that structura
26370	?	?	bu		columns 3	Leith Street	Malaysia	excellent	columns (and two timber ones
26371	?	?	bu		arches	Leith Street	Malaysia	excellent	said to be by Macf. The desigr
27559	?	Saracen Foundry Glasgow	bu		Galashiels High Street dormer windows	High Street	Borders	stable	also on Scottish Enterprise bu
28233	?	Saracen Foundry Glasgow	ec		Peebles Tontine Hotel canopy	Tontine Hotel High Street	Borders	good	Macfarlane examples at e.g. L
26383	?	?	ec		Penang Meeting Hall entrance canopy	Street	Malaysia	stable	1929 - unidentified extravagan
26424	?	?	ec		Penang Monkey Club entrance canopy	Monkey Club	Malaysia	good	to be Macfarlane No 299 as ill
371	?	?	ec		Comrie verandah	Barrack Road	Kinross	stable	attributed (by whom? & on wh
28153	?	Saracen Foundry Glasgow	fd	27	Bathurst trough & lamp	Machattie Park	Wales Australia	good	lamp as illus in 6th ed cat c18
28117	?	Saracen Foundry Glasgow	fd	13	Brazil Manaus drinking fountain (lost)	Praca da Matriz ?	Brazil	lost	Fountain as illus in 6th ed cat
28795	?	Saracen Foundry Glasgow	fd	305	Port Augusta canopy Australia	Commercial Street	Australia	good	appears to be a Macfarlane N
25818	?	Saracen Foundry Glasgow	fd	8	Adelaide Portrush Rd drinking fountain	Kensington	Australia	good	Surgeon 1877' ... as Macfarlar
28244	?	Saracen Foundry Glasgow	fd		Stewarton drinking fountain	Cemetery Dalry Road	Ayrshire	stable	appears to be a Macf No 15 di
135	?	Saracen Foundry Glasgow	fd	7	Castlemaine drinking fountain	Mostyn Street	Australia	not known	www.slv.vic.gov.au has image
26541	?	Saracen Foundry Glasgow	fo		Pretoria Melrose House fountain	Melrose House museum	Pretoria South Africa	not known	on fountain but appears simila
28080	?	Saracen Foundry Glasgow	ga	1139	Stornoway Goathill Road (A) gates	Goathill Road	Western Isles	good	railing panels ... photos & note
26129	?	?	ga		Aberdeen Duthie Park gates	Duthie Park	Aberdeen	good	apparent marks but centre sec
28091	?	Saracen Foundry Glasgow	ga		Stornoway Goathill Road (H) gate	Goathill Road	Western Isles	good	6th ed cat c1882 ... photos & r
26978	?	?	ga		Dornoch church gates	Evelix Road	Dornoch Highland	at risk	... top decoration destroyed ...
27615	?	Saracen Foundry Glasgow	ga		Ullapool War Memorial gates	War Memorial Garve Road	Highland	excellent	characteristics ... photos & not
27631	?	Saracen Foundry Glasgow	ga		Alness gate 2	RBS High Street	Alness Highland	good	attributable to Macf ... photos
27756	?	Saracen Foundry Glasgow	ga		Tain gate 1	Glenmorangie Road	Highland	good	Macfarlane railing 1139 (see r
28931	?	Saracen Foundry Glasgow	ga	809	Campbeltown gates & railings 05	High Askomil	Bute	fair	Macfarlane No 809 ... no survi
27638	?	Saracen Foundry Glasgow	ga	809	Whithorn cemetery gates	Town centre	Galloway	excellent	809 in 6th ed cat c1882 ... pho
27694	?	Saracen Foundry Glasgow	ga		Wick Rosebank gates	Rosebank Playing Fields	Highland	good	photos & note J Bolton 06.200
26953	?	?	ga		Maryburgh gates	Proby Street A862	Maryburgh Highland	stable	Macf No 213 railing panels ...
26009	?	?	ga		Glasgow Kelvinside Academy gates	Bellshaugh Road	Glasgow	stable	framework, assumed to date fr
27868	?	Saracen Foundry Glasgow	ga	1101	Stranraer gates 07	Lochryan Street	Galloway	good	but as Macf No 1101 in 6th ed
27871	?	Saracen Foundry Glasgow	ga	973	Stranraer gates 10	Edinburgh Road	Galloway	good	No 973 in 6th ed cat c1882 ...
28007	?	Saracen Foundry Glasgow	ga		Moniaive Townhead of Glencairn gates	Townhead of Glencairn	Galloway 3 mi east	good	railings q.v. ... photos & note J
26571	?	Saracen Foundry Glasgow	ga		Dalkeith Eskbank gate	Melville Road	Dalkeith Midlothian	stable	incorporated into a 'modern' w
27872	?	Saracen Foundry Glasgow	ga		Stranraer gates 11	London Road	Galloway	stable	Macf railing, but not in 6th ed
26861	?	Saracen Foundry Glasgow	ga	1097	Castle Douglas Ernspie Road gate 2	Ernspie Road A745	Dumfries & Galloway	good	gate pair as illus in 6th ed cat
									Macf decorative oil-lampost', b

493	?	?	la		Bridge of Allan 'provost' lamp	Henderson Street	Bridge of Allan Stirling	good	outside the house of the Provc
498	?	Saracen Foundry Glasgow	la		Stirling Barnton Street lamp pillars	Barnton Street	Stirling	stable	Modern Light fittings. ... DSM
26574	?	?	la	60	Edzell Inglis Hall lamp pillars	Street	Edzell Angus	good	only one with lantern. Similar
26428	?	?	la		Portsmouth Southsea lamp pillars	Clarence Esplanade	Hampshire	good	Macfarlane No 158 columns, v
28165	?	Saracen Foundry Glasgow	la		lamp pillars	Point Pleasant Park	Canada	good	not recorded by info source ...
28044	?	Saracen Foundry Glasgow	la		Stranraer lamp pillars	Scotland	Galloway	good	cat c1882, but others e.g. Lion
26947	?	?	la		Fochabers memorial lamp pillar	The Square	Fochabers Moray	excellent	electric lighting (from local hyd
311	?	?	la		Liverpool Cunard Building lamp pillars	Cunard Building Pier Head	Liverpool	good	marks, claimed in Macfarlane
27561	?	Saracen Foundry Glasgow	la	77	pillars	Market Street	Borders	stable	c1882 ... photos & note J Bolt
25844	?	?	la	56	lamps	Bridge at Buccleugh St	Galloway	good	as illustrated in 6th ed cat c18
28802	?	Saracen Foundry Glasgow	la	6	Perth (Aus) Trinity Church lamp pillars	Murray Street	Australia	stable	Macfarlane No 6 but no maker
27337	?	?	la	73	Edinburgh Queensferry St sign bracket	Street	Edinburgh	excellent	Macfarlane's No 73 lamp brac
27562	?	Saracen Foundry Glasgow	la	11	pillars	Market Street	Borders	stable	station ... unmarked but appea
28804	?	Saracen Foundry Glasgow	la		pillars	William Street	Australia	stable	be as Macfarlane No 83 lamp
27563	?	Saracen Foundry Glasgow	la	6	Galashiels Bridge Place lamp pillars	BridgeStreet	Borders	stable	marks but as Macf No6 lamp p
28513	?	Saracen Foundry Glasgow	la		Glasgow Belgrave Terrace balustrade	Western Road	Glasgow	excellent	associated with Macf lamp pill
28266	?	Saracen Foundry Glasgow	la	16	Beamish Museum Park pillar lamps	Park	Beamish Durham	excellent	No 16 pillars as illus in 6th ed
25932	?	?	ot		Perth station glazed screen	Perth Station platforms 5-7	Perth Perth & Kinross	stable	main station approach ... colur
27218	?	?	ot		Edinburgh Leith ventilation stack	Malmaison Hotel	Edinburgh Leith	good	by Macf but not exclusively ...
25884	?	?	ot	139	Lanark station canopy brackets	Lanark Station	Lanarkshire	excellent	as illustrated in Macfarlane's 6
25858	?	?	ot	190	Glasgow Queen Street Station columns	Queen Street Station	Glasgow	good	similarity to this illustration fror
27530	?	Saracen Foundry Glasgow	ra		Glasgow Cranworth Street railings 1	Cranworth Street	Glasgow	excellent	similar patterns attributed to M
28824	?	Saracen Foundry Glasgow	ra	457	Carlisle County Hotel roof railing	County Hotel Botchergate	Carlisle Cumbria	good	photos & note J Bolton 01.201
27528	?	Saracen Foundry Glasgow	ra		Glasgow Cresswell Street railings 2	Cresswell Street	Glasgow	good	qv ... unmarked but attributed
26853	?	Saracen Foundry Glasgow	ra	375	3	Abercromby Road A713	Dumfries & Galloway	good	of road (gates missing)... prob
27554	?	Saracen Foundry Glasgow	ra		balcony railing	Market Street	Borders	good	illus in 6th ed cat c1882 ... dat
27314	?	?	ra		Edinburgh Mayfield roof edge railing	Queen's Crescent	Edinburgh	good	...photos & note J Bolton 02.2(
27433	?	Saracen Foundry Glasgow	ra	1076	Fraserburgh railings 2	King Edward Street	Aberdeenshire	good	1076 ... one of nine patterns o
27432	?	Saracen Foundry Glasgow	ra	1076	Fraserburgh railings 1	King Edward Street	Aberdeenshire	good	see also railings 2 ... one of ni
26818	?	?	ra	40	Tywyn railings 1	nr Llwyngwrill A493	Gwynedd Wales	stable	catalogue cf Galashiels & Selk
27834	?	Saracen Foundry Glasgow	ra	809	Newton Stewart McMillan Hall railing	Square	Dumfries & Galloway	excellent	as Macf No 809 in 6th ed cat c
27842	?	Saracen Foundry Glasgow	ra	8	Stranraer railings 01	Stoneykirk Road	Galloway	good	ed cat c1882 ... photos & note
26809	?	?	ra	464	Aberystwyth railings 1	Darkgate Street	Ceredigeon Wales	good	building dated 1902 (now bar)
27813	?	Saracen Foundry Glasgow	ra		Drummore railings 6	Stair Street	Galloway	good	c1882 ... however front wall ra
27167	?	?	ra		Glasgow Sauchiehall Street railing 4	Sauchiehall Street (west)	Glasgow	good	... photos & note J Bolton 11.2
27741	?	Saracen Foundry Glasgow	ra	1018	Thurso balcony railing	Smith Terrace	Highland	excellent	cat c1882 ... photos & note J E
27853	?	Saracen Foundry Glasgow	ra	214	Stranraer railings 12	Lochryan Street	Galloway	good	No 214 in 6th ed cat c1882 bu
27717	?	Saracen Foundry Glasgow	ra		Wick Rosebank railing	Rosebank Playing Fields	Highland	good	photos & note J Bolton 06.200
27744	?	Saracen Foundry Glasgow	ra	40	Thurso balcony railing 2	East Church Street ?	Highland	good	6th ed cat c1882, but others m
27660	?	Saracen Foundry Glasgow	ra	704	Balquhidder Station railings & gates	A 84 north of Strathyre	Stirlingshire	stable	access ... date assumed from
27755	?	Saracen Foundry Glasgow	ra	1139	Tain railing 1	Glenmorangie Road	Highland	good	No 1139 as illus in 6th ed cat c
28976	?	Saracen Foundry Glasgow	ra	95	Tarbert Pier Road gates & railings 11	Pier Road	Tarbert Argyll & Bute	good	ed cat c1882 ... also railing pa
26905	?	Sun Foundry Glasgow?	ra	1031	Kirkcudbright St Mary Street railings 11	St Mary Street	& Galloway	good	1031 as illus in 6th ed c at c18
27162	?	?	ra		Glasgow Sauchiehall Street railing 1	Sauchiehall Street (west)	Glasgow	good	be a variation of Macf No 242
26977	?	?	ra		Dornoch church railing	Evelix Road	Dornoch Highland	at risk	... most top decoration destroy
27612	?	Saracen Foundry Glasgow	ra		Ullapool War Memorial railing	War Memorial Garve Road	Highland	good	pillars similar to Macf patterns
27610	?	Saracen Foundry Glasgow	ra	28	Ullapool railing 4	RBS Argyll Street	Highland	good	6th ed cat c1882 ... photos & r
27181	?	?	ra		Glasgow Royal Terrace railings 3	Royal Terrace	Glasgow	good	Macf No 585 baluster as illus i
									(but others made similar) ... p

28503	?	Saracen Foundry Glasgow	ra	1133	Ilfracombe High Street balcony railings	High Street	Ilfracombe Devon	good	special centre panels ... photo
26064	?	?	ra	774	Singapore Parliament House railings	Parliament House	Singapore	good	apparently unmarked but bottc
28185	?	Saracen Foundry Glasgow	ra	384	Grenada Catholic Cathedral railing	Church Street	West Indies	stable	railing & no 744 post in 6th ed
25992	?	?	ra	586	Glasgow Westbourne Gardens railings 2	Westboune Gardens W	Glasgow	excellent	Macfarlane No 586 as illustrat
28470	?	Saracen Foundry Glasgow	ra	459	Tarbert Pier Road gates & railings 10	Pier Road	Tarbert Argyll & Bute	good	... photos 02.1996 & note J Bo
28528	?	Saracen Foundry Glasgow	ra	582	Glasgow Southpark Terrace railings 2	Southpark Terrace	Glasgow	good	Bolton 05.2008
28345	?	Saracen Foundry Glasgow	ra		Plymouth Grand Parade balcony railings	Grand Parade	Plymouth Devon	excellent	catalogues but main railings o
28204	?	Saracen Foundry Glasgow	ra		Dominica Roseau balconies 1b	King George V Street	West Indies	excellent	No 299 as illus in 6th ed cat c
27857	?	Saracen Foundry Glasgow	ra	1031	Stranraer railings 17	Edinburgh Road	Galloway	good	unfamiliar gate posts ... see al
28315	?	Saracen Foundry Glasgow	ra	209	Southport Botanic Gardens railings	Botanic Gardens	Southport Lancashire	good	as Macf railings No 209 & pilla
26870	?	?	ra	242	Castle Douglas King Street railings 2	King Street A713	Dumfries & Galloway	good	as illus in 6th ed cat c1882 ...
28226	?	Saracen Foundry Glasgow	ra	163	Peebles Green Tree Hotel railing 2	Green Tree Hotel Northgate	Borders	good	6th ed cat c1882 ... photos & r
28878	?	Saracen Foundry Glasgow	ra	1104	Chelmsford verandah railing	Moulsham Street	Chelmsford Essex	good	6th ed cat c1882 ... photos & r
26133	?	?	ra		Aberdeen Union Terrace railings 2	Terrace	Aberdeen	excellent	very similar to Macf No 1126 r
28544	?	Saracen Foundry Glasgow	ra	879	Torridon Annat railing	A 897	Highland	good	unmarked, possibly Macf No 8
28010	?	Saracen Foundry Glasgow	ra	59	Moniaive roof terminals	Ayr Street / North Street	Galloway	good	as illus in 6th ed cat c1882 ...
27873	?	Saracen Foundry Glasgow	ra		Stranraer roof railing 1	London Road	Galloway	stable	be a version of Macf railing No
28920	?	Saracen Foundry Glasgow	ra	922	Aviemore balcony railing 1	Grampian Road	Aviemore Highland	good	photos & note J Bolton 06.201
25995	?	?	ra		Glasgow Kelvinside Academy railings	Bellshaugh Road	Glasgow	good	panels q.v. and Macfarlane lar
26744	?	Saracen Foundry Glasgow	ra		Galashiels Scott Street railings 2	Scott Street	Borders	stable	opposite Scott Park entrance .
28295	?	Saracen Foundry Glasgow	ra	179	St Andrews railing 6	Place	St Andrews Fife	good	179 as illus in 6th ed ct c1882
28166	?	Saracen Foundry Glasgow	ra	26	Newcastle Brandling balcony railing 1	Brandling Park	Newcastle on Tyne	good	... appears to be a variant of M
28389	?	Saracen Foundry Glasgow	ra	1032	Lerwick Burgh Road railings 11	Burgh Road	Lerwick Shetland	good	... photos & note J Bolton 02.2
28174	?	Saracen Foundry Glasgow	ra	117	Cathedral balc	St Michael's Cathedral	West Indies	excellent	but as Macf No 117 as illus in
28011	?	Saracen Foundry Glasgow	ra		Moniaive Townhead of Glencairn railings	Townhead of Glencairn	Galloway	excellent	cat c1882 ... photos & note J E
28047	?	Saracen Foundry Glasgow	ra	203	Stranraer roof railing 3	Sun Street	Galloway	good	additional top rail, & associate
28380	?	Saracen Foundry Glasgow	ra	574	Lerwick Burgh Road railings 02	Burgh Road	Lerwick Shetland	good	illus in 6th ed cat c1882 ... pho
28376	?	Saracen Foundry Glasgow	ra		Southport Wayfarers Arcade 2	Street / West street	Southport Lancashire	excellent	recognised Macf pattern, but a
28351	?	Saracen Foundry Glasgow	ra		Penang Chow Tye balcony railing	Chow Tye Road	Malaysia	stable	info & image G Jenkins 03.20(
574	?	Saracen Foundry Glasgow	ra		Glasgow Cranworth Street railings 2	Cranworth Street	Glasgow	stable	railings across from what was
28348	?	Saracen Foundry Glasgow	ra		South Molton balcony railings	Broad Street	South Molton Devon	stable	be Baker of Newport No 968 a
28851	?	Saracen Foundry Glasgow	ra	40 & 743	Gorebridge Vogrie grave railing	Vogrie Park	Gorebridge Midlothian	at risk	badly damaged, gate complet
28272	?	Saracen Foundry Glasgow	sh	10	Preston urinal (lost)	Road	Preston Lancashire	lost	persons' as illus in 6th ed cat c
26157	?	?	sh		Crich tram shelter 1	National Tramway Museum	Birmingham ?	good	with Macf No 231 bevelled bra
28551	?	Saracen Foundry Glasgow	sh		Blackpool tram shelter (moved)	moved)	Blackpool Lancashire	good	Pleasure Beach early 1980s ..
28552	?	Saracen Foundry Glasgow	sh		Dover tram shelter	Elms Vale Road	Dover Kent	good	apparently unmarked but pane
26714	?	?	sh	87	Dundee Balgay park shelter	Balgay Park	Dundee	stable	reconstruction of framework u
26775	?	?	sh		House'	Lalbagh Gardens	India Bangalore	good	crestings Nos 37 & 281, railing
									maker's name on gate pillars (

Scottish Architectural Ironwork
by Manufacturer

M	Macfarlane &	Foundry	ba		bandstand		Gardens	Dorset	exc
269	Macfarlane &	Foundry	ba		Southsea		Parade Pier	Portsmouth	lost
58	Macfarlane &	Foundry	ba		Exhibition		Park	Tyne	goo
26515	Macfarlane &	Foundry	ba		Arboretum		Arboretum	Staffordshire	stat
25821	Macfarlane &	Foundry	ba	279	Ellington		Park	Kent	
25823	Macfarlane &	Foundry	ba	279	Marine Park		Marine Park	Wirral	lost
26516	Macfarlane &	Foundry	ba		bandstand		Golden	Shropshire	goo
270	Macfarlane &	Foundry	ba		Robertson		Park	Renfrewshire	lost
28785	Macfarlane &	Foundry	ba	224	De Waal		Park	Cape Town	goo
162	Macfarlane &	Foundry	ba	249	Castle Park		Park	Essex	exc
26159	Macfarlane &	Foundry	ba	224	bandstand		Shore Road	Dorset	goo
26517	Macfarlane &	Foundry	ba		Myrtle Park		Myrtle Park	North	goo
434	Macfarlane &	Foundry	ba	279	Queen's Park	2	Willesden	Brent	goo
444	Macfarlane &	Foundry	ba	224	Spa		Gardens	Spa	goo
26513	Macfarlane &	Foundry	ba	249	West Park		Wilsthorpe	Derbyshire	stat
165	Macfarlane &	Foundry	ba		Springburn		Park	Springburn	lost
25798	Macfarlane &	Foundry	ba		bandstand		Museum	Kimberley	stat
164	Macfarlane &	Foundry	ba		Queen's Park		Queens Park	Queen's Park	lost
256	Macfarlane &	Foundry	ba	224	The Vine		Gardens	Kent	goo
245	Macfarlane &	Foundry	ba	279	Trent Hanley		Hanley Park	Stoke-on-	goo
27394	Macfarlane &	Foundry	ba		bandstand		Reid Park	Forfar Angus	goo
26521	Macfarlane &	Foundry	ba		Hare Hills		Park	Lancashire	exc
28820	Macfarlane &	Foundry	ba	249	Georgetown		Sea Wall	Guyana	poo
44	Macfarlane &	Foundry	ba	279	Museum		Museum	Durham	goo
26523	Macfarlane &	Foundry	ba		Brookdale		Park	Newtonheath	stat
26324	Macfarlane &	Foundry	ba	279	Victoria		Gardens	Kent	stat
379	Macfarlane &	Foundry	ba	279	bandstand	C	Road Public	South	stat
380	Macfarlane &	Foundry	ba	279	George Allan	B	Park	South	exc
345	Macfarlane &	Foundry	ba	225	bandstand	B	Public Park	Angus	goo
333	Macfarlane &	Foundry	ba		pavilion		Promenade	Wight	goo
51	Macfarlane &	Foundry	ba	279	bandstand	A	Stair Park	Dumfries &	goo
383	Macfarlane &	Foundry	ba	279	Dock Park	B	Dock Park	Dumfries &	goo
385	Macfarlane &	Foundry	ba		Rutherglen	B	Park	Rutherglen	fair

Scottish Architectural Ironwork
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26522	Macfarlane &	Foundry	ba	279	Victoria Park		Victoria Park	Cheshire	goo
27184	Macfarlane &	Foundry	ba	249	urg		Park	Pietermaritzb	poo
52	Macfarlane &	Foundry	ba	279	Haugh Park		Haugh Park	Cupar Fife	goo
272	Macfarlane &	Foundry	ba		bandstand		Promenade	West Sussex	lost
26518	Macfarlane &	Foundry	ba	279	Nunsmoor		Park	Newcastle	lost
386	Macfarlane &	Foundry	ba	279	bandstand	B	The Scores	Fife	goo
166	Macfarlane &	Foundry	ba	249	Capstone		Parade	Devon ex	mov
387	Macfarlane &	Foundry	ba	279	Laoghaire		East Pier	Laoghaire	at ri
26539	Macfarlane &	Foundry	ba	249	Buenos Aires		Barrancas de	Argentina	exc
26540	Macfarlane &	Foundry	ba	249	Pretoria		Burgher Park	South Africa	stat
28164	Macfarlane &	Foundry	ba	223	Halifax Point		Pleasant	Scotia	goo
396	Macfarlane &	Foundry	ba		bandstand		Park	Waterford	goo
28818	Macfarlane &	Foundry	ba	249	Georgetown		Gardens	Guyana	goo
27197	Macfarlane &	Foundry	ba		bandstand		Gardens	Guernsey	exc
376	Macfarlane &	Foundry	ba		bandstand	B	Drive Public	Fife	fair
25834	Macfarlane &	Foundry	ba	224	Fassnidge		Park	Hillingdon	goo
167	Macfarlane &	Foundry	ba	279	Leyton	2	Gardens	Leyton	exc
130	Macfarlane &	Foundry	ba	249	Vivary Park		Vivary Park	Somerset	goo
27132	Macfarlane &	Foundry	ba		Malvern		Priory Park	Malvern	goo
98	Macfarlane &	Foundry	ba		The Cliffs		The Cliffs	Sea Essex	lost
104	Macfarlane &	Foundry	ba	249	bandstand		Seafront	Ayrshire	lost
25956	Macfarlane &	Foundry	ba	249	on East Park		East Park	on West	at ri
26411	Macfarlane &	Foundry	ba		Park		Victoria Park	North East	exc
25729	Macfarlane &	Foundry	ba	279	Gillingdune		Gardens	Cornwall	exc
88	Macfarlane &	Foundry	ba	279	bandstand		Ripon	Yorkshire	exc
91	Macfarlane &	Foundry	ba	249	bandstand		The Elms	Wolverhampt	exc
26349	Macfarlane &	Foundry	ba	249	bandstand		Park	Northern	exc
99	Macfarlane &	Foundry	ba	279	South Park		South Park	Durham	exc
25700	Macfarlane &	Foundry	ba		bandstand		promenade	Cobh Ireland	exc
28890	Macfarlane &	Foundry	ba		Forthill Park		Forthill Park	Northern	exc
485	Macfarlane &	Foundry	ba	279	Bridgetown		Queen's Park	Barbados	exc
550	Macfarlane &	Foundry	ba	249	esplanade		Esplanade	West Sussex	goo
100	Macfarlane &	Foundry	ba		Fort Gardens		Fort Gardens	Kent	
163	Macfarlane &	Foundry	ba	279	Glebe Park	B	Glebe Park	Falkirk	goo

Scottish Architectural Ironwork
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74	Macfarlane &	Foundry	ba	279	Morrab		Gardens	Cornwall	exc
25888	Macfarlane &	Foundry	ba	249	Saughton		Park ?	Edinburgh	mo
97	Macfarlane &	Foundry	ba	230	Chalkwell		Park and/or	Sea Essex	lost
549	Macfarlane &	Foundry	ba	279	bandstand		Gardens	Dorset	lost
25971	Macfarlane &	Foundry	ba	279	promenade		Promenade	Anne's	stat
25916	Macfarlane &	Foundry	ba	249	Scott Park		Scott Park	Lancashire	goo
108	Macfarlane &	Foundry	ba	249	Malvern		Priory Park	Malvern	goo
473	Macfarlane &	Foundry	ba	249	Queen's Park		Queens Park	Derbyshire	goo
243	Macfarlane &	Foundry	ba		bandstand		Church Road	Oxfordshire	goo
25792	Macfarlane &	Foundry	ba	279	bandstand		Abolicao	Brazil Olinda	goo
69	Macfarlane &	Foundry	ba	249	Abbey		Gardens	Northumberla	exc
525	Macfarlane &	Foundry	ba		Magdalene	A	Park	Dundee	fair
25907	Macfarlane &	Foundry	ba	249	Winter		Gardens	Gloucestersh	mo
25908	Macfarlane &	Foundry	ba	279	Stanley Park		Stanley Park	Liverpool	exc
90	Macfarlane &	Foundry	ba	249	Melbourne		Park	North	lost
25915	Macfarlane &	Foundry	ba		bandstand 1		Street	Argyll & Bute	lost
544	Macfarlane &	Foundry	ba		Wells		Park	Wells Kent	lost
545	Macfarlane &	Foundry	ba		bandstand 2		Street	Argyll & Bute	lost
25695	Macfarlane &	Foundry	ba	225	Elder Park		Elder Park	South	exc
28989	Macfarlane &	Foundry	ba	224	Pickie		Pickie Park	Down	at ri
70	Macfarlane &	Foundry	ba	279	Carfax		centre)	West Sussex	exc
26703	Macfarlane &	Foundry	ba		(Aus) Band		Queen's Park	Queensland	goo
26458	Macfarlane &	Foundry	ba	279	Pool		pool environs	Derbyshire	goo
26421	Macfarlane &	Foundry	ba		bandstand		Ventnor Park	of Wight	goo
25673	Macfarlane &	Foundry	ba	279	Dane John		Gardens	Kent	exc
522	Macfarlane &	Foundry	ba	279	Sea Pier		Pier	Sea Essex	lost
28561	Macfarlane &	Foundry	bc		Fort Matthew		Fort Matthew	West Indies	poo
551	Macfarlane &	Foundry	bc	852	Royal Hotel		Esplanade	West Sussex	goo
26525	Macfarlane &	Foundry	bc		Arboretum		Arboretum	Staffordshire	at ri
304	Macfarlane &	Foundry	bc		Street		Plein Street	Johannesbur	not
26768	Macfarlane &	Foundry	bc	104	Berwick		Westgate	Berwick East	goo
299	Macfarlane &	Foundry	bc		Norfolk Hotel		Royale Hotel	Dorset	exc
300	Macfarlane &	Foundry	bc		Bright's /		Stores /	Dorset	stat
26418	Macfarlane &	Foundry	bc		Royal Hotel		Esplanade	West Sussex	goo

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27509	Macfarlane &	Foundry	bc	281 36	Royal		Road Royal	Argyll & Bute	goo
27510	Macfarlane &	Foundry	bc		Royal		Road Royal	Argyll & Bute	goo
26216	Macfarlane &	Foundry	bc	201	Queensgate		Church	Highland	stat
303	Macfarlane &	Foundry	bc		Sea Palace		Pier Hill	Sea Essex	goo
25941	Macfarlane &	Foundry	bc	41	balcony		George Hotel	& Kinross	stat
26214	Macfarlane &	Foundry	bc		Lovat Road		Lovat Road	Highland	goo
305	Macfarlane &	Foundry	bc		Aegis		Building	Johannesbur	not
306	Macfarlane &	Foundry	bc		Thorne		Stuttaford	Johannesbur	not
26409	Macfarlane &	Foundry	bc		railing		Street	North East	goo
309	Macfarlane &	Foundry	bc		ACPT bldg		Properties	Johannesbur	not
312	Macfarlane &	Foundry	bc		Roomoor ex		Savannah	Trinidad	not
26416	Macfarlane &	Foundry	bc	1016	Royal Hotel		Esplanade	West Sussex	goo
25807	Macfarlane &	Foundry	bc		n columns		Main Street	Grahamstow	goo
26348	Macfarlane &	Foundry	bc		verandah 2		Downs Road	Northern	goo
26347	Macfarlane &	Foundry	bc	25	Downs Road		Downs Road	Northern	goo
26346	Macfarlane &	Foundry	bc	948	Downs Road		Downs Road	Northern	goo
26379	Macfarlane &	Foundry	bc		Konsenih		Media &	Penang	goo
25810	Macfarlane &	Foundry	bc		British Hotel		harbour front	Simonstown	goo
26624	Macfarlane &	Foundry	bc		shopfront		Road	Lincolnshire	stat
26619	Macfarlane &	Foundry	bc		shopfront		Road	Lincolnshire	stat
26345	Macfarlane &	Foundry	bc		verandah 1		Downs Road	Northern	goo
25802	Macfarlane &	Foundry	bc		Travellers'		Travellers'	Cape Town	goo
25800	Macfarlane &	Foundry	bc		Cafe		Plein St ?	Cape Town	exc
28146	Macfarlane &	Foundry	bc		Port Antonio		Court House	Jamaica	goo
28767	Macfarlane &	Foundry	bc	158	The Mount		Hotel	Lancashire	goo
26332	Macfarlane &	Foundry	bc		Grand Hotel		Fir Vale	Dorset	lost
28137	Macfarlane &	Foundry	bc		Bridgetown		Broad Street	Barbados	exc
26389	Macfarlane &	Foundry	bc		Pinang		Street	Penang	exc
26367	Macfarlane &	Foundry	bc		Cheong Fatt		Leith Street	Penang	exc
25976	Macfarlane &	Foundry	bc		Yacht Club		Esplanade	of Glamorgan	goo
151	Macfarlane &	Foundry	bc	33	St George's		Hotel	Conwy	goo
26620	Macfarlane &	Foundry	bc		shopfront		Road	Lincolnshire	stat
26374	Macfarlane &	Foundry	bc		'1886		Beach Street	Penang	stat
26366	Macfarlane &	Foundry	bc	26	Cheong Fatt		Leith Street	Penang	exc

Scottish Architectural Ironwork
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26625	Macfarlane &	Foundry	bc		shopfront		Road	Lincolnshire	goo
136	Macfarlane &	Foundry	bl		Vancouver		Law Courts	Vancouver	not
26472	Macfarlane &	Foundry	bl		Market Hall		Market Street	Yorkshire	goo
25854	Macfarlane &	Foundry	bl		People's		Palace	Glasgow	exc
25789	Macfarlane &	Foundry	bl	1070	Manaus		Setembro	Amazonas	not
268	Macfarlane &	Foundry	bl		Western		Infirmary	Glasgow	goo
267	Macfarlane &	Foundry	bl		Town Hall		Town Hall	Wirral	exc
26390	Macfarlane &	Foundry	bl		Pinang		Street	Penang	exc
407	Macfarlane &	Foundry	bl		Chesed El		Synagogue	Singapore	exc
26392	Macfarlane &	Foundry	bl		Pinang		Street	Penang	exc
293	Macfarlane &	Foundry	bl		Castle		Africa Liner	!!	lost
266	Macfarlane &	Foundry	bl		Andrew's		Halls	Glasgow	lost
262	Macfarlane &	Foundry	bl		balustrade		Union	Liverpool	goo
264	Macfarlane &	Foundry	bl		balustrade		College &	Dorset	exc
26094	Macfarlane &	Foundry	bl		Whiteley's		Queensway	Bayswater	exc
263	Macfarlane &	Foundry	bl		balustrade		Building Pier	Liverpool	exc
265	Macfarlane &	Foundry	bl		balustrade		University	Liverpool	not
28600	Macfarlane &	Foundry	bo		rainware 1		Road	Renfrewshire	exc
28919	Macfarlane &	Foundry	bo		Church		Church	Highland	exc
26052	Macfarlane &	Foundry	bo		Lord St roof		Lord Street	Lancashire	exc
25774	Macfarlane &	Foundry	bo		Tay finials &		Avenue &	Tay Fife	goo
25771	Macfarlane &	Foundry	bo	21	rainware		Station, Main	West Lothian	fair
26173	Macfarlane &	Foundry	bo		rainware		Lodge off	Highland	goo
25906	Macfarlane &	Foundry	bo		St George's		Hotel	Conwy	goo
26172	Macfarlane &	Foundry	bo		shopfront		High Street	Highland	exc
26171	Macfarlane &	Foundry	bo		shopfront		High Street	Highland	exc
28709	Macfarlane &	Foundry	bo		Princes		Gardens	Glasgow	goo
400	Macfarlane &	Foundry	bo		Pumping		Pumping	Hucknall	goo
28582	Macfarlane &	Foundry	bo	12	rainware 2		High Street	Lothian	goo
28581	Macfarlane &	Foundry	bo	65	rainware 1		High Street	Lothian	goo
26235	Macfarlane &	Foundry	bo	91	rainware		Station Road	Highland	goo
25865	Macfarlane &	Foundry	bo	958	Hotel roof		Ayr Station	Ayrshire	goo
28805	Macfarlane &	Foundry	bo		Cultural		Cultural	Western	goo
326	Macfarlane &	Foundry	bo		Town Hall		Town Hall	Wirral	goo

Scottish Architectural Ironwork
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28259	Macfarlane &	Foundry	bo		Museum		Museum	Durham	exc
26008	Macfarlane &	Foundry	bo		Central		Station	Glasgow	exc
25825	Macfarlane &	Foundry	bo	436	terminal		east end	West Lothian	stat
26007	Macfarlane &	Foundry	bo		Ingram		House	Glasgow	goo
26006	Macfarlane &	Foundry	bo		Ingram		House	Glasgow	goo
26005	Macfarlane &	Foundry	bo		Ingram		House	Glasgow	goo
28358	Macfarlane &	Foundry	bo	158 & 783	Nicolson		Street	Edinburgh	goo
26233	Macfarlane &	Foundry	bo		spandril		Guest House	Highland	exc
28475	Macfarlane &	Foundry	bo		n Hotel		Hotel Main	n Argyll &	exc
28364	Macfarlane &	Foundry	bo		rainware		Lydgait	East Lothian	exc
25931	Macfarlane &	Foundry	bo		rainware		platforms	& Kinross	goo
28501	Macfarlane &	Foundry	bo		Royal		ex Royal	Devon	exc
25785	Macfarlane &	Foundry	bo		King's Cross		Road King's	Dundee	goo
25867	Macfarlane &	Foundry	bo	119	Hotel roof		Ayr Station	Ayrshire	goo
28822	Macfarlane &	Foundry	bo	1	Edmunds		Cornhill	Edmunds	exc
28250	Macfarlane &	Foundry	bo	349	Museum roof		Museum	Durham	exc
28825	Macfarlane &	Foundry	bo	62 & 50	English		Street	Cumbria	goo
25839	Macfarlane &	Foundry	bo	163	Annan Road		Annan Road	Dumfries &	goo
27679	Macfarlane &	Foundry	bo	43	Town Hall		Town Hall	Dumfries &	goo
27952	Macfarlane &	Foundry	bo	137	Matheson		Road	Lewis	goo
28070	Macfarlane &	Foundry	bo		Royal		Observatory	Edinburgh	goo
27950	Macfarlane &	Foundry	bo	12	Matheson		Road	Lewis	goo
28124	Macfarlane &	Foundry	bo		Manaus		Municipal R	Amazonas	goo
27150	Macfarlane &	Foundry	bo	9	pilasters		A917	Fife	goo
28061	Macfarlane &	Foundry	bo		Church Hill		Road	Edinburgh	goo
28053	Macfarlane &	Foundry	bo	231	roof terminal		Sun Street	Dumfries &	goo
28052	Macfarlane &	Foundry	bo	436 & 42	roof terminal		NHS Building	Dumfries &	exc
27922	Macfarlane &	Foundry	bo	23	Garden Road		Garden Road	Lewis	goo
26329	Macfarlane &	Foundry	bo		Ditherington		Mill	Shropshire	stat
27895	Macfarlane &	Foundry	bo	25	water head 2		Church	Scottish	goo
28128	Macfarlane &	Foundry	bo	62	Manaus		R dez de	Amazonas	exc
27101	Macfarlane &	Foundry	bo	31	roof finial 4		Atholl Street	Perthshire &	stat
28133	Macfarlane &	Foundry	bo		Bridgetown		Broad Street	Barbados	goo
									goo

Scottish Architectural Ironwork
by Manufacturer

28138	Macfarlane &	Foundry	bo		Bridgetown		Broad Street	Barbados	exc
28148	Macfarlane &	Foundry	bo	31	Main Street		Main Street	Midlothian	goo
27955	Macfarlane &	Foundry	bo	44	Matheson		Road	Lewis	goo
27644	Macfarlane &	Foundry	bo	163	West End		Hotel	Highland	stat
26932	Macfarlane &	Foundry	bo	48	Restalrig		Road /	Jock's Lodge	exc
26479	Macfarlane &	Foundry	bo		Office		Street	Yorkshire	goo
27265	Macfarlane &	Foundry	bo		RC Cathedral		Cathedral	Edinburgh	goo
27104	Macfarlane &	Foundry	bo	9	roof terminal		South Street	Fife	goo
27757	Macfarlane &	Foundry	bo		terminal 1		e Road	shire	goo
27102	Macfarlane &	Foundry	bo	462	roof finial 3		Atholl Street	Perthshire &	stat
27747	Macfarlane &	Foundry	bo		water head		High Street	Caithness	goo
28129	Macfarlane &	Foundry	bo		Manaus		Setembro	Amazonas	exc
27891	Macfarlane &	Foundry	bo	47	water head 1		Hotel The	Scottish	exc
26396	Macfarlane &	Foundry	bo		Lumpur		Lumpur Old	Lumpur	stat
28108	Macfarlane &	Foundry	bo	75	Cromwell		Street	Lewis	goo
27512	Macfarlane &	Foundry	bo	281	Royal		Road Royal	Argyll & Bute	goo
27511	Macfarlane &	Foundry	bo	42	Royal		Road Royal	Argyll & Bute	goo
26688	Macfarlane &	Foundry	bo		Taybridge		Road	Perthshire &	goo
28112	Macfarlane &	Foundry	bo		Town Hall		South Beach	Lewis	goo
27347	Macfarlane &	Foundry	bo	169	Princes		House 100	Edinburgh	exc
27498	Macfarlane &	Foundry	bo	436	Victoria Hotel		Street	Argyll & Bute	goo
26407	Macfarlane &	Foundry	bo	381	Hedgemead		Park	North East	goo
26377	Macfarlane &	Foundry	bo		Beach Street		Beach Street	Penang	stat
26376	Macfarlane &	Foundry	bo		34 Beach		Beach Street	Penang	stat
27840	Macfarlane &	Foundry	bo	41	Stewart rain		Road	Stewart	stat
26415	Macfarlane &	Foundry	bo		Royal Hotel		Esplanade	West Sussex	exc
27616	Macfarlane &	Foundry	bo	31	terminals		Street	Wester Ross	goo
26422	Macfarlane &	Foundry	bo		Milton		Milton Road	Hampshire	goo
26423	Macfarlane &	Foundry	bo		Sea Palace		Pier Hill	Sea Essex	goo
27217	Macfarlane &	Foundry	bo	21	Leith		Street	Leith	goo
27575	Macfarlane &	Foundry	bo	349	Institute roof		Bridge Street	Caithness	exc
26762	Macfarlane &	Foundry	bo		roof terminal		House Hotel	Highland	stat
27886	Macfarlane &	Foundry	bo		terminal 1		Community	Scottish	at ri
									goo

Scottish Architectural Ironwork
by Manufacturer

26786	Macfarlane &	Foundry	bo	253	Court House		House High	Highland	goo
26432	Macfarlane &	Foundry	bo		rainware 1		Ladies	Gloucestersh	goo
26433	Macfarlane &	Foundry	bo		rainware 2		Town Hall	Gloucestersh	goo
27945	Macfarlane &	Foundry	bo		Matheson		Road	Lewis	goo
28126	Macfarlane &	Foundry	bo		Manaus		Municipal R	Amazonas	goo
26375	Macfarlane &	Foundry	bo		'1886		Beach Street	Penang	stat
27542	Macfarlane &	Foundry	bo	173	Wells		Teme Street	Wells	exc
28219	Macfarlane &	Foundry	bo		Veitch's roof		Northgate	Scottish	goo
26253	Macfarlane &	Foundry	bo		Albert Hotel		59 Cove	Inverclyde	goo
28221	Macfarlane &	Foundry	bo	92	Veitch's		Northgate	Scottish	goo
26197	Macfarlane &	Foundry	bo	92	rainware 1		Museum	Highland	exc
28222	Macfarlane &	Foundry	bo	91	Veitch's		High Street	Scottish	goo
26598	Macfarlane &	Foundry	bo		lettering		Village centre	Gwynedd	goo
27970	Macfarlane &	Foundry	bo	422	Matheson		Road	Lewis	exc
27048	Macfarlane &	Foundry	bo	462	roof terminal		Hall	East Lothian	goo
26257	Macfarlane &	Foundry	bo		roof terminal		harbour end	Inverclyde	exc
27984	Macfarlane &	Foundry	bo	15	Matheson		Road	Lewis	goo
27057	Macfarlane &	Foundry	bo		Castle		Castle	Perthshire &	goo
27985	Macfarlane &	Foundry	bo	743	Matheson		Road	Lewis	exc
28176	Macfarlane &	Foundry	bo		Bridgetown		Broad Street	Barbados	exc
27431	Macfarlane &	Foundry	bo	42	Saltoun Arms		Square	Aberdeenshir	lost
28220	Macfarlane &	Foundry	bo	64	Veitch's		Northgate	Scottish	goo
27698	Macfarlane &	Foundry	bo		rainware 2		Terrace	Caithness	goo
27971	Macfarlane &	Foundry	bo	93	Matheson		Road	Lewis	exc
26489	Macfarlane &	Foundry	bo		Town Hall		Kirkgate	Fife	goo
28016	Macfarlane &	Foundry	bo	42	Sheriff Court		Lewis Street	Dumfries &	exc
26610	Macfarlane &	Foundry	bo		shelter roof		Gardens &	North	goo
27736	Macfarlane &	Foundry	bo		rainware 3		Street	Caithness	exc
289	Macfarlane &	Foundry	br		Cartmel		Station	Cartmel	fair
260	Macfarlane &	Foundry	br		Union Bridge		Union Bridge	Aberdeen	goo
259	Macfarlane &	Foundry	br		Bridge 2		Medway	Kent	exc
28778	Macfarlane &	Foundry	br		rail bridge		Road	Stirlingshire	at ri
258	Macfarlane &	Foundry	br		& lamps		Exe Bridge	Devon	goo
									exc

Scottish Architectural Ironwork
by Manufacturer

25923	Macfarlane &	Foundry	br	1106	bridge		Junction	Northumberla	goo
26126	Macfarlane &	Foundry	br		Duthie Park		Duthie Park	Aberdeen	goo
261	Macfarlane &	Foundry	br		bridge		Bridge	London	fair
26986	Macfarlane &	Foundry	br		Spa bridge		Bridge	Spa	goo
26352	Macfarlane &	Foundry	bu		Wells		Crescent	Wells Powys	exc
26385	Macfarlane &	Foundry	bu		Pinang		Street	Penang	exc
28817	Macfarlane &	Foundry	bu		Port Antonio		Lodge	Jamaica	goo
250	Macfarlane &	Foundry	bu		Thornton &		Co Ltd	Yorkshire	goo
27242	Macfarlane &	Foundry	bu	132	hotel front		Hotel Main	Strirlingshire	stat
244	Macfarlane &	Foundry	bu		façade		Buildings	Northern	lost
26643	Macfarlane &	Foundry	bu		Barton	2	Square	Manchester	exc
26642	Macfarlane &	Foundry	bu		Barton	2	Barton	Manchester	exc
391	Macfarlane &	Foundry	bu		Ca'Doro		/ Gordon St	Glasgow	goo
291	Macfarlane &	Foundry	bu		Palace		City centre	India Mysore	goo
392	Macfarlane &	Foundry	bu		Lau Pa Sat		Telok Ayer	Singapore	exc
290	Macfarlane &	Foundry	bu		Arcade		The Arcade	Johannesbur	not
238	Macfarlane &	Foundry	bu		Building		Street	West	lost
242	Macfarlane &	Foundry	bu		cinema		Oxford Street	London	lost
26152	Macfarlane &	Foundry	bu		Brown Bear		Brown Bear	Tweed	goo
397	Macfarlane &	Foundry	bu		Barton	2	Barton	Manchester	exc
325	Macfarlane &	Foundry	bu		Tea Garden		& Son Ltd	India Madras	not
25912	Macfarlane &	Foundry	bu		facade (VIP)		Street /	Liverpool	stat
25911	Macfarlane &	Foundry	bu		Orleans		House	Liverpool	goo
25778	Macfarlane &	Foundry	bu		Fortaleza		de Alencar	Fortaleza	exc
292	Macfarlane &	Foundry	bu		banking hall		Road Bank	India Madras	not
248	Macfarlane &	Foundry	bu		Co-op	2	Co-operative	Durham	stat
236	Macfarlane &	Foundry	bu		facade		Oxford Street	London	exc
235	Macfarlane &	Foundry	bu		facade		Exchange	Liverpool	exc
26369	Macfarlane &	Foundry	bu		Cheong Fatt		Leith Street	Penang	exc
26368	Macfarlane &	Foundry	bu		Cheong Fatt		Leith Street	Penang	exc
26372	Macfarlane &	Foundry	bu		Cheong Fatt		Leith Street	Penang	exc
25676	Macfarlane &	Foundry	bu		Mesnes Park	2	Mesnes Park	Lancashire	stat
247	Macfarlane &	Foundry	bu		Bosch / Glen		Court Road	London	exc
									exc

Scottish Architectural Ironwork
by Manufacturer

241	Macfarlane &	Foundry	bu		Waterstone's		Broad Street	Oxfordshire	exc
26384	Macfarlane &	Foundry	bu		Pinang		Street	Penang	exc
390	Macfarlane &	Foundry	bu		Blackwellgat		Blackwellgat	Durham	goo
567	Macfarlane &	Foundry	bu		Wintergarden	A	Street	Argyll & Bute	goo
25775	Macfarlane &	Foundry	bu		stations		Station	Grande da	goo
415	Macfarlane &	Foundry	bu		Milton Free	A	Street -Milton	Glasgow	exc
25838	Macfarlane &	Foundry	bu	132	English		Street	Dumfries &	exc
389	Macfarlane &	Foundry	bu		Tubwell Row		37 Tubwell	Durham	goo
406	Macfarlane &	Foundry	bu		Manaus		Municipal	Amazonas	goo
249	Macfarlane &	Foundry	bu		cinema		Picture	Berkshire	lost
246	Macfarlane &	Foundry	bu		Prudential		Building	London	lost
28559	Macfarlane &	Foundry	bu	68	bracket &		Pharmacy	Arran North	goo
28558	Macfarlane &	Foundry	bu	131	window		Hotel The	Arran North	goo
251	Macfarlane &	Foundry	bu		Office House'		House	Yorkshire	lost
26915	Macfarlane &	Foundry	bu	131	shopfront 2		Road	Fife	exc
26829	Macfarlane &	Foundry	bu		shopfront		Road A547	Conwy	goo
26463	Macfarlane &	Foundry	bu		Tubwell Row		37 Tubwell	Durham	exc
25722	Macfarlane &	Foundry	bu		Elvery's		Street (was	Ireland	goo
27798	Macfarlane &	Foundry	bu	164	shopfront 05		Street	Fife	exc
28301	Macfarlane &	Foundry	bu	5	shopfront 09		South Street	Fife	goo
27796	Macfarlane &	Foundry	bu	5	shopfront 1		King Street	Perthshire &	goo
25882	Macfarlane &	Foundry	bu	123	front		Brooks	South	goo
26626	Macfarlane &	Foundry	bu		former		A57	Lincolnshire	stat
26473	Macfarlane &	Foundry	bu		Market Hall		Market Street	Yorkshire	goo
26474	Macfarlane &	Foundry	bu		Market Hall		Market Street	Yorkshire	goo
240	Macfarlane &	Foundry	bu		Westminster		Street	London	exc
25790	Macfarlane &	Foundry	bu		Market Hall		not identified	Brazil Belem	goo
27797	Macfarlane &	Foundry	bu	150	shopfront 04		Bell Street	Fife	exc
27095	Macfarlane &	Foundry	bu		shop front 1		Atholl Street	Perthshire &	goo
26095	Macfarlane &	Foundry	bu		Barker's		High Street	London	lost
26478	Macfarlane &	Foundry	bu		Commercial		Street	Yorkshire	goo
26601	Macfarlane &	Foundry	bu		former		Hall	of Man	goo
26100	Macfarlane &	Foundry	bu		Plantation		Street	London	lost
	Macfarlane &								

Scottish Architectural Ironwork
by Manufacturer

26648	Macfarlane &	Foundry	bu		Cilfowir		east of	Ceridigion	exc
26985	Macfarlane &	Foundry	bu		shopfront		High Street	Dorset	goo
27100	Macfarlane &	Foundry	bu	122	shopfront 01		South Street	Fife	goo
25868	Macfarlane &	Foundry	bu	425	roof terminal		Ayr Station	Ayrshire	poo
26485	Macfarlane &	Foundry	bu		Market Hall		City Markets	Yorkshire	exc
26529	Macfarlane &	Foundry	bu		shopfront		Main Street	Shropshire	stat
254	Macfarlane &	Foundry	bu		façade		Dobbin & Co	Northern	lost
28300	Macfarlane &	Foundry	bu		shopfront 08		South Street	Fife	goo
252	Macfarlane &	Foundry	bu		facade		Street	London	exc
253	Macfarlane &	Foundry	bu		facade		House Major	Manchester	not
25721	Macfarlane &	Foundry	bu		University		University	Ireland	goo
28125	Macfarlane &	Foundry	bu		Manaus		Municipal R	Amazonas	goo
287	Macfarlane &	Foundry	bu		Paolo station		Luz Station	Paulo	goo
255	Macfarlane &	Foundry	bu		shopfront		Basnett St	Liverpool	lost
28122	Macfarlane &	Foundry	bu		Manaus		Municipal R	Amazonas	not
28123	Macfarlane &	Foundry	bu		Manaus		Municipal R	Amazonas	goo
25720	Macfarlane &	Foundry	bu		Concert Hall		Concert Hall	Ireland	goo
284	Macfarlane &	Foundry	bu		palace		Palace	India Spiri	not
28282	Macfarlane &	Foundry	bu	131	shopfront		Street	Cambridge	exc
239	Macfarlane &	Foundry	bu		Skinner's		Arms	London	lost
123	Macfarlane &	Foundry	ct		h clocktower	2	Albert Park	h North	exc
539	Macfarlane &	Foundry	ct		clocktower		Promenade	of Man	goo
413	Macfarlane &	Foundry	ct		clocktower	2	Great Whyte	Huntingdon	goo
540	Macfarlane &	Foundry	ct		Hastings		Civic Centre	South	exc
25776	Macfarlane &	Foundry	ct		clocktower		Relogio	Brazil Belem	goo
25716	Macfarlane &	Foundry	ct		Morningside		Cross	Edinburgh	goo
25779	Macfarlane &	Foundry	ct		Bromwich		shopping	Bromwich	goo
377	Macfarlane &	Foundry	ct		Tollcross	C	Tollcross	Edinburgh	goo
26060	Macfarlane &	Foundry	ct	35	Lau Pa Sat		Telok Ayer	Singapore	exc
324	Macfarlane &	Foundry	ct		clock tower		Gardens	Dorset	goo
26470	Macfarlane &	Foundry	ct		Market Hall		Market Street	Yorkshire	exc
232	Macfarlane &	Foundry	ct		on clock		West Park	on West	exc
67	Macfarlane &	Foundry	ct	231	Allan		Street	Allan Stirling	fair
									goo

Scottish Architectural Ironwork
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25903	Macfarlane &	Foundry	ec		pavement		Street	Conwy	goo
329	Macfarlane &	Foundry	ec		entrance		Ferry Road	Dundee	goo
28880	Macfarlane &	Foundry	ec	158 & 201	verandah		The Avenue	Lincoln	exc
25902	Macfarlane &	Foundry	ec		pavement		Street (North)	Conwy	goo
25901	Macfarlane &	Foundry	ec		pavement		Street	Conwy	goo
26633	Macfarlane &	Foundry	ec	133 & 53	Auckland		Street	New Zealand	lost
28461	Macfarlane &	Foundry	ec		Hotel canopy		Hotel (new	Argyll & Bute	goo
27288	Macfarlane &	Foundry	ec	132	Trossachs		Trossachs	Callander	exc
26573	Macfarlane &	Foundry	ec	229	entrance		High Street	Angus	goo
378	Macfarlane &	Foundry	ec		Great	A	Western	Glasgow	at ri
26417	Macfarlane &	Foundry	ec	140	Royal Hotel		Esplanade	West Sussex	goo
25827	Macfarlane &	Foundry	ec		Sands		Kendal	Sands	goo
26827	Macfarlane &	Foundry	ec		pavement		Road	Conwy	stat
294	Macfarlane &	Foundry	ec		Grand Hotel		Fir Vale	Dorset	lost
106	Macfarlane &	Foundry	ec		Balmoral		Road	Stirling	goo
28796	Macfarlane &	Foundry	ec	299	Oakbank		Pike Street	Adelaide	exc
490	Macfarlane &	Foundry	ec		Melville		Terrace	Stirling	goo
26035	Macfarlane &	Foundry	ec		657 Lord		Buildings	Lancashire	goo
26039	Macfarlane &	Foundry	ec		219 Lord		Learning	Lancashire	exc
288	Macfarlane &	Foundry	ec		Phalerum		Station	Phalerum	not
26048	Macfarlane &	Foundry	ec		311 Lord		Arcade Lord	Lancashire	goo
26049	Macfarlane &	Foundry	ec		137 Lord		141 Lord	Lancashire	exc
26050	Macfarlane &	Foundry	ec		092 Lord		Hesketh	Lancashire	goo
28280	Macfarlane &	Foundry	ec	139	n verandah		Hotel	n South	exc
285	Macfarlane &	Foundry	ec		Central		Station,	Glasgow	goo
26356	Macfarlane &	Foundry	ec		Wells		(former shop)	Wells Powys	exc
26824	Macfarlane &	Foundry	ec		pavement		Road A547	Conwy	stat
26065	Macfarlane &	Foundry	ec		Clifford Pier		& City Halls	Singapore	stat
26828	Macfarlane &	Foundry	ec		porch		Road A547	Conwy	goo
27147	Macfarlane &	Foundry	ec		'Beach		Road	Fife	goo
28852	Macfarlane &	Foundry	ec		Mesnes Park		Mesnes Park	Lancashire	stat
28924	Macfarlane &	Foundry	ec	104 31	entrance		House	Aberdeenshir	goo
27442	Macfarlane &	Foundry	ec		entrance		Street	Aberdeenshir	stat
									goo

Scottish Architectural Ironwork
by Manufacturer

27649	Macfarlane &	Foundry	ec	139 & 55	Highland		Hotel (ex	Highland	exc
27650	Macfarlane &	Foundry	ec	42	canopy		(below)	Highland	goo
26954	Macfarlane &	Foundry	ec		Spey		Avenue	Spey	exc
28711	Macfarlane &	Foundry	ec		Prince Albert		Road	Glasgow	exc
157	Macfarlane &	Foundry	ec		pavement		Cardiff Road	Gwynnedd	stat
26169	Macfarlane &	Foundry	ec	204	porch		shoreside	Argyll & Bute	goo
27148	Macfarlane &	Foundry	ec		'Beach		Road	Fife	goo
298	Macfarlane &	Foundry	ec		King's		Theatre	Glasgow	lost
297	Macfarlane &	Foundry	ec		Theatre		Theatre New	Yorkshire	lost
28460	Macfarlane &	Foundry	ec		Hotel canopy		Hotel (since	Argyll & Bute	rebu
302	Macfarlane &	Foundry	ec		Liscard		Road	Liscard	lost
28907	Macfarlane &	Foundry	ec		entrance		Square	Highland	goo
301	Macfarlane &	Foundry	ec		Westover		Buildings	Dorset	goo
296	Macfarlane &	Foundry	ec		Park Cinema		(later	Wirral	lost
346	Macfarlane &	Foundry	ec		Station		Railway	Angus	goo
295	Macfarlane &	Foundry	ec		Beale's		(The Fancy	Dorset	lost
28343	Macfarlane &	Foundry	ec	135 & 52	Hoe Cafe		The Hoe	Devon	exc
361	Macfarlane &	Foundry	fd	8	drinking	C	Castle	Dumfries &	poo
27654	Macfarlane &	Foundry	fd		drinking		Station	Highland	lost
76	Macfarlane &	Foundry	fd	20	Glasgow	A	Green (east	Glasgow	exc
356	Macfarlane &	Foundry	fd	8	Albert Road	C	Albert Road	Inverclyde	poo
357	Macfarlane &	Foundry	fd	19	Court Street	C	Court Street	East Lothian	goo
27737	Macfarlane &	Foundry	fd	19	drinking		Esplanade	Caithness	goo
360	Macfarlane &	Foundry	fd	8	drinking	C	Street /	North	goo
71	Macfarlane &	Foundry	fd	8	drinking		promenade	Wirral	exc
26973	Macfarlane &	Foundry	fd	18	drinking		B 9006	Highland	stat
25758	Macfarlane &	Foundry	fd	21	(Aus) City		City Park	Tasmania	exc
556	Macfarlane &	Foundry	fd	17	Dudhope		Park	Dundee	dere
79	Macfarlane &	Foundry	fd	8	Mowbray		Gardens	Tyne & Wear	exc
81	Macfarlane &	Foundry	fd	21	Tay The		The Braes	Tay Fife	fair
26611	Macfarlane &	Foundry	fd	8	Mountfitchet		Silver Street	Mountfitchet	stat
557	Macfarlane &	Foundry	fd	21	Sunken		Gardens	Northern	fair
	Macfarlane &								

Scottish Architectural Ironwork
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358	Macfarlane &	Foundry	fd	16	Station	B	Railway	Aberdeenshir	goo
25813	Macfarlane &	Foundry	fd	40	Mowbray		Ground Road	Cape Town	goo
27066	Macfarlane &	Foundry	fd	27	'The		centre	Midlothian	lost
25772	Macfarlane &	Foundry	fd	31	John's		adjacent to	Argyll & Bute	goo
26705	Macfarlane &	Foundry	fd		drinking		Stair Park	South	lost
27065	Macfarlane &	Foundry	fd	12	drinking		/ Bogsbank	Scottish	goo
472	Macfarlane &	Foundry	fd	21	Handsworth		Park	Birmingham	exc
25820	Macfarlane &	Foundry	fd		drinking		Victoria	Wirral	lost
555	Macfarlane &	Foundry	fd	8	Hawkhill		Hawkhill	Dundee	lost
28546	Macfarlane &	Foundry	fd	8	drinking		Esplanade	Isle of Wight	exc
25819	Macfarlane &	Foundry	fd	8	Port Adelaide		Street /	South	goo
27655	Macfarlane &	Foundry	fd	80	drinking		The Crofter	Highland	lost
25814	Macfarlane &	Foundry	fd		Seapoint		(location not	South Africa	goo
26599	Macfarlane &	Foundry	fd		village pump		Village centre	Lincolnshire	goo
25812	Macfarlane &	Foundry	fd	27	Rondebosch		Belmont	Cape Town	goo
25780	Macfarlane &	Foundry	fd	8	Williamstown		Williamstown	Victoria	goo
27060	Macfarlane &	Foundry	fd	5	drinking		Road	Kelty Fife	poo
68	Macfarlane &	Foundry	fd	8	Sele drinking		The Sele	Northumberla	goo
25787	Macfarlane &	Foundry	fd	8	Humaita		not identified	Humaita	goo
352	Macfarlane &	Foundry	fd	16	Station	B	Station	Dumfries &	fair
86	Macfarlane &	Foundry	fd	8	Railway		Square	South Wales	lost
354	Macfarlane &	Foundry	fd	20	Saltoun	B	Place	Aberdeenshir	fair
27210	Macfarlane &	Foundry	fd	7	cemetery		Cemetery	Dunbartonshi	lost
25815	Macfarlane &	Foundry	fd	21	drinking		Town Square	Burgersdorp	goo
502	Macfarlane &	Foundry	fd	19	Valentino		Valentino	Valentino	stat
28784	Macfarlane &	Foundry	fd	21	McKirdy		Church Hall	Lesmahagow	lost
484	Macfarlane &	Foundry	fd	21	NMS drinking		Museum of	Edinburgh	goo
28984	Macfarlane &	Foundry	fd	19	Park drinking		Derby Park	Sefton	exc
28800	Macfarlane &	Foundry	fd	8	Glenelg		House	South	goo
28873	Macfarlane &	Foundry	fd		Wallace		not identified	East	unk
28794	Macfarlane &	Foundry	fd	18	drinking		The Park	Western	goo
388	Macfarlane &	Foundry	fd	21	drinking		Heritage	North	goo
	Macfarlane &								

Scottish Architectural Ironwork
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25671	Macfarlane &	Foundry	fd	8	Steelyard		(Main	West Lothian	goo
53	Macfarlane &	Foundry	fd	8	Furness		precinct	Furness	fair
504	Macfarlane &	Foundry	fd	20	Savanna-la-		d nr	Mar Jamaica	goo
49	Macfarlane &	Foundry	fd	8	Down	2	nr	Bristol	exc
507	Macfarlane &	Foundry	fd	18	drinking		village centre	Stirling	goo
28542	Macfarlane &	Foundry	fd	8	drinking		Market	Welshpool	lost
508	Macfarlane &	Foundry	fd	45	fountain &		Column - the	Holt Norfolk	fair
26757	Macfarlane &	Foundry	fd	15	drinking		Station	Highland	lost
509	Macfarlane &	Foundry	fd	20	drinking		Street	Argyll & Bute	lost
103	Macfarlane &	Foundry	fd	21	Victoria Park		Victoria Park	Midlands	Poc
25723	Macfarlane &	Foundry	fd	16	Innerwick		village	Lothian	goo
45	Macfarlane &	Foundry	fd	8	Beare Park		Elizabeth	South Wales	goo
27118	Macfarlane &	Foundry	fd	8	Haslam Park		Haslam Park	Lancashire	goo
28777	Macfarlane &	Foundry	fd	8	O'Brien Park		Clare Street	Ireland	goo
25741	Macfarlane &	Foundry	fd	20	Gama clock/		Embankment	Durban	goo
26758	Macfarlane &	Foundry	fd		Station		Railway	Fife	unk
87	Macfarlane &	Foundry	fd	8	drinking		Main Street	Dunbartonshi	poo
27622	Macfarlane &	Foundry	fd	16	drinking		Street	Dumfries &	stat
25727	Macfarlane &	Foundry	fd		drinking		Village centre	Northumberla	goo
527	Macfarlane &	Foundry	fd		Abbotshall		Churchyard	Fife	exc
26838	Macfarlane &	Foundry	fd	11	House		House stable	Falkland Fife	exc
25672	Macfarlane &	Foundry	fd	8	The Square		The Square	Perthshire &	goo
89	Macfarlane &	Foundry	fd	20	Rutherglen		Park	Rutherglen	goo
538	Macfarlane &	Foundry	fd	20	Calcutta		Chowringhee	Calcutta	not
519	Macfarlane &	Foundry	fd	8	drinking		Street /	& Bute	lost
25669	Macfarlane &	Foundry	fd	21	Anderson		Park	Northern	goo
26704	Macfarlane &	Foundry	fd	8	fountain		Road	Ayrshire	exc
530	Macfarlane &	Foundry	fd	20	drinking		Arboretum ?	Lincolnshire	lost
92	Macfarlane &	Foundry	fd	21	Hackworth		Park	Durham	goo
26691	Macfarlane &	Foundry	fd		Stromness		Harbour	Orkney	goo
48	Macfarlane &	Foundry	fd	8	drinking	B	(A9)	Sutherland	poo
28157	Macfarlane &	Foundry	fd	20	Willenhall		Memorial	Willenhall	goo
									goo

Scottish Architectural Ironwork
by Manufacturer

25885	Macfarlane &	Foundry	fd		Square		Gray Square	Ireland	lost
26059	Macfarlane &	Foundry	fd	27	(Aus) Adye		High Street	Tasmania	exc
26258	Macfarlane &	Foundry	fd		Seafield		Seafield	Inverclyde	goo
26406	Macfarlane &	Foundry	fd	19	Hedgemead		Park	North East	stat
120	Macfarlane &	Foundry	fd	18	drinking		Hill West at	Bristol	goo
39	Macfarlane &	Foundry	fd	8	Furness		nr station	Furness	poo
334	Macfarlane &	Foundry	fd	18	Dowanhill		Park	Glasgow	fair
145	Macfarlane &	Foundry	fd	21	Hayes Island		Hayes Island	Wales	lost
121	Macfarlane &	Foundry	fd	21	Victoria Park	2	Victoria Park	Wales	goo
26494	Macfarlane &	Foundry	fd		Abbotshall	C	Road former	Fife	stat
339	Macfarlane &	Foundry	fd	19	Euston Park		Euston Park	Lancashire	at ri
28246	Macfarlane &	Foundry	fd	8	Roseau		Town Centre	Dominica	goo
335	Macfarlane &	Foundry	fd	7	Station		platform	Perthshire &	goo
28158	Macfarlane &	Foundry	fd	20	Hickman		Park	Midlands	lost
28912	Macfarlane &	Foundry	fd		drinking		Office	& Bute	stat
28373	Macfarlane &	Foundry	fd	20	Hawkhead		Cemetery	Renfrewshire	goo
126	Macfarlane &	Foundry	fd	8	Palmyra	1	Square	Cheshire	goo
313	Macfarlane &	Foundry	fd	18	promenade		promenade	Wirral	lost
26397	Macfarlane &	Foundry	fd	21	Vermont		The	Penang	lost
122	Macfarlane &	Foundry	fd	20	drinking	2	town nr Gilar	Wales	fair
337	Macfarlane &	Foundry	fd	17	Haven		Terrace	Haven	stat
28160	Macfarlane &	Foundry	fd	16	Grove Road		nr station	Wirral	at ri
26401	Macfarlane &	Foundry	fd	18	drinking		Ground	Suffolk	exc
26080	Macfarlane &	Foundry	fd	8	Darlinghurst		Darlinghurst	South Wales	goo
127	Macfarlane &	Foundry	fd	20	Bromwich	2	Princess	Bromwich	exc
28290	Macfarlane &	Foundry	fd	15	Eastwood		New	Glasgow	stat
26081	Macfarlane &	Foundry	fd	8	Rocks		Fort St	Sydney	lost
28947	Macfarlane &	Foundry	fd	15	drinking		Esplanade	of Wight	exc
25974	Macfarlane &	Foundry	fd	18	promenade		Promenade	Anne's	stat
26079	Macfarlane &	Foundry	fd	8	Macquarie		Square	South Wales	stat
146	Macfarlane &	Foundry	fd	21	Marlborough		Road nr St	Wales	lost
25927	Macfarlane &	Foundry	fd	7	drinking		Square	Angus	lost
									stat

Scottish Architectural Ironwork
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26071	Macfarlane &	Foundry	fd	31	(Aus)		House (NT)	Tasmania	goo
134	Macfarlane &	Foundry	fd	8	drinking		Park	New South	goo
148	Macfarlane &	Foundry	fd	21	Llandaff		Fields	Wales	lost
341	Macfarlane &	Foundry	fd	16	Cale Station		Railway	Scottish	lost
26431	Macfarlane &	Foundry	fd		Main Street		Main Street	St Helena	lost
28271	Macfarlane &	Foundry	fd	50	Church		Street	Lancashire	lost
26542	Macfarlane &	Foundry	fd	5	drinking		churchyard	Bo'ness	stat
26538	Macfarlane &	Foundry	fd	5	station		Station	Somerset	exc
28239	Macfarlane &	Foundry	fd	21	Lahore		Anarkali	Pakistan	lost
26413	Macfarlane &	Foundry	fd	8	Market Place		Market Place	Oxfordshire	goo
141	Macfarlane &	Foundry	fd	21	Mount'		'The Mount'	Monmouthshi	mis
131	Macfarlane &	Foundry	fd		Cwmdonkin		Park	Wales	goo
143	Macfarlane &	Foundry	fd	21	Kingsway		Kingsway	Wales	lost
144	Macfarlane &	Foundry	fd	21	Roath Park	2	Roath Park	Wales	lost
40	Macfarlane &	Foundry	fd	8	Astley Park		Astley Park	Lancashire	poo
336	Macfarlane &	Foundry	fo		Aberdare		Park	Rhondda	exc
25725	Macfarlane &	Foundry	fo		Elizabeth		Park	Port	exc
25914	Macfarlane &	Foundry	fo		Raffles Hotel		Beach Road	Singapore	exc
25738	Macfarlane &	Foundry	fo		Princess		Gardens	Devon	goo
25707	Macfarlane &	Foundry	fo		fountain		promenade?	Ireland	poo
25715	Macfarlane &	Foundry	fo	19	Court Street		Court Street	East Lothian	goo
393	Macfarlane &	Foundry	fo		Sammy		Gardens	Pretoria	goo
314	Macfarlane &	Foundry	fo	121	Ward		Jackson Park	Durham	exc
26803	Macfarlane &	Foundry	fo	119	fountain		Park	Caithness	stat
344	Macfarlane &	Foundry	fo	123	fountain		Public Park	Angus	stat
27020	Macfarlane &	Glasgow	fo		bandstand		Vivary Park	Somerset	goo
28247	Macfarlane &	Foundry	fo	119	Winchester		Mansions	Cape Town	exc
26394	Macfarlane &	Foundry	fo	37	Club fountain		Club off	Penang	goo
26600	Macfarlane &	Foundry	fo		Ropner Park		Ropner Park	Durham	goo
25973	Macfarlane &	Foundry	fo		promenade		gardens	Anne's	stat
26804	Macfarlane &	Foundry	fo	63	fountain lion		Park	Caithness	goo
28163	Macfarlane &	Foundry	fo	121	Halifax Public		Gardens	Scotia	goo
									goo

Scottish Architectural Ironwork
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26398	Macfarlane &	Foundry	fo		Grand Hotel		Fir Vale	Dorset	lost
26537	Macfarlane &	Foundry	fo	121	Vivary Park		Vivary Park	Somerset	goo
26867	Macfarlane &	Foundry	ga	189	Douglas		A713	Douglas	goo
25817	Macfarlane &	Foundry	ga	745	North		Terrace	South	goo
26732	Macfarlane &	Foundry	ga	809	estate gates		Galashiels	Galashiels	goo
26887	Macfarlane &	Foundry	ga		Tongland		Road A711	Dumfries &	exc
26675	Macfarlane &	Foundry	ga		Cemetery		Road	Aberdeenshir	exc
26676	Macfarlane &	Foundry	ga		Kenmore		Road	Perthshire &	goo
26886	Macfarlane &	Foundry	ga		Tongland		Road A711	Dumfries &	exc
26677	Macfarlane &	Foundry	ga		Kenmore		Road	Perthshire &	goo
322	Macfarlane &	Foundry	ga		Maudslie		Castle lodge	South	lost
26419	Macfarlane &	Foundry	ga		Milton		Milton Road	Hampshire	goo
26082	Macfarlane &	Foundry	ga	845	Rose Bay		gardens	South Wales	exc
26420	Macfarlane &	Foundry	ga		Milton		Milton Road	Hampshire	goo
26718	Macfarlane &	Foundry	ga	207	Scott Park		Scott Street	Scottish	goo
26721	Macfarlane &	Foundry	ga	464	Bannerfield		House	Scottish	exc
26860	Macfarlane &	Foundry	ga	946	Douglas		A745	Douglas	goo
28090	Macfarlane &	Foundry	ga	145	Goathill Road		Goathill Road	Lewis	goo
26859	Macfarlane &	Foundry	ga	80	Douglas		Road	Douglas	stat
26858	Macfarlane &	Foundry	ga	214	Douglas		Road	Douglas	goo
28607	Macfarlane &	Foundry	ga	43	Cameron		Mausoleum	Ballachulish	stat
26880	Macfarlane &	Foundry	ga	126	St Mary		Street ex	Dumfries &	stat
27916	Macfarlane &	Foundry	ga	840	James Street		James Street	Lewis	goo
28576	Macfarlane &	Foundry	ga	63	House gates		House	Douglas	stat
26686	Macfarlane &	Foundry	ga		Kenmore		Road	Perthshire &	stat
26088	Macfarlane &	Foundry	ga	739 & 1054	gates		A814	Argyll & Bute	exc
316	Macfarlane &	Foundry	ga		Mendoza		Martin Park	Mendoza	exc
27626	Macfarlane &	Foundry	ga	946	gate 1		Main Street	Dumfries &	stat
27140	Macfarlane &	Foundry	ga	189	Carrock		Church	Carrock	exc
26909	Macfarlane &	Foundry	ga	946	gates 5		Road	Dumfries &	goo
26684	Macfarlane &	Foundry	ga		Taybridge		Terrace	Perthshire &	stat
26895	Macfarlane &	Foundry	ga	741	St Mary		Street	Dumfries &	stat
									goo

Scottish Architectural Ironwork
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27917	Macfarlane &	Foundry	ga	946	James Street		James Street	Lewis	goo
321	Macfarlane &	Foundry	ga	801	lodge gates		North Lodge	Perthshire &	stat
317	Macfarlane &	Foundry	ga		Milton		Milton Road	Hampshire	fair
26681	Macfarlane &	Foundry	ga		Taybridge		Road	Perthshire &	stat
26680	Macfarlane &	Foundry	ga		Taybridge		Road	Perthshire &	goo
27915	Macfarlane &	Foundry	ga		James Street		James Street	Lewis	goo
318	Macfarlane &	Foundry	ga		Brunswick		Park	Sandwell	lost
28097	Macfarlane &	Foundry	ga	830	Goathill Road		/ Leverhulme	Lewis	goo
320	Macfarlane &	Foundry	ga		Tomnahurich		Cemetery	Highland	goo
26878	Macfarlane &	Foundry	ga	840	St Mary		Street Parish	Dumfries &	goo
26679	Macfarlane &	Foundry	ga		Crieff Road		Crieff Road	Perthshire &	stat
26893	Macfarlane &	Foundry	ga	946	St Mary		Street	Dumfries &	exc
26889	Macfarlane &	Foundry	ga		Tongland		Road A711	Dumfries &	exc
27928	Macfarlane &	Foundry	ga	189	Francis		Street	Lewis	goo
27867	Macfarlane &	Foundry	ga	145	gates 06		Street	Dumfries &	goo
26536	Macfarlane &	Foundry	ga	461	Vivary Park		Vivary Park	Somerset	exc
27614	Macfarlane &	Foundry	ga		gate 1		West Terrace	Wester Ross	goo
27272	Macfarlane &	Foundry	ga		Craiglockhart		University	Edinburgh	at ri
25791	Macfarlane &	Foundry	ga	900	gates		Residence	Brazil Belem	goo
27865	Macfarlane &	Foundry	ga	973	gates 04		Lewis Street	Dumfries &	exc
521	Macfarlane &	Foundry	ga		Church gate		Episcopal	Aberdeenshir	goo
26130	Macfarlane &	Foundry	ga		Union		Terrace	Aberdeen	exc
26145	Macfarlane &	Foundry	ga	306	Sturrock gate		Church Path	Angus	exc
27966	Macfarlane &	Foundry	ga		Matheson		Road	Lewis	exc
28121	Macfarlane &	Foundry	ga	758	Manaus		Vicinal	Amazonas	exc
26128	Macfarlane &	Foundry	ga	1127	Union		Terrace	Aberdeen	exc
26784	Macfarlane &	Foundry	ga	145	Wick gate 01		Thurso Road	Caithness	goo
28797	Macfarlane &	Foundry	ga	1013	Marsh		Park	Marsh	goo
28120	Macfarlane &	Foundry	ga	461	Manaus		Municipal R	Amazonas	goo
25788	Macfarlane &	Foundry	ga	739	Manaus		Cemetery Av	Amazonas	goo
27979	Macfarlane &	Foundry	ga	946	Matheson		Road	Lewis	exc
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Scottish Architectural Ironwork
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26168	Macfarlane &	Foundry	ga	840	Kilmun gate		shoreside	Argyll & Bute	exc
26186	Macfarlane &	Foundry	ga	457	Church gate		of Scotland	Highland	exc
27982	Macfarlane &	Foundry	ga		Matheson		Road	Lewis	goo
25805	Macfarlane &	Foundry	ga		Government		House	Cape Town	goo
27280	Macfarlane &	Foundry	ga		Polwarth		Terrace	Edinburgh	goo
25806	Macfarlane &	Foundry	ga	gate 189	gate 2		Victoria St	Cape Town	goo
28236	Macfarlane &	Foundry	ga	1151	Williamstown		Gardens	Victoria	exc
28465	Macfarlane &	Foundry	ga	946	Road gates &		Pier Road	Argyll & Bute	goo
27993	Macfarlane &	Foundry	ga	946	Town of		Main Street	Town	goo
27972	Macfarlane &	Foundry	ga		Matheson		Road	sunder	exc
25781	Macfarlane &	Foundry	ga	pillar 1054	King's Cross		Road King's	Dundee	goo
28028	Macfarlane &	Foundry	ga		gates 22		Stair Drive	Dumfries &	goo
27981	Macfarlane &	Foundry	ga	743	Matheson		Road	Lewis	goo
26017	Macfarlane &	Foundry	ga		Victoria Park		Drive N	Glasgow	stat
27898	Macfarlane &	Foundry	ga	474	gates		Bridge Street	Scottish	goo
27939	Macfarlane &	Foundry	ga	946	Lewis Street		Lewis Street	Lewis	goo
27940	Macfarlane &	Foundry	ga	743	Lewis Street		Lewis Street	Lewis	goo
26849	Macfarlane &	Foundry	ga	946	Douglas		Road A713	Douglas	goo
28531	Macfarlane &	Foundry	ga	973	gate		Ecumenical	Garve	goo
28088	Macfarlane &	Foundry	ga	946	Goathill Road		Goathill Road	Lewis	exc
27943	Macfarlane &	Foundry	ga		Matheson		Road	Lewis	goo
27949	Macfarlane &	Foundry	ga	189	Matheson		Road	Lewis	exc
26635	Macfarlane &	Foundry	ga		Auckland		Street	New Zealand	lost
25892	Macfarlane &	Foundry	ga	461	Ettrick		Terrace	Scottish	goo
323	Macfarlane &	Foundry	ga		Milton		Lockhart	South	goo
28162	Macfarlane &	Foundry	ga	801	Halifax Public		Gardens	Scotia	exc
27678	Macfarlane &	Foundry	ga	743	gates 2		Church	Dumfries &	goo
26344	Macfarlane &	Foundry	ga		gates		Lurgan Park	Northern	exc
26970	Macfarlane &	Foundry	ga	145	gates 1		A95	Moray	goo
28118	Macfarlane &	Foundry	ga		Manaus		Cemetery Av	Amazonas	goo
26331	Macfarlane &	Foundry	ga		Methodist		Church	Derbyshire	goo
									exc

Scottish Architectural Ironwork
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26237	Macfarlane &	Foundry	ga	145	grave railing		Cemetery	Highland	stat
27956	Macfarlane &	Foundry	ga		Matheson		Road	Lewis	goo
28891	Macfarlane &	Foundry	ga	457	gates		Tarbert Road	Argyll & Bute	goo
26019	Macfarlane &	Foundry	ga	739	Victoria Park		Drive N	Glasgow	goo
27954	Macfarlane &	Foundry	ga	946	Matheson		Road	Lewis	exc
372	Macfarlane &	Foundry	ga	464	Cemetery	B	Leven	West	poo
27372	Macfarlane &	Foundry	ga	461	Eastern		Cemetery	Edinburgh	exc
26018	Macfarlane &	Foundry	ga	739	Victoria Park		Drive N	Glasgow	poo
27752	Macfarlane &	Foundry	ga	784 & 704	church gates		former St	Caithness	at ri
26441	Macfarlane &	Foundry	gl		Hesketh Park		Hesketh Park	Lancashire	exc
281	Macfarlane &	Foundry	gl		Kelvinside		Kelvinside	Glasgow	lost
283	Macfarlane &	Foundry	gl		conservatory		Castle	Kilmarnock	not
282	Macfarlane &	Foundry	gl		palmhouse		Milner Field	Bradford	lost
27807	Macfarlane &	Foundry	gr	464	grave railing		Parish	Dumfries &	stat
27720	Macfarlane &	Foundry	gr	207	railing 3		South Road	Caithness	stat
26238	Macfarlane &	Foundry	gr	1148	grave railing		Cemetery	Highland	stat
27721	Macfarlane &	Foundry	gr	165	railing 4		South Road	Caithness	stat
26284	Macfarlane &	Foundry	gr		Kilmallie		Cemetery	Highland	goo
28004	Macfarlane &	Foundry	gr	1110	Glencairn		Parish	Dumfries &	stat
28538	Macfarlane &	Foundry	gr	774	grave railing		Burial	Perthshire &	stat
27083	Macfarlane &	Foundry	gr	33	grave marker		Necropolis	Dundee	stat
27082	Macfarlane &	Foundry	gr	1011	grave marker		Necropolis	Dundee	goo
28710	Macfarlane &	Foundry	la		Princes		Terrace	Glasgow	goo
26010	Macfarlane &	Foundry	la	32	Kelvinside		Academy	Glasgow	goo
26122	Macfarlane &	Foundry	la		Union Bridge		Union Bridge	Aberdeen	goo
26123	Macfarlane &	Foundry	la	32	Skene Street		Skene Street	Aberdeen	stat
27478	Macfarlane &	Foundry	la	10	Sandbank		Rankine's	Argyll & Bute	exc
26004	Macfarlane &	Foundry	la		Westbourne		Gardens W	Glasgow	goo
26001	Macfarlane &	Foundry	la	6	Clevedon		Crescent	Glasgow	exc
26268	Macfarlane &	Foundry	la		'provost'		?	Inverclyde	goo
27067	Macfarlane &	Foundry	la		'Provost'		/ Bogsbank	Scottish	goo
									exc

Scottish Architectural Ironwork
by Manufacturer

25784	Macfarlane &	Foundry	la		Broughty		Crescent	Broughty	goo
27019	Macfarlane &	Foundry	la	12	Vivary Park		Vivary Park	Somerset	exc
26104	Macfarlane &	Foundry	la		Kennington		Road	London	stat
27114	Macfarlane &	Foundry	la		Lady Stair's		Close	Edinburgh	goo
26096	Macfarlane &	Foundry	la	5	Strand lamp /		Temple Bar	London	exc
26944	Macfarlane &	Foundry	la		bracket lamp		High Street	Powys	goo
37	Macfarlane &	Foundry	la	23	Ninian's		Street nr	Stirling	goo
27451	Macfarlane &	Foundry	la	56	lamp pillar 3		Terrace	Angus	exc
28690	Macfarlane &	Foundry	la		Lynedoch		Street	Glasgow	goo
27803	Macfarlane &	Foundry	la	12	Fleet lamp		Street	Fleet	goo
26121	Macfarlane &	Foundry	la		Union		Terrace	Aberdeen	stat
26103	Macfarlane &	Foundry	la		Victoria		Embankment	London	stat
26099	Macfarlane &	Foundry	la		Holborn vent		Holborn	London	goo
26106	Macfarlane &	Foundry	la	5	Holborn lamp		Grays Inn	London	lost
26067	Macfarlane &	Foundry	la	64	Rothesay		Rothesay	Edinburgh	goo
26107	Macfarlane &	Foundry	la	22	Southwark		Street	London	lost
26115	Macfarlane &	Foundry	la		Admiralty		Guards Road	London	goo
26116	Macfarlane &	Foundry	la		Richmond		Lock	Richmond	goo
27450	Macfarlane &	Foundry	la	23	lamp pillar 2		& Library	Angus	exc
26119	Macfarlane &	Foundry	la	32	Central		Library	Aberdeen	exc
26948	Macfarlane &	Foundry	la	6	Bridge lamp		Union Bridge	Keith Moray	stat
27214	Macfarlane &	Foundry	la	35	Leith lamp		Tower Place	Leith	exc
27549	Macfarlane &	Foundry	la		station lamp		railway	Scottish	stat
25801	Macfarlane &	Foundry	la		lamp pillar		Avenue	Cape Town	goo
26330	Macfarlane &	Foundry	la		Methodist		Church	Derbyshire	exc
26414	Macfarlane &	Foundry	la	62	Royal Hotel		Esplanade	West Sussex	goo
47	Macfarlane &	Foundry	la	6	Allan		Allan	Allan Stirling	poo
25860	Macfarlane &	Foundry	la	62	Partick		Bridge	Glasgow	goo
27574	Macfarlane &	Foundry	la	62	Institute lamp		centre of	Caithness	exc
25752	Macfarlane &	Foundry	la		Aston Cross		Lichfield	Birmingham	exc
26532	Macfarlane &	Foundry	la		Abbey Bridge		Abbey Bridge	Renfrewshire	goo
									stat

Scottish Architectural Ironwork
by Manufacturer

27541	Macfarlane &	Foundry	la		Tooting lamp		at Tooting	Tooting	goo
552	Macfarlane &	Foundry	la		promenade		Promenade	East Sussex	goo
25756	Macfarlane &	Foundry	la	63	Stirling		Gardens	Western	goo
26630	Macfarlane &	Foundry	la		Cross lamp /		New Cross	Cross	exc
27262	Macfarlane &	Foundry	la		Leith		Andrew's	Leith	goo
25701	Macfarlane &	Foundry	la		Dawson		Street	Ireland	exc
25886	Macfarlane &	Foundry	la		The Leas		bandstand)	Kent	goo
25795	Macfarlane &	Foundry	la		lamp pillars		not identified	Brazil Belem	goo
26465	Macfarlane &	Foundry	la		Town Hall		Church	South	goo
27287	Macfarlane &	Foundry	la	63	bridge lamp		Teith bridge	Stirlingshire	stat
25891	Macfarlane &	Foundry	la	91	Viewfield		Lane	Scottish	goo
26462	Macfarlane &	Foundry	la	75	lamp bracket		A636 east	Holmfirth	goo
28813	Macfarlane &	Foundry	la		bracket lamp		Church	Lanarkshire	exc
28532	Macfarlane &	Foundry	la	30	pillars		Village centre	Perthshire &	goo
26706	Macfarlane &	Foundry	la	30	lamp pillars 2		Church & the	Scottish	goo
28535	Macfarlane &	Foundry	la	35	pillar 1		Burnside	Clackmanna	goo
374	Macfarlane &	Foundry	la	10	'provost'	C	High Street	Perthshire &	goo
28879	Macfarlane &	Foundry	la		Plymouth		Moulsham	Essex	exc
25853	Macfarlane &	Foundry	la	30	'provost'		Museum	West	goo
28288	Macfarlane &	Foundry	la		Bridge 3		Medway	Kent	exc
25878	Macfarlane &	Foundry	la	1	Popinjay		Hotel Lanark	South	goo
28512	Macfarlane &	Foundry	la		Belgrave		Terrace	Glasgow	exc
43	Macfarlane &	Foundry	la	60	War		Memorial	Stirling	stat
27888	Macfarlane &	Foundry	la		pillar 1		Memorial	Scottish	goo
26589	Macfarlane &	Foundry	la		Mitchell		Library	Glasgow	exc
26362	Macfarlane &	Foundry	la	63	Infirmary		Brae /	Dundee	stat
26752	Macfarlane &	Foundry	la		Rutherglen		Church	Rutherglen	exc
26606	Macfarlane &	Foundry	la	32	(formerly		High Street	Gwynedd	goo
26759	Macfarlane &	Foundry	la	52	lamp pillars		Garage Ltd	Bexley Kent	goo
26604	Macfarlane &	Foundry	la		IOM lamp		walls	of Man	exc
26512	Macfarlane &	Foundry	la	20	Cross lamp /	2	Gate	Cross	goo
									goo

Scottish Architectural Ironwork
by Manufacturer

25835	Macfarlane &	Foundry	la	73	Street lamp		Bank Street	Dumfries &	stat
26339	Macfarlane &	Foundry	la		Hall lamp		Main Gates	Northern	goo
26577	Macfarlane &	Foundry	la	32	pillar		not identified	Keith Moray	lost
26338	Macfarlane &	Foundry	la	73	Shaftesbury		Square	Northern	goo
28916	Macfarlane &	Foundry	la	14	lamp bracket		Road	West	stat
28289	Macfarlane &	Foundry	la		Bridge 4		Medway	Kent	exc
28321	Macfarlane &	Foundry	la	14	'Caw's' lamp		Panmure	Dundee	goo
25977	Macfarlane &	Foundry	la		Esplanade		Esplanade	of Glamorgan	stat
342	Macfarlane &	Foundry	la		lamp pillars 1		Bridge	Scottish	goo
26387	Macfarlane &	Foundry	la		Pinang		Street	Penang	goo
25863	Macfarlane &	Foundry	la		Portland		Portland	Glasgow	goo
28342	Macfarlane &	Foundry	la		Hoe lamp		Promenade	Devon	exc
26713	Macfarlane &	Foundry	la		parapet		Bridge A72	Scottish	lost
26747	Macfarlane &	Foundry	la		Station		Station Road	East Lothian	stat
28017	Macfarlane &	Foundry	la	63	Sheriff Court		Lewis Street	Dumfries &	exc
25935	Macfarlane &	Foundry	la		'provost'		Council	& Kinross	exc
25979	Macfarlane &	Foundry	la	59	Great	A	Western	Glasgow	at ri
25980	Macfarlane &	Foundry	la		Western		Infirmary	Glasgow	stat
25986	Macfarlane &	Foundry	la		Abbey Bridge		Abbey Bridge	Renfrewshire	goo
28462	Macfarlane &	Foundry	la		Hotel bracket		Hotel (new	Argyll & Bute	goo
26364	Macfarlane &	Foundry	la		Infirmary		Brae /	Dundee	stat
25824	Macfarlane &	Foundry	la	14	lamp bracket		east end	West Lothian	stat
28500	Macfarlane &	Foundry	ot		Kenton		Heritage	Cumbria &	stat
26607	Macfarlane &	Foundry	ot	427	Auckland		North Shore	New Zealand	exc
25859	Macfarlane &	Foundry	ot		of arms		House now in	Cornwall	exc
25757	Macfarlane &	Foundry	ot		Tay Blyth		Blyth Hall	Tay Fife	exc
398	Macfarlane &	Foundry	ot		Daik flag		Offices	Daik	not
28127	Macfarlane &	Foundry	ot		Manaus		Municipal R	Amazonas	goo
28115	Macfarlane &	Foundry	ot		Francis		Street	Lewis	stat
27461	Macfarlane &	Foundry	ot		Royal Arms		Street	Aberdeenshir	exc
25836	Macfarlane &	Foundry	ot	1	The Fleshers		Street	Dumfries &	goo
									stat

Scottish Architectural Ironwork
by Manufacturer

27513	Macfarlane &	Foundry	ot		Royal		Road Royal	Argyll & Bute	goo
25732	Macfarlane &	Foundry	ot		of arms		Museum	Cornwall	goo
25919	Macfarlane &	Foundry	ot		Elizabeth		Park	Port	exc
569	Macfarlane &	Foundry	ot		ornamental		Street	Argyll & Bute	
28450	Macfarlane &	Foundry	ot		station		Station Mid-	Suffolk	lost
25799	Macfarlane &	Foundry	ot		Museum		Museum	Kimberley	goo
25920	Macfarlane &	Foundry	ot		Elizabeth		Park	Port	exc
137	Macfarlane &	Foundry	ot	427	Plas Newydd		Plas Newydd	Denbighshire	exc
25917	Macfarlane &	Foundry	ot		station	2	Station	North	goo
25794	Macfarlane &	Foundry	ot		Fortaleza		not identified	Fortaleza	stat
26147	Macfarlane &	Foundry	ot	57	Museum		Museum	Angus	goo
27283	Macfarlane &	Foundry	ra		Polwarth		Terrace /	Edinburgh	exc
28830	Macfarlane &	Foundry	ra	36	porch roof		Terrace	West	stat
27429	Macfarlane &	Foundry	ra	124	Saltoun Arms		Square	Aberdeenshir	stat
27624	Macfarlane &	Foundry	ra	1104	railing 1		Main Street	Dumfries &	goo
27611	Macfarlane &	Foundry	ra	264	Cromwell		Street	Lewis	goo
27607	Macfarlane &	Foundry	ra	798	railing 1		West Terrace	Wester Ross	goo
27373	Macfarlane &	Foundry	ra	1063	Eastern		Cemetery	Edinburgh	goo
28769	Macfarlane &	Foundry	ra	44	Museum roof		Terrace	Lancashire	exc
27606	Macfarlane &	Foundry	ra	925	railing		A 882	Caithness	stat
28768	Macfarlane &	Foundry	ra	209	The Mount		Hotel	Lancashire	goo
27145	Macfarlane &	Foundry	ra	63	roof terminal		Road	Midlothian	goo
27441	Macfarlane &	Foundry	ra		Cemetery		Road	Aberdeenshir	exc
27326	Macfarlane &	Foundry	ra	163	Craigmillar		Park	Edinburgh	goo
28814	Macfarlane &	Foundry	ra		grave railing		Cemetery	County	goo
27142	Macfarlane &	Foundry	ra		railing 2		Road	Midlothian	goo
27271	Macfarlane &	Foundry	ra	63	Craiglockhart		University	Edinburgh	stat
27134	Macfarlane &	Foundry	ra	208	Malvern		Theatres	Malvern	goo
27437	Macfarlane &	Foundry	ra	1429	railings 6		Street	Aberdeenshir	goo
27643	Macfarlane &	Foundry	ra	139	West End		Hotel	Highland	stat
27647	Macfarlane &	Foundry	ra		railing 8		Church High	Highland	goo
									exc

Scottish Architectural Ironwork
by Manufacturer

375	Macfarlane &	Foundry	ra	1023	Kings Cross	B	Road King's	Dundee	goo
27252	Macfarlane &	Foundry	ra	1007	Leith Ferry		Leith	Edinburgh	goo
27144	Macfarlane &	Foundry	ra	107	roof terminal		Road	Midlothian	goo
28885	Macfarlane &	Foundry	ra	83	Argyle Street		Argyle Street	Argyll & Bute	goo
26134	Macfarlane &	Foundry	ra	957	Central		Library	Aberdeen	goo
28499	Macfarlane &	Foundry	ra	41	railing		Ave /	Renfrewshire	goo
27964	Macfarlane &	Foundry	ra		Matheson		Road / Rose	Lewis	goo
28959	Macfarlane &	Foundry	ra	457	Cemetery		Cemetery	& Bute	goo
27968	Macfarlane &	Foundry	ra	1089	Matheson		Road	Lewis	goo
27969	Macfarlane &	Foundry	ra	1031	Matheson		Road	Lewis	exc
26673	Macfarlane &	Foundry	ra	213	Matheson		Road	Lewis	goo
25804	Macfarlane &	Foundry	ra		railing 2		Victoria St	Cape Town	goo
27957	Macfarlane &	Foundry	ra		Matheson		Road	Lewis	goo
27974	Macfarlane &	Foundry	ra		Matheson		Road	Lewis	stat
27986	Macfarlane &	Foundry	ra	28	Matheson		Road	Lewis	goo
27992	Macfarlane &	Foundry	ra	1143	Town of		Main Street	Town	goo
28444	Macfarlane &	Foundry	ra	1875	County		Buildings	Shetland	goo
28038	Macfarlane &	Foundry	ra		railings 27		Stair Drive	Dumfries &	exc
28434	Macfarlane &	Foundry	ra	40 & 743	Hillhead		Hillhead	Shetland	goo
28431	Macfarlane &	Foundry	ra	1126 1908	Hillhead		Hillhead	Shetland	exc
25803	Macfarlane &	Foundry	ra		railing 1		House	Cape Town	exc
27944	Macfarlane &	Foundry	ra		Matheson		Road	Lewis	goo
26672	Macfarlane &	Foundry	ra	895	Goathill Road		Goathill Road	Lewis	goo
26671	Macfarlane &	Foundry	ra	1139	Goathill Road		/ Matheson	Lewis	exc
27933	Macfarlane &	Foundry	ra	1087	Lewis Street		Lewis Street	Lewis	goo
26668	Macfarlane &	Foundry	ra	1126	Francis		Street	Lewis	goo
26667	Macfarlane &	Foundry	ra		Goathill Road		Goathill Road	Lewis	goo
27934	Macfarlane &	Foundry	ra	213	Lewis Street		Lewis Street	Lewis	goo
27935	Macfarlane &	Foundry	ra	145	Lewis Street		Lewis Street	Lewis	goo
28502	Macfarlane &	Foundry	ra	50	Royal		ex Royal	Devon	exc
									exc

Scottish Architectural Ironwork
by Manufacturer

27967	Macfarlane &	Foundry	ra	1031	Matheson		Road	Lewis	exc
153	Macfarlane &	Foundry	ra	421	St George's		Crescent	Conwy	lost
28507	Macfarlane &	Foundry	ra	191	Church Road		Church Road	Devon	exc
28505	Macfarlane &	Foundry	ra	184	Wilder Road		Wilder Road	Devon	goo
26464	Macfarlane &	Foundry	ra		Town Hall		Church	South	exc
26662	Macfarlane &	Foundry	ra	213	Lewis Street		Lewis Street	Lewis	goo
26361	Macfarlane &	Foundry	ra		Infirmary		Brae /	Dundee	goo
28048	Macfarlane &	Foundry	ra	916	roof railing 4		Sun Street	Dumfries &	goo
26388	Macfarlane &	Foundry	ra		Pinang		Street	Penang	exc
28111	Macfarlane &	Foundry	ra	92	Cromwell		Street (Ceol)	Lewis	goo
28350	Macfarlane &	Foundry	ra	145	railing		Street	Caithness	goo
28347	Macfarlane &	Foundry	ra	1104	balcony		Atlantic Way	Devon	stat
28344	Macfarlane &	Foundry	ra	958	Grand		Parade	Devon	exc
26380	Macfarlane &	Foundry	ra		Konsenih		Media &	Penang	goo
26074	Macfarlane &	Foundry	ra	28	railings 2		Museum	Tasmania	exc
26365	Macfarlane &	Foundry	ra	1058	Cheong Fatt		Leith Street	Penang	exc
26077	Macfarlane &	Foundry	ra	1054	railings 3		Museum	Tasmania	goo
28914	Macfarlane &	Foundry	ra	1089	roof railing 1		Main Street	West	exc
28119	Macfarlane &	Foundry	ra	1023	Manaus		Cemetery Av	Amazonas	goo
28294	Macfarlane &	Foundry	ra		railing 5		/ Alexandra	Fife	goo
28283	Macfarlane &	Foundry	ra	278	shopfront		Street	Cambridge	stat
28281	Macfarlane &	Foundry	ra	104	Valencia		Cemetario	Valencia	unk
28279	Macfarlane &	Foundry	ra	1291	n balcony		Hotel	n South	exc
28278	Macfarlane &	Foundry	ra	1352	n railings		Hotel	n South	exc
26066	Macfarlane &	Foundry	ra	1063	railing &		Street, East	Victoria	exc
28391	Macfarlane &	Foundry	ra	864 & 946	Harald Street		Street	Shetland	goo
27953	Macfarlane &	Foundry	ra	864	Matheson		Road	Lewis	exc
25894	Macfarlane &	Foundry	ra	81	Ettrick		Terrace	Scottish	goo
28085	Macfarlane &	Foundry	ra	1089	Goathill Road		Goathill Road	Lewis	exc
28086	Macfarlane &	Foundry	ra	1139	Goathill Road		Goathill Road	Lewis	exc
									goo

Scottish Architectural Ironwork
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26412	Macfarlane &	Foundry	ra	1106	Park		Victoria Park	North East	exc
26466	Macfarlane &	Foundry	ra		College		Street	South	exc
28098	Macfarlane &	Foundry	ra	830	Goathill Road		/ Leverhulme	Lewis	exc
28387	Macfarlane &	Foundry	ra	920	Burgh Road		Burgh Road	Shetland	goo
28386	Macfarlane &	Foundry	ra	232	Burgh Road		Burgh Road	Shetland	goo
28385	Macfarlane &	Foundry	ra	40 & 743	Burgh Road		Burgh Road	Shetland	goo
28099	Macfarlane &	Foundry	ra	40	Goathill Road		Goathill Road	Lewis	goo
28134	Macfarlane &	Foundry	ra	1125	Bridgetown		Broad Street	Barbados	exc
28109	Macfarlane &	Foundry	ra	208	Cromwell		Street	Lewis	goo
25918	Macfarlane &	Foundry	ra	967	Connolly		Station	Ireland	goo
27751	Macfarlane &	Foundry	ra	784	church railing		former St	Caithness	at ri
26658	Macfarlane &	Foundry	ra	1125	Goathill Road		Goathill Road	Lewis	goo
26736	Macfarlane &	Foundry	ra	207	Scott Park		Scott Street	Scottish	goo
26856	Macfarlane &	Foundry	ra	1126	Douglas		Road	Douglas	goo
26851	Macfarlane &	Foundry	ra	1126	Douglas		Road A713	Douglas	goo
27675	Macfarlane &	Foundry	ra	40	railing 2		Church	Dumfries &	goo
27899	Macfarlane &	Foundry	ra	474	railings		Bridge Street	Scottish	goo
26984	Macfarlane &	Foundry	ra	1096	bandstand		Gardens	Dorset	exc
26825	Macfarlane &	Foundry	ra		balcony		Antiques	Conwy	stat
26917	Macfarlane &	Foundry	ra	163	roof edge		Memorial	Fife	exc
26903	Macfarlane &	Foundry	ra	40	St Mary		Street	Dumfries &	goo
28223	Macfarlane &	Foundry	ra		Veitch's roof		High Street	Scottish	goo
26731	Macfarlane &	Foundry	ra		estate railing		Galashiels	Galashiels	goo
26182	Macfarlane &	Foundry	ra	457	Church		of Scotland	Highland	exc
26864	Macfarlane &	Foundry	ra	1125	Douglas		A745	Douglas	goo
28692	Macfarlane &	Foundry	ra		Lancaster		Crescent	Glasgow	exc
26659	Macfarlane &	Foundry	ra	1139	Goathill		Crescent	Lewis	goo
26793	Macfarlane &	Foundry	ra	145	01		Thurso Road	Caithness	goo
27859	Macfarlane &	Foundry	ra	26	railings 19		London Road	Dumfries &	goo
27852	Macfarlane &	Foundry	ra	145	railings 11		Street	Dumfries &	goo
									exc

Scottish Architectural Ironwork
by Manufacturer

27839	Macfarlane &	Foundry	ra	34	Stewart roof		Queen Street	Stewart	poo
26656	Macfarlane &	Foundry	ra	28	Matheson		Road	Lewis	goo
26923	Macfarlane &	Foundry	ra	131	Bethesda		Chapel High	Pembrokeshi	goo
28863	Macfarlane &	Foundry	ra	26	Angus roof		Square	Angus	goo
26899	Macfarlane &	Foundry	ra	1176	St Mary		Street	Dumfries &	exc
26674	Macfarlane &	Foundry	ra	213	Matheson		Road	Lewis	goo
28562	Macfarlane &	Foundry	ra	302	Fort Matthew		Fort Matthew	West Indies	stat
28865	Macfarlane &	Foundry	ra		Angus		Town Hall	Angus	goo
27927	Macfarlane &	Foundry	ra		Francis		Museum	Lewis	exc
26869	Macfarlane &	Foundry	ra	470	Douglas		A713	Douglas	goo
28175	Macfarlane &	Foundry	ra	917	Bridgetown		Broad Street	Barbados	exc
26901	Macfarlane &	Foundry	ra	42	St Mary		Street	Dumfries &	goo
28673	Macfarlane &	Foundry	ra		Kent Road		Kent Road	Glasgow	goo
546	Macfarlane &	Foundry	ra	464	Magdalene		ramps,	Dundee	at ri
27913	Macfarlane &	Foundry	ra	213	James Street		James Street	Lewis	goo
27912	Macfarlane &	Foundry	ra	830	James Street		/ Keith Street	Lewis	goo
26863	Macfarlane &	Foundry	ra	1126	Douglas		A745	Douglas	goo
26716	Macfarlane &	Foundry	ra	40	Parish		High Street	Scottish	goo
26969	Macfarlane &	Foundry	ra	145	railings		A95	Moray	goo
26148	Macfarlane &	Foundry	ra	384 / 689	Baltic Street		Baltic Street	Angus	exc
26897	Macfarlane &	Foundry	ra	743	St Mary		Street	Dumfries &	goo
26891	Macfarlane &	Foundry	ra	145	Tongland		Road A711	Dumfries &	exc
26890	Macfarlane &	Foundry	ra		Tongland		Road A711	Dumfries &	goo
26911	Macfarlane &	Foundry	ra	1022	railings 5		Road	Dumfries &	goo
25777	Macfarlane &	Foundry	ra		Quixada		Cedro dam	Quixada	exc
26180	Macfarlane &	Foundry	ra	207	Rosehaugh		w of Avoch	Highland	at ri
26881	Macfarlane &	Foundry	ra	317	St Mary		Street Parish	Dumfries &	goo
26719	Macfarlane &	Foundry	ra	26	Station Bar		Station Road	Scottish	stat
27018	Macfarlane &	Foundry	ra	1106	Spa		Gardens	Spa	goo
27016	Macfarlane &	Foundry	ra	1106	bandstand		Shore Road	Dorset	goo
	Macfarlane &								

Scottish Architectural Ironwork
by Manufacturer

28267	Macfarlane &	Foundry	sh		Museum		Museum	Durham	stat
276	Macfarlane &	Foundry	sh		tram shelter		Peel Street	Lancashire	lost
277	Macfarlane &	Foundry	sh		Eglinton tram		Eglinton Toll	Glasgow	lost
278	Macfarlane &	Foundry	sh		tram shelter		Corner	Sea Essex	lost
279	Macfarlane &	Foundry	sh		tram shelter		Colmore Row	Birmingham	lost
280	Macfarlane &	Foundry	sh		tram shelter		Parade /	Wirral	lost
273	Macfarlane &	Foundry	sh		bandstand		Pier	Sea Essex	lost
28273	Macfarlane &	Foundry	sh	10	urinals (lost)		elsewhere	Staffordshire	lost
25972	Macfarlane &	Foundry	sh		shelter		Promenade	Anne's	stat
286	Macfarlane &	Foundry	sh		station		Station	North	goo
27014	Macfarlane &	Foundry	sh		Avonview		Cemetery	Bristol	stat
274	Macfarlane &	Foundry	sh		Convalescent		Argyll Street	Argyll & Bute	lost
26353	Macfarlane &	Foundry	sh		Wells		adjacent to	Wells Powys	at ri
28846	Macfarlane &	Foundry	sh	227	summer		not disclosed	India (North)	stat
28312	Macfarlane &	Foundry	sh		Promenade		at Albany	Lancashire	goo
26334	Macfarlane &	Foundry	sh		NI urinal		ramp	Northern	lost
25744	Macfarlane &	Foundry	sh		super- Mare		promenade	super-Mare	goo
331	Macfarlane &	Foundry	sh		urinal	A	A72	Scottish	fair
26609	Macfarlane &	Foundry	sh		Valley		Gardens &	North	stat
25761	Macfarlane &	Foundry	sh		Cabbies'		Pier Head	Argyll & Bute	
257	Macfarlane &	Foundry	sh		(lost)		Alexandra	Wales	lost
414	Macfarlane &	Foundry	sh		Thorn Park		Thorn Park	Devon	stat
412	Macfarlane &	Foundry	sh		North	2	Church St	Wingfield	lost
27062	Macfarlane &	Foundry	sh	58	station		Birnam	Perthshire &	goo
410	Macfarlane &	Foundry	sh		urinal		Houghton	West	at ri
28261	Macfarlane &	Foundry	sh	158	Museum		Museum	Durham	exc
275	Macfarlane &	Foundry	sh		Alexandra		Park	Devon	not
408	Macfarlane &	Foundry	sh		Alexandra		Park	Greater	exc
25726	Macfarlane &	Foundry	sh		Hampden		Park	East Sussex	poo
548	Macfarlane &	Foundry	sh		station		Station	Aberdeenshir	goo
									at ri

Scottish Architectural Ironwork
by Manufacturer

27130	Macfarlane &	Foundry	sh		Bedminster		Bedminster	Bristol	unk
25930	Macfarlane &	Foundry	sh		columns		platforms	& Kinross	goo
26446	Macfarlane &	Foundry	sh		bicycle		city centre ?	Hereford &	exc
25735	Macfarlane &	Foundry	sh		Giles /		open air	Giles /	goo
26823	Macfarlane &	Foundry	sh		promenade		Parade	Gwynedd	stat
28553	Macfarlane &	Foundry	sh		Blackpool)		Hougham	Dover Kent	goo
26603	Macfarlane &	Foundry	sh		IOM station		Railway	of Man	exc
26822	Macfarlane &	Foundry	sh		promenade		Parade	Gwynedd	stat
26402	Macfarlane &	Foundry	sh		Gardens	2	Gardens	North East	at ri
117	Macfarlane &	Foundry	sh		Black Boy	2	Hill (top of)	Bristol	fair
25832	Macfarlane &	Foundry	sh	156	station		Station	Dumfries &	goo
25822	Macfarlane &	Foundry	sh		shelter (3 of		Promenade	Wirral	stat
26162	Macfarlane &	Foundry	sh		(ex Reading)		Tramway	Derbyshire /	exc
26160	Macfarlane &	Foundry	sh		shelter 3		Tramway	Derbyshire	goo
27543	Macfarlane &	Foundry	sh		urinal		centre	Shrewsbury	stat
26149	Macfarlane &	Foundry	st		Wollaton		Park	Nottingham	exc
26154	Macfarlane &	Foundry	st	2	bollards		Tramway	Derbyshire	exc
26097	Macfarlane &	Foundry	st	2	Strand		Temple Bar	London	stat
25760	Macfarlane &	Foundry	st		bollard		town centre	Northern	goo
513	Macfarlane &	Foundry	st		Holburn		Street	Aberdeen	exc
514	Macfarlane &	Foundry	st		Hutcheon		Street	Aberdeen	goo
28365	Macfarlane &	Foundry	st	2	Trent Bridge		Embankment	Nottingham	goo
26628	Macfarlane &	Foundry	st	1	Cross		Gate	Cross	goo
26351	Macfarlane &	Foundry	st		bollards		High Street	Hereford &	goo
25796	Macfarlane &	Foundry	st	824	bollards		Harbour	Simonstown	goo
27204	Macfarlane &	Foundry	la		Mohammad		Aly Barrages	20km north	not
26114	Macfarlane &	Foundry	gl		Horniman		Museum	London	exc
54	Macfarlane &	Foundry	fd	20	Laoghaire		Road (Town	Laoghaire	exc
36	Macfarlane &	Beaverbank	fd	21	Grange	2	Gardens	Wales	exc
152	Macfarlane &	Foundry	bc	42 53	balcony		Road	Gwynedd	goo
									exc

Scottish Architectural Ironwork
by Manufacturer

35	Macfarlane &	Foundry	ba		Princes St		Street	Edinburgh	lost
28819	Macfarlane &	Foundry	ba		Georgetown		Gardens	Guyana	goo
28821	Macfarlane &	Foundry	ba	279	of Spain		Square	Trinidad	goo
558	Macfarlane &	Foundry	ba		Park		West Park	Clackmanna	lost
27185	Macfarlane &	Foundry	ba		Bangalore		Cubben Park	Bangalore	stat
26230	Macfarlane &	Foundry	bc	81	balcony 1		Hotel	Highland	goo
497	Macfarlane &	Foundry	bc		Allan		Drive	Allan Stirling	goo
28203	Macfarlane &	Foundry	bc		Roseau		V Street	Dominica	exc
26063	Macfarlane &	Foundry	bc		Cricket Club		St Andrew's	Singapore	stat
26139	Macfarlane &	Foundry	bc	42	Duthie		nr Duthie	Aberdeen	goo
138	Macfarlane &	Foundry	bc	1007	North Road		North Road	Ceredigeon	lost
28324	Macfarlane &	Foundry	bl	610	'Sinatras'		King Street	Dundee	goo
28377	Macfarlane &	Foundry	bl		Wayfarers		Arcade Lord	Lancashire	exc
28378	Macfarlane &	Foundry	bl		Wayfarers		Arcade Lord	Lancashire	exc
27526	Macfarlane &	Foundry	bl	582	Ruskin		Terrace	Glasgow	goo
310	Macfarlane &	Foundry	bl		balustrade		Liverpool	Liverpool	not
28051	Macfarlane &	Foundry	bo	207	roof terminal		Street	Dumfries &	goo
26093	Macfarlane &	Foundry	bo	169	Harvey		Nichols	London	stat
28227	Macfarlane &	Foundry	bo		Green Tree		Hotel	Scottish	goo
28214	Macfarlane &	Foundry	bo	145	terminal 1		Greenside	Scottish	goo
28188	Macfarlane &	Foundry	bo		Museum		National	Grenada	stat
28187	Macfarlane &	Foundry	bo		Museum		National	Grenada	stat
28173	Macfarlane &	Foundry	bo	40	Bridgetown		Cathedral	Barbados	goo
28149	Macfarlane &	Foundry	bo		Main Street		Main Street	Midlothian	goo
28565	Macfarlane &	Foundry	bo	111	roof terminal		1 Glaisnock	East	goo
25833	Macfarlane &	Foundry	bo		Arms		Bank Street	Dumfries &	at ri
26219	Macfarlane &	Foundry	bo		Leys Drive		Leys Drive	Highland	goo
26378	Macfarlane &	Foundry	bo		Logan		Beach Street	Penang	stat
26588	Macfarlane &	Foundry	bo		terminal		Street	Falkirk	exc
26613	Macfarlane &	Foundry	bo		clocktower		Station	Lincolnshire	exc
									goo

Scottish Architectural Ironwork
by Manufacturer

27930	Macfarlane &	Foundry	bo	158	Memorial		Memorial	Lewis	exc
26885	Macfarlane &	Foundry	bo	5	St Mary		Street ex	Dumfries &	goo
26690	Macfarlane &	Foundry	bo		Taybridge		Road	Perthshire &	goo
25782	Macfarlane &	Foundry	bo		Dock Street		Dock St	Dundee	stat
27881	Macfarlane &	Foundry	bo	201	terminal		High Street	Scottish	goo
26765	Macfarlane &	Foundry	bo		Berwick		Street	Berwick East	goo
27860	Macfarlane &	Foundry	bo	214	roof terminal		Academy	Dumfries &	goo
27700	Macfarlane &	Foundry	bo	165	terminal 1		Street	Caithness	goo
26061	Macfarlane &	Foundry	br		Anderson		Bridge	Singapore	goo
28375	Macfarlane &	Foundry	bu		Wayfarers		Arcade Lord	Lancashire	exc
28302	Macfarlane &	Foundry	bu		shopfront 10		South Street	Fife	goo
28884	Macfarlane &	Foundry	bu	125	chapel		not identified	North Wales	exc
27558	Macfarlane &	Foundry	bu	39	Scottish		Bridge Street	Scottish	exc
27187	Macfarlane &	Foundry	bu	156	shopfront 03		Bell Street	Fife	goo
26475	Macfarlane &	Foundry	bu		Market Hall		Market Street	Yorkshire	exc
26370	Macfarlane &	Foundry	bu		Cheong Fatt		Leith Street	Penang	exc
26371	Macfarlane &	Foundry	bu		Cheong Fatt		Leith Street	Penang	exc
27559	Macfarlane &	Foundry	bu		High Street		High Street	Scottish	stat
28233	Macfarlane &	Foundry	ec		Tontine Hotel		High Street	Scottish	goo
26383	Macfarlane &	Foundry	ec		Meeting Hall		Street /	Penang	stat
26424	Macfarlane &	Foundry	ec		Monkey Club		Monkey Club	Penang	goo
371	Macfarlane &	Foundry	ec		verandah	C	Road	Perthshire &	stat
28153	Macfarlane &	Foundry	fd	27	trough &		Park	New South	goo
28117	Macfarlane &	Foundry	fd	13	Manaus		Matriz ?	Amazonas	lost
28795	Macfarlane &	Foundry	fd	305	canopy		Square ex	South	goo
25818	Macfarlane &	Foundry	fd	8	Portrush Rd		Road / High	South	goo
28244	Macfarlane &	Foundry	fd		drinking		Dalry Road	East Ayrshire	stat
135	Macfarlane &	Foundry	fd	7	drinking		Street	Victoria	not
26541	Macfarlane &	Foundry	fo		Melrose		House	South Africa	not
									exc

Scottish Architectural Ironwork
by Manufacturer

27631	Macfarlane &	Foundry	ga		2		Street	Highland	goo
27756	Macfarlane &	Foundry	ga		Tain gate 1		e Road	shire	goo
28931	Macfarlane &	Foundry	ga	809	n gates &		High Askomil	n Argyll &	fair
27638	Macfarlane &	Foundry	ga	809	cemetery		Town centre	Dumfries &	exc
27694	Macfarlane &	Foundry	ga		Rosebank		Playing	Caithness	goo
26953	Macfarlane &	Foundry	ga		gates		A862	Highland	stat
26009	Macfarlane &	Foundry	ga		Kelvinside		Academy	Glasgow	stat
27868	Macfarlane &	Foundry	ga	1101	gates 07		Street	Dumfries &	goo
27871	Macfarlane &	Foundry	ga	973	gates 10		Road	Dumfries &	goo
28007	Macfarlane &	Foundry	ga		Townhead of		Glencairn	Dumfries &	goo
26571	Macfarlane &	Foundry	ga		Eskbank gate		Melville Road	Midlothian	stat
27872	Macfarlane &	Foundry	ga		gates 11		London Road	Dumfries &	stat
26861	Macfarlane &	Foundry	ga	1097	Douglas		A745	Douglas	goo
26471	Macfarlane &	Foundry	ga		Market Hall		Market Street	Yorkshire	goo
27818	Macfarlane &	Foundry	ga	809	Stewart		Cemetery	Stewart	exc
26717	Macfarlane &	Foundry	ga		Parish		High Street	Scottish	stat
483	Macfarlane &	Foundry	gl		Botanic	A	Gardens	Glasgow	exc
26288	Macfarlane &	Foundry	gr		Kilmallie		Cemetery	Highland	stat
28837	Macfarlane &	Foundry	gr	163	Govan Cross		Water Row	Govan	stat
28801	Macfarlane &	Foundry	la	62	Royal		Murray Street	Western	stat
25783	Macfarlane &	Foundry	la		King's Cross	B	Road King's	Dundee	goo
26373	Macfarlane &	Foundry	la		Cheong Fatt		Leith Street	Penang	exc
493	Macfarlane &	Foundry	la		Allan		Street	Allan Stirling	goo
498	Macfarlane &	Foundry	la		Barnton	B	Street	Stirling	stat
26574	Macfarlane &	Foundry	la	60	Hall lamp		Memorial	Edzell Angus	goo
26428	Macfarlane &	Foundry	la		Southsea		Esplanade	Portsmouth	goo
28165	Macfarlane &	Foundry	la		Halifax Point		Pleasant	Scotia	goo
28044	Macfarlane &	Foundry	la		lamp pillars		Church of	Dumfries &	goo
26947	Macfarlane &	Foundry	la		memorial		The Square	Moray	exc
									exc

Scottish Architectural Ironwork
by Manufacturer

27562	Macfarlane &	Foundry	la	11	former		Market Street	Scottish	stat
28804	Macfarlane &	Foundry	la		Horseshoe		Street	Western	stat
27563	Macfarlane &	Foundry	la	6	Bridge Place		BridgeStreet	Scottish	stat
28513	Macfarlane &	Foundry	la		Belgrave		Terrace	Glasgow	exc
28266	Macfarlane &	Foundry	la	16	Museum		Museum	Durham	exc
25932	Macfarlane &	Foundry	ot		glazed		platforms 5-7	& Kinross	stat
27218	Macfarlane &	Foundry	ot		Leith		Hotel	Leith	goo
25884	Macfarlane &	Foundry	ot	139	station		Station	South	exc
25858	Macfarlane &	Foundry	ot	190	Queen Street		Station	Glasgow	goo
27530	Macfarlane &	Foundry	ra		Cranworth		Street	Glasgow	exc
28824	Macfarlane &	Foundry	ra	457	County Hotel		Botchergate	Cumbria	goo
27528	Macfarlane &	Foundry	ra		Cresswell		Street	Glasgow	goo
26853	Macfarlane &	Foundry	ra	375	Douglas		Road A713	Douglas	goo
27554	Macfarlane &	Foundry	ra		Andersons		Market Street	Scottish	goo
27314	Macfarlane &	Foundry	ra		Mayfield roof		Crescent	Edinburgh	goo
27433	Macfarlane &	Foundry	ra	1076	railings 2		Street	Aberdeenshir	goo
27432	Macfarlane &	Foundry	ra	1076	railings 1		Street	Aberdeenshir	goo
26818	Macfarlane &	Foundry	ra	40	railings 1		A493	of) Gwynedd	stat
27834	Macfarlane &	Foundry	ra	809	Stewart		Dashwood	Stewart	exc
27842	Macfarlane &	Foundry	ra	8	railings 01		Road	Dumfries &	goo
26809	Macfarlane &	Foundry	ra	464	railings 1		Great	Ceredigeon	goo
27813	Macfarlane &	Foundry	ra		railings 6		Stair Street	Dumfries &	goo
27167	Macfarlane &	Foundry	ra		Sauchiehall		Street (west)	Glasgow	goo
27741	Macfarlane &	Foundry	ra	1018	balcony		Terrace	Caithness	exc
27853	Macfarlane &	Foundry	ra	214	railings 12		Street	Dumfries &	goo
27717	Macfarlane &	Foundry	ra		Rosebank		Playing	Caithness	goo
27744	Macfarlane &	Foundry	ra	40	balcony		Street ?	Caithness	goo
27660	Macfarlane &	Foundry	ra	704	Station		Strathyre	Station	stat
27755	Macfarlane &	Foundry	ra	1139	Tain railing 1		e Road	shire	goo
									goo

Scottish Architectural Ironwork
by Manufacturer

27610	Macfarlane &	Foundry	ra	28	railing 4		Street	Wester Ross	goo
27181	Macfarlane &	Foundry	ra		Royal		Terrace	Glasgow	goo
27183	Macfarlane &	Foundry	ra		Claremont		Street	Glasgow	goo
27582	Macfarlane &	Foundry	ra	26	balcony		House	Raasay	goo
26952	Macfarlane &	Foundry	ra	213	railings		A862	Highland	goo
27413	Macfarlane &	Foundry	ra	647	Bridgetown		Street	Barbados	goo
27239	Macfarlane &	Foundry	ra		Forrest Road		/ Lauriston	Edinburgh	goo
27632	Macfarlane &	Foundry	ra	1139	railing 2		Street	Highland	goo
28195	Macfarlane &	Foundry	ra	59	Bridgetown		Heritage	Barbados	goo
28313	Macfarlane &	Foundry	ra	281	Lulworth		Road	Lancashire	goo
28225	Macfarlane &	Foundry	ra	40	Green Tree		Northgate	Scottish	goo
28503	Macfarlane &	Foundry	ra	1133	High Street		High Street	Devon	goo
26064	Macfarlane &	Foundry	ra	774	Parliament		House	Singapore	goo
28185	Macfarlane &	Foundry	ra	384	Catholic		Street	Grenada	stat
25992	Macfarlane &	Foundry	ra	586	Westbourne		Gardens W	Glasgow	exc
28470	Macfarlane &	Foundry	ra	459	Road gates &		Pier Road	Argyll & Bute	goo
28528	Macfarlane &	Foundry	ra	582	Southpark		Terrace	Glasgow	goo
28345	Macfarlane &	Foundry	ra		Grand		Parade	Devon	exc
28204	Macfarlane &	Foundry	ra		Roseau		V Street	Dominica	exc
27857	Macfarlane &	Foundry	ra	1031	railings 17		Road	Dumfries &	goo
28315	Macfarlane &	Foundry	ra	209	Botanic		Gardens	Lancashire	goo
26870	Macfarlane &	Foundry	ra	242	Douglas		A713	Douglas	goo
28226	Macfarlane &	Foundry	ra	163	Green Tree		Hotel	Scottish	goo
28878	Macfarlane &	Foundry	ra	1104	verandah		Street	Essex	goo
26133	Macfarlane &	Foundry	ra		Union		Gardens	Aberdeen	exc
28544	Macfarlane &	Foundry	ra	879	Annat railing		A 897	Torridon	goo
28010	Macfarlane &	Foundry	ra	59	roof terminals		North Street	Dumfries &	goo
27873	Macfarlane &	Foundry	ra		roof railing 1		London Road	Dumfries &	stat
28920	Macfarlane &	Foundry	ra	922	balcony		Road	Highland	goo
									goo

Scottish Architectural Ironwork
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28174	Macfarlane &	Foundry	ra	117	Bridgetown		Cathedral	Barbados	exc
28011	Macfarlane &	Foundry	ra		Townhead of		Glencairn	Dumfries &	exc
28047	Macfarlane &	Foundry	ra	203	roof railing 3		Sun Street	Dumfries &	goo
28380	Macfarlane &	Foundry	ra	574	Burgh Road		Burgh Road	Shetland	goo
28376	Macfarlane &	Foundry	ra		Wayfarers		Arcade Lord	Lancashire	exc
28351	Macfarlane &	Foundry	ra		Chow Tye		Road	Penang	stat
574	Macfarlane &	Foundry	ra		Cranworth		Street	Glasgow	stat
28348	Macfarlane &	Foundry	ra		balcony		Constitutional	Devon	stat
28851	Macfarlane &	Foundry	ra	40 & 743	Vogrie grave		Vogrie Park	Midlothian	at ri
28272	Macfarlane &	Foundry	sh	10	urinal (lost)		Road / North	Lancashire	lost
26157	Macfarlane &	Foundry	sh		shelter 1		Tramway	Derbyshire /	goo
28551	Macfarlane &	Foundry	sh		tram shelter		Beach (since	Lancashire	goo
28552	Macfarlane &	Foundry	sh		shelter		Road	Dover Kent	goo
26714	Macfarlane &	Foundry	sh	87	Balgay park		Balgay Park	Dundee	stat
									goo

cast iron	1898
cast iron	
cast iron	1887
cast iron	1924
cast iron	1900
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cast iron	1900
wrought iron	
cast iron	1904
cast iron	1892
cast iron	1923
cast iron	1913
cast iron	1887
cast iron	1896
cast iron	1935
wrought iron	1891
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wrought iron	
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cast iron	1911
cast iron	1906
cast iron	1914

cast iron	1894
cast iron	1892
cast iron	1924
wrought iron	1897
cast iron	1895
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cast iron	1903
cast iron	1895
cast iron	1875
cast iron	1909
cast iron	1907
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wrought iron	1886
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cast iron	
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cast iron	1893
cast iron	
cast iron	
cast iron	1886
cast iron	

Scottish Architectural Ironwork
by Manufacturer

cast iron	
cast iron	
cast iron	1896
cast iron	1896
cast iron	
wrought iron	
wrought iron	1920
cast iron	
cast iron	1905
cast iron	
cast iron	1910
cast iron	1877
cast iron	
cast iron	1910
cast iron ?	1912
cast iron	1918
cast iron	1913
cast iron	1935
cast iron	
cast iron	
cast iron	1889
cast iron	1904
cast iron	
cast iron	
cast iron	
cast iron	
cast iron	
cast iron	1884
cast iron	
cast iron	1907
cast iron	
cast iron	1885
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cast iron	1916

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cast iron	1932
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cast iron	
cast iron	1904
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cast iron	
cast iron	
cast iron	1910
cast iron	1904
cast iron	1864
wrought iron	1911
cast iron	
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Scottish Architectural Ironwork
by Manufacturer

cast iron	
cast iron	
cast iron	1902
cast iron	1886
cast iron	1906
cast iron	1886
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cast iron	1885
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cast iron	1885
cast iron	1863
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cast iron	1898
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cast iron	1903
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cast iron	1921
cast iron	1891
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wrought iron	1874
wrought iron	1874
cast iron	1872
cast iron	1912
cast iron	1894
cast iron	
cast iron	1921
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cast iron	
wrought iron	1874
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cast iron	1907
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cast iron	1897
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cast iron	1909
cast iron	1907
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wrought iron	1880
cast iron	1907
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cast iron	1914
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wrought iron	1925
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cast iron	1859
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cast iron	1906
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cast iron	1897
cast iron	1896
cast iron	1896
cast iron	1911
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steel	
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wrought iron	1890

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cast iron	1886
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cast iron	1899
cast iron	1879
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cast iron	1878
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cast iron	1871
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cast iron	1864
cast iron	1889

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cast iron	1911
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cast iron	1891
cast iron	1897
wrought iron	1900
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cast iron	1920
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cast iron	1914

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wrought iron	1910
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wrought iron	
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Scottish Architectural Ironwork
by Manufacturer

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cast iron	1886
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cast iron	1906
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cast iron	1896
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cast iron	1877
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cast iron	1901
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Scottish Architectural Ironwork
by Manufacturer

cast iron	
cast iron	1920
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cast iron	1909
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wrought iron	1874
cast iron	1899
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cast iron	1893
cast iron	1913
cast iron	1877
cast iron	1884

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cast iron	1878
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cast iron	1884
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cast iron	1871
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cast iron	1909
wrought iron	1898
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wood	1878
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wrought iron	
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Scottish Architectural Ironwork
by Manufacturer

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& cast iron	1904
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cast iron	
cast iron	1906

	Sons	Ironworks	ba		People's		Park	Yorkshire	exc
28237	Sons	Ironworks	bu		d Scout		Caledonian	d Perthshire	exc
26041	Sons	Works	ec		517 Lord		517 Lord	Lancashire	goo
26037	Sons	Works	ec		397 Lord		Street	Lancashire	goo
28367	Sons	Works	ec		001 Lord		Lord Street /	Lancashire	goo
26044	Sons	Works	ec		127 Lord		127-131 Lord	Lancashire	goo
28372	Sons	Works	ec		King Street		Market Street	Lancashire	goo
26602	Sons	Ironworks	fd		drinking		Queens	Lothian	exc
26183	Sons	Ironworks	ga	70	A834 gate 1		Caberfeidh	Highland	goo
28882	Sons	Works	la		Sea lamp		Parade to	Sea Essex	goo
26181	Sons	Works	ra	70	A834 railing		Caberfeidh	Highland	goo
27754	Sons	Works	ra		church railing		Street	Caithness	goo
28806	Sons	Glasgow	ra	174	Art Gallery		Mall	Western	goo
27576	Sons	Works	ra		1		A839	Sutherland	goo
28381	Sons	Works	ra		Burgh Road		Burgh Road	Shetland	goo
25975	Sons	Works	ra		railings		Pier	of Glamorgan	exc
26057	Sons	Works	sh		Marine Lake		Marine Lake	Lancashire	goo
350	Sons ?	Ironworks	fd		drinking	C	Park	Lothian	mo
26791	Sons ?	Works	ga		Wick gate 06		& Francis	Caithness	goo
26800	Sons ?	Glasgow	ra		08		Thurso Road	Caithness	goo
28393	Sons ?	Glasgow	ra		Harald Street		Street	Shetland	goo
28420	Sons ?	Glasgow	ra		Olaf Street		St Olaf Street	Shetland	goo
28569	Sons ?	Ironworks	ra		gate		Street	East Ayrshire	sta
28568	Sons ?	Ironworks	ra		railing		Street	East Ayrshire	sta
28422	Sons ?	Glasgow	ra		Olaf Street		St Olaf Street	Shetland	goo
27710	Sons ?	Glasgow	ra		19		Street	Caithness	goo

cast iron	1897
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202	Smith & Co	Glasgow	ba		Arboretum		Arboretum	Lincolnshire	goo
25675	Smith & Co	Glasgow	ba		Mesnes Park	2	Mesnes Park	Lancashire	stat
168	Smith & Co	Glasgow	ba		Clapham		Common	Clapham	exc
173	Smith & Co	Glasgow	ba	2	bandstand		The Links	Highland	exc
172	Smith & Co	Glasgow	ba		Union		Terrace	Aberdeen	lost
26945	Smith & Co	Glasgow	ba	1	Hamilton		Victoria Park	Bermuda	exc
26405	Smith & Co	Glasgow	ba		Hedgemead		Park	North East	goo
27170	Smith & Co	Glasgow	bc		Sauchiehall		Place	Glasgow	exc
25739	Smith & Co	Glasgow	bc		verandah		Street	Tuckingmill	goo
575	Smith & Co	Glasgow	bl		Hunterian		Museum	Glasgow	exc
27300	Smith & Co	Glasgow	bl		Hydro Hotel		Hydro Hotel	Stirlingshire	goo
25699	Smith & Co	Glasgow	br	16	overbridge		station	Cobh Ireland	stat
25714	Smith & Co	Alloa	br		Morningside		Station	Edinburgh	goo
25933	Smith & Co	Glasgow	br		balustrades 2		platforms	& Kinross	goo
176	Smith & Co	Glasgow	br		bridge		Road / River	Greater	goo
26357	Smith & Co	Glasgow	br		pedestrian		over Dean	Gloucestersh	stat
28598	Smith & Co	Glasgow	br		bridge		Summerlee	North	exc
27505	Smith & Co	Glasgow	bu	175	Crichton		Road	Argyll & Bute	exc
28299	Smith & Co	Glasgow	bu		shopfront 07		Street	Fife	goo
27499	Smith & Co	Glasgow	bu		Battery Place		Glendale	Argyll & Bute	exc
28848	Smith & Co	Glasgow	bu		Calcutta		not identified	India	not
28571	Smith & Co	Glasgow	bu	16	Douglas		King Street	Douglas	goo
28303	Smith & Co	Glasgow	bu		shopfront 11		South Street	Fife	goo
28304	Smith & Co	Glasgow	bu		shopfront 12		South Street	Fife	goo
26568	Smith & Co	Glasgow	bu		Broomlands		Street	Renfrewshire	goo
27186	Smith & Co	Glasgow	bu		shopfront 02		Bell Street	Fife	stat
27500	Smith & Co	Glasgow	bu		Battery Place		Battery Place	Argyll & Bute	exc
28132	Smith & Co	Glasgow	bu		Manaus		R dez de	Amazonas	exc
27504	Smith & Co	Glasgow	bu		Crichton		Road	Argyll & Bute	exc
27799	Smith & Co	Glasgow	bu	16	shopfront 06		Street	Fife	exc
26530	Smith & Co	Glasgow	ct		Gorbals		Cross	Gorbals	lost
26531	Smith & Co	Glasgow	ct	1	Berkeley		The Circus	St Kitts West	goo
177	Smith & Co	Glasgow	ct		Aston Cross		Lichfield	Birmingham	goo
27298	Smith & Co	Glasgow	ec		Hydro Hotel		Hydro Hotel	Stirlingshire	goo

26036	Smith & Co	Glasgow	ec		497 Lord		497-503 Lord	Lancashire	stat
416	Smith & Co	Glasgow	ec		Argyle Street		Argyle Street	Argyll & Bute	
28631	Smith & Co	Glasgow	fd	2	cow-tailed		Street	Highland	stat
192	Smith & Co	Glasgow	fd	3	Alexandra		Parade	Glasgow	fair
25740	Smith & Co	Glasgow	fd		drinking		village centre	Alston	fair
25742	Smith & Co	Glasgow	fd		Currie		Gardens	Durban	exc
25743	Smith & Co	Glasgow	fd		drinking		Winton Place	Lothian	lost
25866	Smith & Co	Glasgow	fd	2	People's		Park Pery	Ireland	goo
28159	Smith & Co	Glasgow	fd		drinking		Grange Road	Somerset	goo
28872	Smith & Co	Glasgow	fd		Hamilton		Curran Road	Northern	lost
25697	Smith & Co	Glasgow	fd	2	drinking		Square	Northern	stat
28339	Smith & Co	Glasgow	fd	174	Old Town		High Street	Aberdeen	lost
28788	Smith & Co	Glasgow	fd	8	Tobermory		Main Street	Mull Argyll &	exc
26570	Smith & Co	Glasgow	fd		drinking		Street / Hope	Falkirk	lost
27822	Smith & Co	Glasgow	fd		Stewart		Gardens	Stewart	goo
26143	Smith & Co	Glasgow	fd		drinking		gardens	Northumberla	stat
28874	Smith & Co	Alloa	fd		Station urinal		Station	Northern	lost
28642	Smith & Co	Glasgow	fd		Kelvingrove		Fountain	Glasgow	pen
182	Smith & Co	Glasgow	fd	3	drinking		Cathedral (in	Highland	exc
349	Smith & Co	Glasgow	fd	3	drinking	C	Court	Midlothian	exc
178	Smith & Co	Glasgow	fd		drinking		Main Street	Angus	exc
28240	Smith & Co	Glasgow	fd		Dunscombe		Shandon	Cork Ireland	lost
191	Smith & Co	Glasgow	fd		Teesdale		Square	Teesdale	exc
28828	Smith & Co	Glasgow	fd	3	Big Lamp 1		High Street	Northern	lost
179	Smith & Co	Glasgow	fd		fountain		The Square	Elie Fife	goo
28988	Smith & Co	Glasgow	fd	13	Jubilee		Market Place	Hampshire	goo
28586	Smith & Co	Glasgow	fd	13	Georgetown		Gardens	Guyana	goo
28284	Smith & Co	Glasgow	fd	13	drinking		(outside	Lincolnshire	goo
27073	Smith & Co	Glasgow	fd		drinking		Court	Midlothian	exc
28590	Smith & Co	Glasgow	fd	2	drinking		Gardens	Northern	mo
27841	Smith & Co	Glasgow	fd		Stewart		Square	Stewart	lost
28811	Smith & Co	Glasgow	fd		drinking		Bridge Street	Lanarkshire	lost
185	Smith & Co	Glasgow	fd		ck drinking		nr harbour	ck Highland	exc
28473	Smith & Co	Glasgow	fd	14	n drinking		Ground	n Argyll &	goo

181	Smith & Co	Glasgow	fd	3	drinking	C	Links Place	Fife	goo
28592	Smith & Co	Glasgow	fd	13	cemetery		Falls Road	Northern	goo
183	Smith & Co	Glasgow	fd		drinking		Forecourt	Essex	fair
25958	Smith & Co	Glasgow	fd	12	Roker		Park	Tyne & Wear	goo
25751	Smith & Co	Glasgow	fo		fountain		Gardens	Walsall West	exc
26700	Smith & Co	Glasgow	fo		(Aus) 'Fairy		Queen's Park	Queensland	goo
27583	Smith & Co	Glasgow	fo	37	fountain 1		House	Raasay	at ri
27784	Smith & Co	Glasgow	fo	22	Tain fountain		Castle Hotel	shire	unk
26701	Smith & Co	Glasgow	fo		(Aus) 'Fairy		Queen's Park	Queensland	goo
347	Smith & Co	Glasgow	fo	2	ornamental	B	The Square	Moray	goo
27518	Smith & Co	Glasgow	fo	23	ornamental		nr Castle	Argyll & Bute	goo
319	Smith & Co	Glasgow	fo		Foundry		applicable	USA	goo
28238	Smith & Co	Glasgow	fo	2	Lahore		the Victoria	Pakistan	stat
113	Smith & Co	Glasgow	fo	1	'Walrus'		Gardens	Renfrewshire	at ri
362	Smith & Co	Glasgow	fo	34	Road	C	Cemetery	Perthshire &	stat
26058	Smith & Co	Glasgow	fo	11	Nicolson		Square	Edinburgh	exc
26702	Smith & Co	Glasgow	fo		(Aus) 'Fairy		Queen's Park	Queensland	goo
28845	Smith & Co	Glasgow	fo		Kandy		not identified	Lanka	at ri
353	Smith & Co	Glasgow	fo		The Square	B	The Square	East Lothian	goo
27198	Smith & Co	Glasgow	fo		ornamental		Market Hall	Jersey	goo
28144	Smith & Co	Glasgow	fo	39	Devon House		Devon House	Jamaica	exc
26707	Smith & Co	Glasgow	fo		Hydro		Hydro Hotel	Scottish	goo
199	Smith & Co	Glasgow	fo		Laoghaire		Peoples Park	Laoghaire	exc
200	Smith & Co	Glasgow	fo		High Street	B	High Street	Dumfries &	goo
28588	Smith & Co	Glasgow	ga		St Mary		Street	Dumfries &	exc
547	Smith & Co	Glasgow	ga		cemetery		west of	Falkirk (ex	stat
28866	Smith & Co	Glasgow	ga		Errol gates		Errol Park	Perthshire &	goo
26309	Smith & Co	Glasgow	ga		St Mary's		Church	East Lothian	exc
28798	Smith & Co	Glasgow	ga		gates &		Law Courts	Victoria	goo
26879	Smith & Co	Glasgow	ga	413	St Mary		Street	Dumfries &	exc
26898	Smith & Co	Glasgow	ga		St Mary		Street	Dumfries &	goo
431	Smith & Co	Glasgow	ga		Briggait		The Briggait	Glasgow	at ri
26400	Smith & Co	Glasgow	ga	17	graveyard		Graveyard	Campbeltow	stat
27691	Smith & Co	Glasgow	ga	18	Wick gate 18		Miller Avenue	Caithness	goo

27693	Smith & Co	Glasgow	ga	268	Cemetery		South Road	Caithness	goo
26315	Smith & Co	Glasgow	ga		Bledrws		Bledrws	Bledrws	goo
28298	Smith & Co	Glasgow	ga	38	gate 2		/ Alexandra	Fife	exc
26660	Smith & Co	Glasgow	ga	108	Memorial		Memorial	Lewis	stat
26164	Smith & Co	Glasgow	ga		gates		Ltd Forest	Scottish	stat
25982	Smith & Co	Glasgow	gr		Necropolis		Necropolis	Glasgow	at ri
27641	Smith & Co	Glasgow	gr		grave marker		Priory	Dumfries &	at ri
27640	Smith & Co	Glasgow	gr		grave marker		Priory	Dumfries &	stat
27639	Smith & Co	Glasgow	gr		grave marker		Priory	Dumfries &	stat
26639	Smith & Co	Glasgow	gr		grave marker		Cemetery	Victoria	stat
77	Smith & Co	Glasgow	gr		Holyrude	A	Cemetery	Stirling	stat
28563	Smith & Co	Glasgow	gr		grave marker		Graveyard	Highland	stat
26242	Smith & Co	Glasgow	gr	268	grave railing		A82 north	Highland	stat
26167	Smith & Co	Glasgow	gr		gravemarker		Church	Argyll & Bute	stat
26291	Smith & Co	Glasgow	gr		Kilmallie		Cemetery	Highland	stat
25691	Smith & Co	Glasgow	gr		Church		Church	Argyll & Bute	fair
26279	Smith & Co	Glasgow	gr	29	grave marker		Parish	Argyll & Bute	goo
28982	Smith & Co	Glasgow	gr		New		Kilpatrick	East	poo
27580	Smith & Co	Glasgow	gr		grave marker		East Church	Tain Ross-	exc
28476	Smith & Co	Glasgow	gr		n grave		Road	n Argyll &	stat
201	Smith & Co	Glasgow	gr		Necropolis		Necropolis	Glasgow	at ri
28983	Smith & Co	Glasgow	gr	29	New		Kilpatrick	East	poo
26239	Smith & Co	Glasgow	gr		grave marker		A82 north	Highland	stat
26558	Smith & Co	Glasgow	gr		Sighthill		Cemetery	Glasgow	stat
532	Smith & Co	Glasgow	gr		gravemarker		Graveyard	Falkirk (ex	poo
28789	Smith & Co	Glasgow	gr		Tobermory		Ground	Mull Argyll &	unk
27471	Smith & Co	Glasgow	gr	13	grave		Cemetery	Argyll & Bute	goo
501	Smith & Co	Glasgow	gr		Holyrude		Cemetery	Stirling	stat
489	Smith & Co	Glasgow	gr		Necropolis	B	Necropolis	Glasgow	at ri
535	Smith & Co	Glasgow	gr		gravemarker		Graveyard	Falkirk (ex	at ri
27479	Smith & Co	Glasgow	gr		grave		Cemetery	Argyll & Bute	poo
27480	Smith & Co	Glasgow	gr	13	grave		Cemetery	Argyll & Bute	stat
533	Smith & Co	Glasgow	gr		gravemarker		Graveyard	Falkirk (ex	stat
531	Smith & Co	Glasgow	gr		gravemarker		Graveyard	Falkirk (ex	poo

196	Smith & Co	Glasgow	la		Place lamp		Market Place	Staffordshire	goo
28835	Smith & Co	Glasgow	la		Govan Old		Church	Govan	at ri
27219	Smith & Co	Glasgow	la		Bristo Place		(behind	Edinburgh	goo
26961	Smith & Co	Glasgow	la		'Provost'		High Street	Moray	exc
28671	Smith & Co	Glasgow	la		Huntly		Terrace	Glasgow	exc
26875	Smith & Co	Glasgow	la		Tolbooth		High Street	Dumfries &	goo
197	Smith & Co	Glasgow	la		Street lamp		High Street	Angus	goo
194	Smith & Co	Glasgow	la		lamp pillars		Street	Devon	poo
195	Smith & Co	Glasgow	la		footbridge		footbridge	Gloucestersh	stat
26694	Smith & Co	Glasgow	la		University		University	Glasgow	exc
28849	Smith & Co	Glasgow	la	21	Bombay		various	India	not
28722	Smith & Co	Glasgow	la		Saltoun		Street	Glasgow	goo
28815	Smith & Co	Glasgow	la		Nelson		Bridge	Cumbria	goo
26874	Smith & Co	Glasgow	la	120	St Cuthbert		Street	Dumfries &	goo
26647	Smith & Co	Glasgow	la		G-Mex lamp		Exhibition	Manchester	goo
28113	Smith & Co	Glasgow	la	120	Manaus		Praca da	Amazonas	goo
26015	Smith & Co	Glasgow	la		University		driveway &	Glasgow	goo
175	Smith & Co	Glasgow	la	63	Spa bridge		Bridge	Spa	goo
25880	Smith & Co	Glasgow	la		'provost'		Tollbooth	South	exc
27042	Smith & Co	Glasgow	la		Station lamp		Railway	Angus	exc
27177	Smith & Co	Glasgow	la		Sauchiehall		Street Royal	Glasgow	stat
27243	Smith & Co	Glasgow	la	120	lamp pillars		House Leny	Stirlingshire	stat
28668	Smith & Co	Glasgow	la		Horselet		Road	Glasgow	exc
28595	Smith & Co	Glasgow	la		lamp pillars 1		Heritage	North	exc
25936	Smith & Co	Glasgow	la		gate-post		Church Tay	& Kinross	goo
28816	Smith & Co	Glasgow	la		Parker's		Piece	Cambridge	goo
27493	Smith & Co	Glasgow	la	27	lamp pillar 3		Eldon Street	Inverclyde	goo
26003	Smith & Co	Glasgow	la		Hyndland		Road (North	Glasgow	goo
26337	Smith & Co	Glasgow	la		Queen's		Bridge	Northern	goo
27022	Smith & Co	Glasgow	la	120	lamp pillars 2		Gardens	Dorset	exc
26085	Smith & Co	Glasgow	la	30	Tolbooth		The Tolbooth	East Lothian	goo
25846	Smith & Co	Alloa	la		Andrew's		Parish	Dumfries &	poo
193	Smith & Co	Glasgow	la		Clarence		Street	Gloucestersh	goo
554	Smith & Co	Glasgow	la		Broughty		Crescent	Broughty	goo

26605	Smith & Co	Glasgow	la		IOM lamp		Square	of Man	poo
26693	Smith & Co	Glasgow	la		University		courtyards	Glasgow	exc
26363	Smith & Co	Glasgow	la		Infirmary		Brae /	Dundee	goo
26595	Smith & Co	Glasgow	la		street lamp		People's	Glasgow	unk
25734	Smith & Co	Glasgow	la		Wollaton		Park	Nottingham	stat
28799	Smith & Co	Glasgow	la	87	lamp pillars		Law Courts	Victoria	goo
28877	Smith & Co	Glasgow	ot		Cemetery		Cemetery	Aberdeenshir	goo
27514	Smith & Co	Glasgow	ot		Mount Stuart		Road	Argyll & Bute	goo
343	Smith & Co	Glasgow	ot	5	Waterworks		Service	Angus	goo
25841	Smith & Co	Glasgow	ot		station		Station	Dumfries &	goo
25870	Smith & Co	Glasgow	ot		canopy		Ayr station	Ayrshire	goo
27794	Smith & Co	Glasgow	ot		Castle bench		Castle	Ayrshire	stat
28649	Smith & Co	Glasgow	ra		Clouston		Street	Glasgow	goo
28650	Smith & Co	Glasgow	ra		Clouston		Street	Glasgow	goo
28293	Smith & Co	Glasgow	ra	338	railing 4 'The		/ Alexandra	Fife	goo
26949	Smith & Co	Glasgow	ra		bandstand		The Links	Highland	exc
27715	Smith & Co	Glasgow	ra		Cemetery		South Road	Caithness	stat
28724	Smith & Co	Glasgow	ra		Turnberry		Road	Glasgow	goo
496	Smith & Co	Glasgow	ra	354	Allan railings		Road	Allan Stirling	goo
26024	Smith & Co	Glasgow	ra		Adelphi		Street Clyde	Glasgow	exc
27030	Smith & Co	Glasgow	ra	214	Hamilton		Victoria Park	Bermuda	exc
26657	Smith & Co	Glasgow	ra	949	Memorial		Memorial	Lewis	stat
27460	Smith & Co	Glasgow	ra	218	railing 2		Bridgefield	Aberdeenshir	goo
26882	Smith & Co	Glasgow	ra	413	St Mary		Street	Dumfries &	goo
27297	Smith & Co	Glasgow	ra		Hydro Hotel		Hydro Hotel	Stirlingshire	goo
27532	Smith & Co	Glasgow	ra		Great		George	Glasgow	goo
26883	Smith & Co	Glasgow	ra	185	St Mary		Street	Dumfries &	goo
26904	Smith & Co	Glasgow	ra	233	St Mary		Street	Dumfries &	goo
27539	Smith & Co	Glasgow	ra	984	Lilybank		Terrace /	Glasgow	goo
27987	Smith & Co	Glasgow	ra	949	Memorial		Memorial	Lewis	goo
28782	Smith & Co	Glasgow	ra	1382	Pollokshields		Primary	Glasgow	goo
25770	Smith & Co	Glasgow	sh		urinal (ex		Station SVR	Hereford &	goo
25736	Smith & Co	Glasgow	sh		Wollaton		Park	Nottingham	stat
									exc

25769	Smith & Co	Glasgow	sh		station urinal		Station	Scottish	mov
116	Smith & Co	Glasgow	sh	54	Horfield	2	Common nr	Bristol	exc
27015	Smith & Co	Glasgow	sh	4	urinal		Railway	Yorkshire	exc
115	Smith & Co	Glasgow	sh	54	- Mina Park	2	Park	Bristol	exc
112	Smith & Co	Glasgow	st		bollards		Lurgan Park	Northern	exc
28549	Smith & Co	Glasgow	ba		Georgetown		Gardens	Guyana	goo
515	Smith & Co	Glasgow	bl	185	Govan ex		Street	Govan	exc
28317	Smith & Co	Glasgow	ec		Lulworth		Road	Lancashire	exc
28850	Smith & Co	Glasgow	fo		Pierce		Vale Road	North Wales	exc
28591	Smith & Co	Glasgow	fo		cemetery		Cemetery	Northern	goo
28021	Smith & Co	Glasgow	ga	213	gates 15		Lewis Street	Dumfries &	goo
28853	Smith & Co	Glasgow	ga		Mesnes Park		Mesnes Park	Lancashire	goo
28318	Smith & Co	Glasgow	la		Lulworth		Road	Lancashire	goo
27921	Smith & Co	Glasgow	ra	783	Garden Road		Garden Road	Lewis	exc
28033	Smith & Co	Glasgow	ra	213	railings 22		Lewis Street	Dumfries &	goo
28169	Smith & Co	Glasgow	ra	246	balcony		Terrace ?	Northumberla	goo
28972	Smith & Co	Glasgow	ra	258	h The Grove		The Grove	h Argyll &	exc
28170	Smith & Co	Glasgow	ra	1206	balcony		Terrace ?	Northumberla	goo
28951	Smith & Co	Glasgow	ra	268	grave railing		Church	West	stat
26651	Smith & Co	Glasgow	ra	977	Matheson		Road /	Lewis	goo
26101	Smith & Co	Clippens	ec		Marylebone		Station	London	goo
363	Smith & Co	Clippens	la		Square	B	Square	Perthshire &	goo
26312	Smith & Co /	/ Beaverbank	ra		St Mary's		Church	East Lothian	exc
140	Smith & Co ?	Glasgow ?	bl		spiral stair		College	Ceredigeon	goo
27501	Smith & Co ?	Glasgow	bo		Battery Place		Glendale	Argyll & Bute	goo
27497	Smith & Co ?	Glasgow	bo		Victorian		Pier Head	Argyll & Bute	stat
26195	Smith & Co ?	Glasgow ?	bu		High Street		High Street	Highland	goo
27299	Smith & Co ?	Glasgow ?	ec		Hydro Hotel		Hydro Hotel	Stirlingshire	goo
25724	Smith & Co ?	Glasgow ?	fd		Arvan's		St Arvans	Monmouthshi	goo
28285	Smith & Co ?	Glasgow	fo		fountain		Square	Lincolnshire	mov
27584	Smith & Co ?	Glasgow	fo		fountain 2		House	Raasay	at ri
28286	Smith & Co ?	Glasgow	fo		fountain		South	Lincolnshire	exc
25793	Smith & Co ?	Glasgow ?	fo		Manaus		Matriz	Amazonas	goo
									goo

28362	Smith & Co ?	Glasgow	fo		Market		Market	Cork Ireland	exc
26960	Smith & Co ?	Glasgow ?	fo		ornamental		Museum	Moray	stat
28923	Smith & Co ?	Glasgow	fo		bird fountain		not identified	Highland	goo
28145	Smith & Co ?	Glasgow	ga	180	Devon House		Devon House	Jamaica	not
27742	Smith & Co ?	Glasgow ?	ga		1		Terrace	Caithness	goo
26117	Smith & Co ?	Glasgow ?	ga		Church gate	B	Church	Aberdeenshir	lost
26788	Smith & Co ?	Glasgow	ga	121	Wick gate 03		Newton Road	Caithness	goo
27244	Smith & Co ?	Glasgow ?	ga		gates		A84 at west	Stirlingshire	stat
27760	Smith & Co ?	Glasgow	gr		railing 1		churchyard	shire	poo
26561	Smith & Co ?	Sun Foundry	gr		Sighthill		Cemetery	Glasgow	at ri
26559	Smith & Co ?	Glasgow	gr		Sighthill		Cemetery	Glasgow	at ri
27601	Smith & Co ?	Glasgow	gr	94	railing		Church	Sutherland	stat
26560	Smith & Co ?	Glasgow	gr		Sighthill		Cemetery	Glasgow	stat
534	Smith & Co ?	Glasgow	gr		gravemarker		Graveyard	Falkirk (ex	at ri
27472	Smith & Co ?	Glasgow	gr	123	grave railing		Cemetery	Perthshire &	goo
27540	Smith & Co ?	Glasgow ?	la		Lilybank		Terrace	Glasgow	goo
27427	Smith & Co ?	Glasgow	la	87	Temperance		Square	Aberdeenshir	goo
26326	Smith & Co ?	Glasgow ?	la		Albert Halls		Albert Halls	Stirling	exc
26612	Smith & Co ?	Glasgow ?	la		ventilation		Cheveley	Suffolk	goo
26962	Smith & Co ?	Glasgow ?	la		Leonard's		Church High	Moray	goo
26222	Smith & Co ?	Glasgow ?	la		Bank street		Church Bank	Highland	exc
26957	Smith & Co ?	Glasgow ?	la		Spey lamp		South Street	Spey	stat
26221	Smith & Co ?	Glasgow ?	la		Bank Street		Church Bank	Highland	stat
25704	Smith & Co ?	Glasgow ?	la		Laoghaire		Peoples Park	Laoghaire	exc
28939	Smith & Co ?	Glasgow	la	87	n church		Lowland	n Argyll &	goo
25702	Smith & Co ?	Glasgow ?	la		Merrion		Square	Ireland	goo
26382	Smith & Co ?	Glasgow ?	la	136	Penang		Street &	Penang	stat
27245	Smith & Co ?	Glasgow ?	la		gate pillar		A84 at west	Stirlingshire	stat
25970	Smith & Co ?	Glasgow ?	ot		station		Station	Fife	goo
25996	Smith & Co ?	Glasgow ?	ra		Bellshaugh		Road	Glasgow	goo
26695	Smith & Co ?	Glasgow ?`	ra		University		University	Glasgow	goo
27586	Smith & Co ?	Glasgow	ra	996	railing		Terrace	Isle of Skye	goo
27490	Smith & Co ?	Glasgow	ra		railing 7		Eldon Street	Inverclyde	goo
									goo

27738	Smith & Co ?	Glasgow	ra	973	railing 1		Terrace	Caithness	goo
26360	Smith & Co ?	Glasgow ?	ra		Infirmary		Brae	Dundee	exc
25993	Smith & Co ?	Glasgow ?	ra		Westbourne		Gardens N	Glasgow	exc
27459	Smith & Co ?	Glasgow	ra		railing 1		Bridgefield	Aberdeenshir	goo
26928	Smith & Co ?	Glasgow ?	ra		Corstorphine		Road	Edinburgh	goo
25997	Smith & Co ?	Glasgow ?	ra		Vincent		c234	Glasgow	exc
28116	Smith & Co	Glasgow	ga		Memorial		Memorial	Lewis	goo
26645	Smith & Co	Glasgow	la		Albert		Square	Manchester	goo
26492	Smith & Co?	Glasgow	gr		Abbotshall		Churchyard	Fife	stat
26336	Smith & Co?	Glasgow ?	la		Church lamp		RC Church	Northern	goo
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steel	1899
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26355	James Allan	Foundry	ec		Wells		Street The	Wells Powys	goo
26519	Sen & Son	Foundry	ba	9	Weston Park		Weston Park	South	exc
26835	& Co ?	Foundry	ot		Bruce		Katherine's	Falkland Fife	goo
26427	& Co Ltd	Foundry	ba		Abbot		Park	Abbot Devon	stat
205	& Co Ltd	Foundry	ba		Shields		West Park	Shields Tyne	goo
26815	& Co Ltd	Foundry	ec	117	Coed		Hotel A5	Coed Conwy	stat
154	& Co Ltd	Foundry	ec	11	pavement		A546	Conwy	goo
26627	Ltd	Foundry	fo	17	Auckland		Albert Park	New Zealand	goo
26461	Sen & Son	Foundry	ba		Jubilee Park		Jubilee Park	Durham	goo
26393	Sen & Son	Foundry	ba		Pageant		Gardens	Dorset	goo
26528	Sen & Son	Foundry	ba		Victoria		Gardens	& Port Talbot	exc
25887	Sen & Son	Foundry	ba		The Leas		The Leas	Kent	goo
26333	Sen & Son	Foundry	bc		Russell-		Cotes	h Dorset	goo
28614	Sen & Son	Foundry	bo		Ardtornish		House	Highland	goo
155	Sen & Son	Foundry	ec		canopy		Greyhound	Clwyd Wales	goo
28277	Sen & Son	Foundry	fd	25	Phoenix Park		Phoenix Park	Cowcaddens	lost
27199	Sen & Son	Foundry	la		pillars		Club David	Jersey	goo
27023	Sen & Son	Foundry	la		lamp pillars 1		Esplanade	Dorset	goo
351	Sen & Son	Foundry	la		Station lamp	B	Station	Dumfries &	goo
26076	Sen & Son	Foundry	la		pillars 2		Street	Tasmania	goo
25869	Sen & Son	Foundry	ot		staircase		Ayr Station	Ayrshire	goo
27021	Sen & Son	Foundry	ra	339	Pageant		Gardens	Dorset	goo
27017	Sen & Son	Foundry	sh		Spa aviary		Gardens	Spa	exc
27136	Sen & Son	Foundry	sh		Malvern		Wells Road	Malvern	goo
27139	Sen & Son	Foundry	sh		Woodhall		Lincolnshire	Lincoln	exc
158	Sen & Son	Foundry	sh		shelter &		Esplanade	of Glamorgan	goo
25909	Sen & Son	Foundry	sh		Stanley Park		Stanley Park	Liverpool	lost
26841	Sen & Son	Foundry	sh		Devonport		(formerly)	Plymouth	at ri
28427	Sen & Son	Foundry	st		ventilator		Square	Gloucestersh	exc
27673	Sen & Son ?	Foundry	fo		Manaus		Mannho	Amazonas	goo
28275	Sen & Son ?	Foundry	ba		Phoenix Park		Phoenix Park	Cowcaddens	lost
26820	Sen & Son ?	Foundry	bc		cinema		College	Gwynedd	stat
26819	Sen & Son ?	Foundry	bo		cinema		College	Gwynedd	stat
28615	Sen & Son ?	Foundry	bo		Ardtornish		House	Highland	goo

28616	Sen & Son ?	Foundry	ec		Ardtornish		House	Highland	goo
28140	Sen & Son ?	Foundry	fo	15	Bridgetown		Queen's Park	Barbados	goo
28276	Sen & Son ?	Foundry	fo		Phoenix Park		Phoenix Park	Cowcaddens	lost
26629	Sen & Son ?	Foundry	ga		Auckland		Quay Street	New Zealand	exc
25842	Sen & Son ?	Foundry	ot		station		Station	Dumfries &	goo
26817	Sen & Son ?	Foundry	ra		cinema		College	Gwynedd	stat
27166	Sen & Son ?	Foundry	ra		Sauchiehall		Street (west)	Glasgow	stat
26078	Sen & Son ?	Foundry	sh		Rocks urinal		The Rocks	South Wales	exc
381	Sen & Son	Foundry	ba		Macrosty	B	Park	Perthshire &	stat
433	Sen & Son	Foundry	ba		Town	2	Gardens	Wiltshire	exc
25747	Sen & Son	Foundry	ba		bandstand		Promenade	North	goo
25904	Sen & Son	Foundry	ec		pavement		Street (Ask	Conwy	goo
28353	Sen & Son	Foundry	ec		New Savoy		Renfrew	Glasgow	lost
26442	Sen & Son	Foundry	fo		Leys Park		Park	Derbyshire	goo
150	Sen & Son	Foundry	gl		Pier Pavilion		Pier	Conwy	lost
25703	Sen & Son	Foundry	la		Simmonscou		rt Road	Ireland	goo
204	Sen & Son	Foundry	la		Southwick		Fair Green	Sunderland	goo
25710	Sen & Son	Foundry	la		Library lamp		Square	Angus	goo
27445	Sen & Son	Foundry	ot	78	balcony		Queen Street	Aberdeenshir	goo
25900	Sen & Son	Foundry	sh		shelter		Street	Conwy	stat
25766	Sen & Son	Foundry	ba		bandstand		Park	Scottish	lost
25905	Sen & Son	Foundry	ec		pavement		Street (Nigel	Conwy	goo
26590	Senior & Son	Foundry	la		street lamp		People's	Glasgow	unk
26002	Senr	Foundry	la		Great		Western	Glasgow	goo
27866	Senr & Co	Glasgow	ga		gates 05		Street	Dumfries &	goo
27846	Senr & Co	Foundry	ra		railings 05		Lewis Street	Dumfries &	goo
27851	Senr & Co	Glasgow	ra		railings 10		Street	Dumfries &	poo
28019	Senr & Co ?	Ironworks	ga		gates 13		Lewis Street	Dumfries &	goo
26410	Senr & Son	Foundry	bo		rainware		extension	North East	exc
28352	Senr & Son	Foundry	ec		Tivoli Theatre		Promenade	Wirral	lost
26046	Senr & Son	Foundry	ec		221 Lord		221-223 Lord	Lancashire	goo
26592	Senr & Son	Foundry	la		street lamp		People's	Glasgow	unk
26408	Senr & Son	Foundry	la		Crescent		Crescent /	North East	goo
27196	Senr & Son	Foundry	sh	13	urinal		le Bordage	Guernsey	goo

118	Senr & Son	Foundry	sh		SS Great	2	Britain Great	Bristol	stat
27417	Senr & Son ?	Foundry	ba		bandstand		Park	Hereford &	exc
26155	Senr & Son	Foundry	la		lamp pillars		Tramway	Derbyshire /	stat
26335	Senr & Son	Foundry	la		King's Bridge		King's Bridge	Northern	lost
26756	Senr & Son	Foundry	la		Botanic		Gardens St	Glasgow	goo

cast iron	
cast iron	1900
cast iron	1865
cast iron	1908
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cast iron	1895
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wrought iron	1923
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cast iron	1893
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cast iron	
cast iron	1907
wrought iron	1894
wood	1887
cast iron	
wrought iron	1911
wrought iron	
cast iron	1886
cast iron	1900
cast iron	1912
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wood?	1890
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438	Co Ltd	Kirkintilloch	ba	54	bandstand ?		Station	Dartford Kent	lost
436	Co Ltd	Kirkintilloch	ba	24	Fernando		Promenade	Fernando	not
435	Co Ltd	Kirkintilloch	ba		Racecourse		Racecourse	Berkshire	rest
382	Co Ltd	Kirkintilloch	ba		Colliston	B	Park	Dumfries &	exc
439	Co Ltd	Kirkintilloch	ba	23	Strood		Recreation	Kent	lost
437	Co Ltd	Kirkintilloch	ba		Ham		East Ham	Ham	lost
212	Co Ltd	Kirkintilloch	ba	37	Lewisvale		Park	East Lothian	fair
450	Co Ltd	Kirkintilloch	ba	23	Ernest		Stevens Park	Hereford &	fair
449	Co Ltd	Kirkintilloch	ba	23	Handsworth		Park	Birmingham	exc
451	Co Ltd	Kirkintilloch	ba	23	Queen's park		Queen's Park	Lancashire	lost
452	Co Ltd	Kirkintilloch	ba	23	bandstand		Memorial	Neath & Port	stat
453	Co Ltd	Kirkintilloch	ba	42	Princess		Park	Lancashire	lost
26520	Co Ltd	Kirkintilloch	ba	42	bandstand		Public Park	South	goo
454	Co Ltd	Kirkintilloch	ba		Alexandra		Gardens	Berkshire	lost
25682	Co Ltd	Kirkintilloch	ba		bandstand		?	Ashford Kent	lost
456	Co Ltd	Kirkintilloch	ba	42	bandstand		Junction	Durham	lost
25681	Co Ltd	Kirkintilloch	ba	23	bandstand	2	The Park	Manchester	exc
458	Co Ltd	Kirkintilloch	ba		bandstand		Brody Park ?	Renfrewshire	lost
211	Co Ltd	Kirkintilloch	ba	23	Saughton		Park	Edinburgh	in s
26395	Co Ltd	Kirkintilloch	ba		Victoria Park		Victoria Park	Berkshire	goo
26527	Co Ltd	Kirkintilloch	ba	37	bandstand		Park	Wales	goo
169	Co Ltd	Kirkintilloch	ba	25	Peel Park		Peel Park	East	goo
210	Co Ltd	Kirkintilloch	ba	23	Meadows		Meadows	Edinburgh	lost
209	Co Ltd	Kirkintilloch	ba	24	Riverside		Riverside	Devon	exc
207	Co Ltd	Kirkintilloch	ba	24	Town Quay		Town Quay	Dorset	not
455	Co Ltd	Kirkintilloch	ba		Victoria Park		Victoria Park	Lancashire	goo
446	Co Ltd	Kirkintilloch	ba	54	bandstand		Public Park ?	Lanarkshire	lost
441	Co Ltd	Kirkintilloch	ba	24	bandstand		not identified	Inverclyde	lost
442	Co Ltd	Kirkintilloch	ba	24	Govan		Govan	Govan	lost
443	Co Ltd	Kirkintilloch	ba	24	Vauxhall		Park East	Lambeth	lost
219	Co Ltd	Kirkintilloch	ba	23	Locke Park		Locke Park	South	goo
25683	Co Ltd	Kirkintilloch	ba	25	bandstand		Park Three	West	goo
445	Co Ltd	Kirkintilloch	ba	23	Lightwoods		Park	Birmingham	fair
440	Co Ltd	Kirkintilloch	ba	23	bandstand		not identified	Anne's	lost

26514	Co Ltd	Kirkintilloch	ba		bandstand		Recreation	Rutland	goo
25677	Co Ltd	Kirkintilloch	ba	37	Burngreen		Peace Park	Lanarkshire	goo
447	Co Ltd	Kirkintilloch	ba	25	Leys park		Park	Derbyshire	exc
25678	Co Ltd	Kirkintilloch	ba	23	Punta Arenas		Punta Arenas	Punta Arenas	not
25679	Co Ltd	Kirkintilloch	ba		kiosk (for		not identified	South	not
25680	Co Ltd	Kirkintilloch	ba		Castle		Museum	Castle	lost
218	Co Ltd	Kirkintilloch	ba		Woodhead		Park	East	lost
26481	Co Ltd	Kirkintilloch	bl		County		Cross	Yorkshire	exc
26837	Co Ltd	Kirkintilloch	bo		rainware 2		High Street	Falkland Fife	goo
220	Co Ltd	Kirkintilloch	br		Lambeth		Bridge	London	goo
25828	Co Ltd	Kirkintilloch	br		(Conway)		A55	Wales	exc
27565	Co Ltd	Kirkintilloch	bu		front		Street	Ayrshire	goo
27263	Co Ltd	Kirkintilloch	bu		Lothian		House	Edinburgh	exc
474	Co Ltd	Kirkintilloch	bu		façade (lost?)		Sons	Renfrewshire	not
26482	Co Ltd	Kirkintilloch	bu		County		Cross	Yorkshire	exc
573	Co Ltd	Kirkintilloch	bu		Burton's		King Street ?	Gloucestersh	goo
482	Co Ltd	Kirkintilloch	bu		Gallowgate		Commercial	Glasgow	stat
481	Co Ltd	Kirkintilloch	bu		front		building	Devon	not
480	Co Ltd	Kirkintilloch	bu		Burton's		London Road	Liverpool	lost
478	Co Ltd	Kirkintilloch	bu		Trent		Burton's Ltd	Stoke-on-	not
477	Co Ltd	Kirkintilloch	bu		bank window		China	Singapore	exc
476	Co Ltd	Kirkintilloch	bu		Rio de		Mexican	Rio de	not
467	Co Ltd	Kirkintilloch	bu		White City		City	London	not
475	Co Ltd	Kirkintilloch	bu		Burton's		not identified	Lancashire	not
471	Co Ltd	Kirkintilloch	bu		Burton's		/ Eldon Street	South	goo
470	Co Ltd	Kirkintilloch	bu		Co-op façade		Society	Nottinghams	not
469	Co Ltd	Kirkintilloch	bu		Bexley		Mansions	London	not
468	Co Ltd	Kirkintilloch	bu		Home		Brewery	Daybrook	not
465	Co Ltd	Kirkintilloch	bu		Connaught		House	London	goo
464	Co Ltd	Kirkintilloch	bu		Burlingham		Burlingham	Lancashire	not
463	Co Ltd	Kirkintilloch	bu		Bombay		Bank	Bombay	not
462	Co Ltd	Kirkintilloch	bu		Burton's		Burton's	Kent	not
28292	Co Ltd	Kirkintilloch	bu		Rangers		Rangers F.C.	Glasgow	lost
461	Co Ltd	Kirkintilloch	bu		Mallows &		St	London	exc

460	Co Ltd	Kirkintilloch	bu		Fulham PS		Fulham	London	not
27096	Co Ltd	Kirkintilloch	bu		shop front 2		Atholl Street	Perthshire &	goo
466	Co Ltd	Kirkintilloch	bu		Façade		not identified	0	not
487	Co Ltd	Kirkintilloch	ec		Masonic		Temple 34	West	lost
26354	Co Ltd	Kirkintilloch	ec		Wells		Street The	Wells Powys	exc
479	Co Ltd	Kirkintilloch	ec		former		Theatre	Edinburgh	lost
26572	Co Ltd	Kirkintilloch	ec	476	Glenesk		High Street	Angus	goo
184	Co Ltd	Kirkintilloch	fd		King's Park		entrance	Stirling	exc
180	Co Ltd	Kirkintilloch	fd		Newcraighall		Newcraighall	Edinburgh	goo
25696	Co Ltd	Kirkintilloch	fd		drinking	C	The Square	Moray	goo
25848	Co Ltd	Kirkintilloch	fd		Burngreen		Peace Park	Lanarkshire	poo
221	Co Ltd	Kirkintilloch	fd		Peel Park		Park	East	goo
222	Co Ltd	Kirkintilloch	fd		Stoke green		Binley Road	Coventry	stat
27128	Co Ltd	Kirkintilloch	ga		Culmington		B4365	nr Ludlow	goo
28251	Co Ltd	Kirkintilloch	ga	92	Museum		Museum	Durham	goo
223	Co Ltd	Kirkintilloch	ga		Hyde Park		Hyde Park	London	goo
224	Co Ltd	Kirkintilloch	ga		Pier gates		Victoria Pier	of Man	lost
27826	Co Ltd	Kirkintilloch	ga	99	Stewart		York Road	Stewart	exc
27106	Co Ltd	Kirkintilloch	ga		gate 1		Lenzie Road	East	stat
27864	Co Ltd	Kirkintilloch	ga	75	gates 03		Lewis Street	Dumfries &	goo
28096	Co Ltd	Kirkintilloch	ga	91	Goathill Road		/ Leverhulme	Lewis	exc
26202	Co Ltd	Kirkintilloch	ga	91	Marine		Terrace	Highland	goo
170	Co Ltd	Kirkintilloch	ga		Peel Park		Peel Park	East	exc
27146	Co Ltd	Kirkintilloch	ga		gate 1		Road	Midlothian	goo
459	Co Ltd	Kirkintilloch	gl		Wells		?	Wells Kent	not
27112	Co Ltd	Kirkintilloch	la	146	Provost lamp		Museum	East	exc
26267	Co Ltd	Kirkintilloch	la		'provost'		Clyde Square	Inverclyde	goo
27502	Co Ltd	Kirkintilloch	la		Battery Place		Battery Place	Argyll & Bute	goo
27837	Co Ltd	Kirkintilloch	la	4	Stewart		York Road	Stewart	goo
27487	Co Ltd	Kirkintilloch	ot		services box		Clyde Square	Inverclyde	stat
27113	Co Ltd	Kirkintilloch	ot		Lion foundry		Museum	East	exc
28314	Co Ltd	Kirkintilloch	ra		104 Lord		Mansions	Lancashire	goo
28257	Co Ltd	Kirkintilloch	ra	91	Museum		Museum	Durham	exc
28255	Co Ltd	Kirkintilloch	ra	476	Museum		Museum	Durham	exc

28252	Co Ltd	Kirkintilloch	ra	461	Museum		Museum	Durham	exc
28042	Co Ltd	Kirkintilloch	ra	461	railings 31		Road	Dumfries &	goo
27129	Co Ltd	Kirkintilloch	ra		Culmington		B4365	nr Ludlow	goo
27847	Co Ltd	Kirkintilloch	ra	548	railings 06		Lewis Street	Dumfries &	goo
28860	Co Ltd	Kirkintilloch	ra	462	railings 5		Street	Perthshire &	goo
27448	Co Ltd	Kirkintilloch	ra		balcony		High Street	Angus	goo
27831	Co Ltd	Kirkintilloch	ra	407	Stewart		York Road	Stewart	goo
28415	Co Ltd	Kirkintilloch	ra		Olaf Street		St Olaf Street	Shetland	goo
27254	Co Ltd	Kirkintilloch	ra		Norham		Gardens	Oxfordshire	exc
27141	Co Ltd	Kirkintilloch	ra		railing 1		Road	Midlothian	goo
26203	Co Ltd	Kirkintilloch	ra	476	Marine		Terrace	Highland	goo
26654	Co Ltd	Kirkintilloch	ra	461	Goathill Road		/ Leverhulme	Lewis	goo
28439	Co Ltd	Kirkintilloch	ra	477 & 93	Hillhead		Gladstone	Shetland	exc
216	Co Ltd	Kirkintilloch	sh		pier shelter		South Pier	Lancashire	lost
26248	Co Ltd	Kirkintilloch	sh		shelters		Pier precinct	Argyll & Bute	goo
217	Co Ltd	Kirkintilloch	sh		shelter		not identified	Tyne & Wear	not
570	Co Ltd	Kirkintilloch	sh		shelter		shoreside	Argyll & Bute	stat
28131	Co Ltd	Kirkintilloch	sh		tram shelter		Grove	Northampton	stat
206	Co Ltd	Kirkintilloch	sh	58	Lyne shelter		not identified	Lyne	lost
208	Co Ltd	Kirkintilloch	sh		Crow Nest		Park	West	goo
26158	Co Ltd	Kirkintilloch	sh		shelter 2		Tramway	Derbyshire /	goo
28130	Co Ltd	Kirkintilloch	sh		tram shelter		Racecourse	Northampton	stat
214	Co Ltd	Kirkintilloch	sh		shelter (north		Promenade	Lancashire	fair
27517	Co Ltd /	Kirkintilloch /	ec		Mount Stuart		Road	Argyll & Bute	goo
55	Co Ltd /	Kirkintilloch	ba	279	Town Park		Town Park	Hampshire	goo
213	Co Ltd ?	Kirkintilloch	ba		Groves		/ The Groves	Cheshire	goo
26425	Co Ltd ?	Kirkintilloch ?	bc		Theatre		Walk	Hampshire	goo
27035	Co Ltd ?	Kirkintilloch ?	bu		Burtons		High Street	Clackmanna	at ri
26477	Co Ltd ?	Kirkintilloch	bu		Burton		Old Market	Yorkshire	goo
26341	Co Ltd ?	Kirkintilloch ?	bu		Burton's		Castle Place	Northern	exc
109	Co Ltd ?	Kirkintilloch ?	bu		window		King Street	Stirling	goo
28260	Co Ltd ?	Kirkintilloch	ec		Museum Co-		Museum	Durham	goo
26150	Co Ltd ?	Kirkintilloch ?	fd	25	Wollaton		Park	Nottingham	exc
27946	Co Ltd ?	Kirkintilloch	ga	247	Matheson		Road	Lewis	goo

27910	Co Ltd ?	Kirkintilloch	ga		Kilsyth gate		Glasgow	Kilsyth	goo
27835	Co Ltd ?	Kirkintilloch	ga		Stewart		York Road	Stewart	goo
27188	Co Ltd ?	Kirkintilloch ?	la		lamp pillars 1		Queen's	Fife	exc
27503	Co Ltd ?	Kirkintilloch	ra		Battery Place		Regent Hotel	Argyll & Bute	goo
27836	Co Ltd ?	Kirkintilloch	ra		Stewart		York Road	Stewart	goo
27812	Co Ltd ?	Kirkintilloch	ra	247	railings 5		Stair Street	Dumfries &	goo
27843	Co Ltd ?	Kirkintilloch	ra	286	railings 02		Road	Dumfries &	goo
28449	Co Ltd ?	Kirkintilloch	ra		Olaf Street		St Olaf Street	Shetland	goo
27947	Co Ltd ?	Kirkintilloch	ra	247	Matheson		Road	Lewis	goo
27440	Co Ltd ?	Kirkintilloch	ra	286	railings 9		Street	Aberdeenshir	goo
28242	Co Ltd ?	Kirkintilloch	sh		urinal		Spa New	East	poo
27131	Co Ltd ?	Kirkintilloch ?	sh		Colyford		Station	Devon	exc
28008	Co Ltd ?	Kirkintilloch	sh		bus shelter		Ayr Street	Dumfries &	goo
448	Co Ltd ???	Kirkintilloch	ba	14	People's		Park Pery	Ireland	goo

cast iron	1931
cast iron	1939
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cast iron	1903
cast iron	1908

cast iron	1948
cast iron	1910
cast iron	1910
wrought iron	1911
cast iron	1897
cast iron	1912
cast iron	1931
cast iron	1900
cast iron	
cast iron	1932
cast iron	1957
cast iron	1925
cast iron	1930
cast iron	1934
wrought iron	1900
cast iron	1939
cast iron	1937
cast iron	1936
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cast iron	1951
cast iron	1927
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cast iron	1920
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cast iron	1900
cast iron	1937

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cast iron	1895

503	Moncur Ltd	Edinburgh	gl		Geilston		House walled	Argyll & Bute	goo
25910	Moncur Ltd	Edinburgh	gl		Stanley Park		Stanley Park	Liverpool	exc
528	Moncur Ltd	Edinburgh	gl		Sefton Park	1	Sefton Park	Liverpool	exc
25896	Moncur Ltd	Edinburgh	gl		Kingsknowes		Hotel	Scottish	exc
429	Moncur Ltd	Edinburgh	gl		Skibo Castle		Skibo Castle	Highland	exc
25797	Moncur Ltd	Edinburgh	la		Museum		Museum	Kimberley	goo
25978	Moncur Ltd	Edinburgh	la		Esplanade		Esplanade	of Glamorgan	stat
26913	Moncur Ltd	Edinburgh	la		'Provost'		(town centre)	Fife	goo
25864	Moncur Ltd	Edinburgh	la		Great		Southern	Aberdeen	goo
25922	Moncur Ltd	Edinburgh	la		'provost'		Town House	Scottish	goo
27378	Moncur Ltd	Foundry	la		Slateford		Road	Edinburgh	stat
27207	Moncur Ltd ?	Street	la		Balcarres		Street	Edinburgh	stat
27205	Moncur Ltd ?	Street	la		Balcarres		Street	Edinburgh	stat
26763	Bros	Edinburgh	bu		Berwick		High Street	Berwick East	goo
27223	Bros	Place	bu		Bread Street		Bread Street	Edinburgh	exc
28060	Bros	Edinburgh	bu		Church Hill		Morningside	Edinburgh	goo
26929	Bros	Edinburgh	bu		Roseburn		Terrace	Roseburn	goo
27273	Bros	Foundry	bu		Easter Road		Easter Road	Edinburgh	stat
28572	Bros	Edinburgh	bu		shopfront		High Street	Lothian	goo
27274	Bros	Foundry	bu		Easter Road		/ Rossie	Edinburgh	stat
26930	Bros	Edinburgh	bu		Roseburn		Terrace	Roseburn	goo
27225	Bros	Edinburgh	ga		Princes		Street	Edinburgh	stat
27282	Bros	Foundry	la		Polwarth		Polwarth	Edinburgh	exc
27335	Bros	Foundry	la		Ainslie Place		Ainslie Place	Edinburgh	goo
26054	Bros	Edinburgh	la		Promenade		Promenade	Lancashire	goo
28966	Bros	Foundry	la		pillars		North Pier	& Bute	exc
27343	Bros	Foundry	la		Market Street		etc	Edinburgh	goo
26070	Bros	Edinburgh	la		Bristo Square		(University)	Edinburgh	exc
27331	Bros	Foundry	la		Bristo Square		Bristo Square	Edinburgh	goo
26746	Bros	Edinburgh	la		Victoria		Bridge	East Lothian	exc
28071	Bros	Foundry	ot		Royal		Observatory	Edinburgh	goo
26745	Bros ?	Edinburgh	br		Victoria		Bridge	East Lothian	exc
26951	Bros ?	Edinburgh ?	bu		shopfront		Street	Highland	goo
27206	Bros ?	Street	la		Balcarres		Street	Edinburgh	stat

26730	Brothers	Foundry	ot		pavement		Station Road	Scottish	stat

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wrought iron	1900
wrought iron	1896
wrought iron	1868
wrought iron	
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cast iron	1896
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cast iron	1896
cast iron	1900
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cast iron	1902

27422	Steven & Co	Ironworks	ra		railings 4		Terrace	Aberdeenshir	goo
430	Steven & Co	Foundry	ba		Inch		North Inch	& Kinross	lost
28961	Steven & Co	Ironworks	bc		verandah		Hotel	& Bute	exc
28953	Steven & Co	Ironworks	fo		Morrab		Gardens	Cornwall	exc
26850	Steven & Co	Foundry	ga	921	Douglas		Road A713	Douglas	goo
27426	Steven & Co	Ironworks	ga		gate 4		Terrace	Aberdeenshir	goo
26124	Steven & Co	Foundry	la	85	His Majesty's		Theatre	Aberdeen	exc
28967	Steven & Co	Ironworks	la	1	railings		Caledonian	& Bute	exc
26852	Steven & Co	Foundry	ra	921	Douglas		Road A713	Douglas	goo
26098	Steven & Co	Ironworks	sh	4	Yard urinal		Carey Street	London	goo
25816	Steven & Co	Ironworks	fd		Botanical		Botanical	South	exc
28921	Steven & Co	Ironworks	ra		balcony		Road	Highland	goo
26622	Steven & Co	Glasgow ?	bc		shopfront		Road	Lincolnshire	stat
28963	Steven & Co	Ironworks	bo		roof		Hotel	& Bute	exc
27055	Steven & Co	Ironworks	bo		roof terminal		Mains Farm	Perthshire &	goo
28962	Steven & Co	Ironworks	bo		column		Hotel	& Bute	exc
27446	Steven & Co	Ironworks	ec		entrance		?	Angus	exc
28883	Steven & Co	Ironworks	la	47	bridge lamp		/ Penparcau	Wales	goo
25873	Steven & Co	Ironworks	ba		North Lodge		Park	Durham	stat
25952	Steven & Co	Ironworks	ba		Ilford		Park	Ilford	not
25706	Steven & Co	Ironworks	ba	Bandstand	bandstand		promenade?	Ireland	exc
42	Steven & Co	Ironworks	ba	5	Bang Pa		formal	Thailand	goo
25949	Steven & Co	Ironworks	ba	5	bandstand		not identified	Yorkshire	lost
231	Steven & Co	Ironworks	ba		The Quarry		The Quarry	Shropshire	exc
229	Steven & Co	Ironworks	ba		Duthie Park	B	Duthie Park	Aberdeen	goo
25950	Steven & Co	Ironworks	ba		bandstand		Gardens ?	Derbyshire	lost
230	Steven & Co	Ironworks	ba	1	on West		West Park	on West	exc
25951	Steven & Co	Ironworks	ba		bandstand		Park ?	Lancashire	poo
25957	Steven & Co	Ironworks	ba		Roker Park		Roker Park	Tyne & Wear	goo
25955	Steven & Co	Ironworks	ba		bandstand		not identified	Manchester	unk
25954	Steven & Co	Ironworks	ba		bandstand		not identified	where?)	lost
25953	Steven & Co	Ironworks	ba	5	bandstand		Promenade	East Sussex	lost
25731	Steven & Co	Ironworks	bc		balcony &		Meadowside	Cornwall	goo
28183	Steven & Co	Ironworks	bc		Museum		National	Grenada	goo

26566	Steven & Co	Ironworks	bl		station stair		Street Station	Renfrewshire	goo
28898	Steven & Co	Ironworks	bo		Garten roof		Deshar Road	Garten	exc
26697	Steven & Co	Ironworks	bo		Kelvingrove		Art Gallery &	Glasgow	exc
25929	Steven & Co	Ironworks	br		balustrades 1		platforms 1-4	& Kinross	goo
225	Steven & Co	Ironworks	br		Argyle Street		Central	Glasgow	goo
27623	Steven & Co	Foundry	bu		Hawksyard		Priory	Staffordshire	goo
25889	Steven & Co	Ironworks	ct		clock bracket		Square The	Scottish	exc
226	Steven & Co	Ironworks	ct		Mitcham		Fair Green	Greater	goo
28349	Steven & Co	Ironworks	ec		entrance		village centre	Caithness	goo
25733	Steven & Co	Ironworks	ec		Victoria Hotel		Cliff Road	Cornwall	goo
28356	Steven & Co	Ironworks	ec		Wells		(now moved)	Wells Kent	goo
28895	Steven & Co	Ironworks	ec		Garten		Deshar Road	Garten	exc
28896	Steven & Co	Ironworks	ec		Garten		Deshar Road	Garten	exc
171	Steven & Co	Ironworks	ec		Rutherglen		Town Hall	Rutherglen	exc
26045	Steven & Co	Ironworks	ec		239 Lord		Scarisbrick	Lancashire	goo
26043	Steven & Co	Ironworks	ec		339 Lord		Ponden Mill	Lancashire	goo
28897	Steven & Co	Ironworks	ec		Garten		Spey Avenue	Garten	exc
228	Steven & Co	Ironworks	fd		Kay Park	B	Kay Park	East Ayrshire	poo
25921	Steven & Co	Ironworks	fd		'The Dean's		Mid Links	Angus	exc
512	Steven & Co	Ironworks	fd		Leith drinking		Leith	Leith	lost
25764	Steven & Co	Ironworks	fo		Street		Corn	Lanarkshire	lost
25765	Steven & Co	Ironworks	fo		ornamental		Park	Scottish	goo
28793	Steven & Co	Ironworks	fo		Cathedral		Square ex	Glasgow	lost
227	Steven & Co	Ironworks	fo		fountain	B	Esplanade	Ayrshire	goo
28092	Steven & Co	Ironworks	ga	2114	Goathill Road		Goathill Road	Lewis	goo
233	Steven & Co	Ironworks	ga		gates &		Victoria Road	Tyne & Wear	fair
25899	Steven & Co	Ironworks	ga	2097	Church gates		Presbyterian	Caithness	poo
28105	Steven & Co	Ironworks	ga	2107	Goathill Road		Goathill Road	Lewis	goo
28095	Steven & Co	Ironworks	ga	2114	Goathill Road		Goathill Road	Lewis	goo
25856	Steven & Co	Ironworks	gl		People's		Green	Glasgow	exc
27345	Steven & Co	Ironworks	la		Leith tall		Shore etc	Leith	exc
28178	Steven & Co	Ironworks	la		Independenc		e Square	St Kitts West	exc
25763	Steven & Co	Ironworks	la		City		Square City	Glasgow	exc
25705	Steven & Co	Ironworks	la		lamp pillars		Monkstown	Ireland	goo

359	Steven & Co	Ironworks	la		Mid-links		Mid Links	Angus	poo
234	Steven & Co	Ironworks	la		Camden		Square	London	fair
161	Steven & Co	Ironworks	la		Trafalgar		Street	Gloucestersh	goo
93	Steven & Co	Ironworks	la		Smith Gallery		Dumbarton	Stirling	fair
26055	Steven & Co	Ironworks	ot		pier ironwork		buildings	Lancashire	goo
28594	Steven & Co	Ironworks	ot		electrical box		Heritage	North	goo
25808	Steven & Co	Ironworks	ra		railing		main street	Prince Albert	exc
25898	Steven & Co	Ironworks	ra	2097	Church		Presbyterian	Caithness	stat
26655	Steven & Co	Ironworks	ra		Goathill Road		(also	Lewis	goo
26798	Steven & Co	Foundry	ra	2114	06		/ Kenneth	Caithness	goo
27072	Steven & Co	Ironworks	ra	2091	railings &		Market Place	Scottish	goo
27438	Steven & Co	Iron Works	ra	2113	railings 7		Street	Aberdeenshir	goo
28184	Steven & Co	Ironworks	ra		Museum		National	Grenada	goo
28101	Steven & Co	Ironworks	ra	2107	Goathill Road		Goathill Road	Lewis	goo
28094	Steven & Co	Ironworks	ra		Goathill Road		Goathill Road	Lewis	goo
28103	Steven & Co	Ironworks	ra	2114	Goathill Road		/ Churchill	Lewis	goo
25967	Steven & Co	Ironworks	sh		shelter		not identified	Yorkshire	not
25966	Steven & Co	Ironworks	sh		Sea shelter		not identified	Sea Margate	not
25965	Steven & Co	Ironworks	sh	16	shelter (lost)		Cromer Pier	Norfolk	lost
25964	Steven & Co	Ironworks	sh	17	shelter (lost?)		not identified	Cheshire	not
25963	Steven & Co	Ironworks	sh		shelter(s)		Promenade ?	Dorset	lost
25961	Steven & Co	Ironworks	sh	17	shelter (lost)		Promenade ?	Wales	unk
25960	Steven & Co	Ironworks	sh		shelter (lost?)		Promenade ?	Conwy	not
25959	Steven & Co	Ironworks	sh		n		Promenade	n Conwy	lost
25968	Steven & Co	Ironworks	sh		shelters		Promenade	Anne's	goo
28770	Steven & Co	Ironworks	sh		Hesketh Park		Hesketh Park	Lancashire	goo
25962	Steven & Co	Ironworks	sh		shelter		not identified	Staffordshire	not
565	Steven & Co	Ironworks	ct		Harlesden		High Street	Harlesden	goo
26617	Steven & Co	Ironworks	bc		shopfront		Road	Lincolnshire	stat
26811	Steven & Co	Ironworks	ec		entrance		Road	Ceredigeon	goo
27599	Steven & Co	Iron Works	ga		Mallaig gate		Annies Brae	Highland	goo
26709	Steven & Co	Ironworks	la		former		Venlaw Hotel	Scottish	exc
28104	Steven & Co	Ironworks	ra		Goathill Road		/ Chuchill	Lewis	goo
27858	Steven & Co	Ironworks	ra		railings 18		London Road	Dumfries &	goo

27436	Steven & Co	Iron Works	ra	2097	railings 5		Street	Aberdeenshir	goo
27590	Steven & Co	Iron Works	ra		railing 1		Annies Brae	Highland	goo
28540	Steven & Co	Ironworks	ra		Clevedon		Drive	Glasgow	exc
27508	even & Co	Ironworks	bc		Glenburn		Road /	Argyll & Bute	exc
27093	even & Co	Ironworks	fo		indoor		property	Kinross	stat
27455	even & Co	Ironworks	sh		urinal		Paul's Parish	Lancashire	exc
27621	even & Co	Iron Works	la		pillars		etc	Bristol	exc

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wrought iron	1896
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8.2 Appendix 2

List of Scottish manufacturers of architectural ironwork

This list is compiled from archive information or identified structures or objects via the Scottish Ironwork project. There is obviously a wide variation is scale of operation, and how much of each firm's business was focused on architectural work. Only those firms which appear to have undertaken a reasonable volume or architectural and ornamental work of quality or note are recorded.

Company Name	Foundry Name	Dates of Operation	Location
A & J Main & Co	Possil Ironworks	1866 - 1969	Glasgow
A & L Clark			Glasgow
A Ballantine & Sons	New Grange Foundry	1856 -	Boness
A Locke			Edinburgh
A McLeod & Co			Glasgow
A Stewart & Co			Glasgow
Aimers McLean & Co Ltd	Waverley Ironworks Galashiels		Galashiels
Alex Russell	Kirkcaldy Foundry		Kirkcaldy
Alloa Iron Company	Sun Foundry Alloa		Alloa
Anderson	Leith Walk Foundry Edinburgh	1790 – 183?	Edinburgh
Ballantine & Co		1856 -	Boness
Barry, Henry & Cook Ltd	Loch Street Aberdeen		Aberdeen
Bo'ness Iron Co Ltd	Dock Foundry Bo'ness		Boness
Brownlee and Murray	Possil Ironworks	1880 – 198?	
Burnbank Foundry	Burnbank Foundry Falkirk	1860 - ?	Falkirk
C Laing & Sons	Beaverbank Foundry Edinburgh	1920 -	Edinburgh
C Macfarlane			Dundee
Callender Iron Co	Callender Ironworks	1876 - 1964	Falkirk

Cameron & Roberton Ltd	Southbank Ironworks Kirkintilloch	1867 - 1981	Kirkintilloch
Carron Company	Carron Stirlingshire	1759 - 1982	Carron
Charles D Young & Co		1834 - 1874	Edinburgh /Perth
Charles Robertson	Richmond Foundry Edinburgh		Edinburgh
Christie & Smith	Atlas Foundry Glasgow		Glasgow
Cruikshank & Co			Denny
David King & Sons	Keppoch Ironworks Glasgow	1873 - 1968	Glasgow
David M Tyre & Son	Glasgow	1901 - 1948	
Dobbie Forbes & Co	Hecla Foundry	1872 - 1963	Glasgow and Banknock
Dorrator Iron Co	Dorrator	1898 - ?	Falkirk
Dundee Foundry Company			Dundee
Falcon Iron Works	Falcon Foundry Inverness		Inverness
Falkirk Iron Co		1810 - 1981	Falkirk
Frederick Braby & Co Ltd	Eclipse Works Glasgow		Glasgow
G Anderson & Co			Arbroath
G B Smith & Co			Glasgow
G Souter			Elgin
George Douglas	Broughton Foundry Edinburgh		Edinburgh
George Smith & Co	Sun Foundry Glasgow	1857 - 1899	Glasgow
Glenfield & Kennedy Ltd	Glenfield Kilmarnock		Kilmarnock
Goodwins, Jardine & Co Ltd			Motherwell
Gowanbank	Gowanbank Foundry	1876 - ?	Glasgow
Grahamston Iron Co		1868 - 1994	Falkirk

Hanna Donald & Wilson	Abercorn Foundry Paisley		Paisley
Hill Brothers	Sun Foundry Alloa		Alloa
I & J Ferguson			Tayport
Inverness Iron Co			Inverness
J & A Law	Pinkston	1858 - 1962	Glasgow
J & R Howie			Hurlford
J Affleck			Dumfries
J Black	Albert Foundry Leith		Edinburgh
J Boyd & Sons			Paisley
J Bruce	Pulteney Foundry Wick		Wick
Jackson Elphick and Co		1881 - ?	Falkirk
James Allan	Elmbank Foundry Glasgow	1839 - 1937	Glasgow
James Davie & Sons & Ltd	Cornton Foundry Stirling	1887 - 1971	Stirling
James Goodwin & Co			Ardrossan
James Horn			Kirkcaldy
James Laidlaw			Glasgow
James Neilson	Neilson Foundry		Glasgow
James Ross			Edinburgh
Kelso Foundry			Kelso
Kerr and Co	Caledonia Foundry	1873 - 1960	Glasgow
Laidlaw & Sons Ltd			Glasgow
Lane & Girvan		1904 - 1977	Falkirk
Lion Foundry Co	Lion Foundry Kirkintilloch	1880 - 1984	Kirkintilloch
M Cockburn & Co	Gowanbank Works	1864 - 1977	Falkirk
Mackenzie & Moncur	Slateford Foundry	1869 - 1998	Edinburgh
McCallum & Hope	Ruchill Ironworks Glasgow	1873 - ?	Glasgow
McDowall Steven & Co	Milton Ironworks Glasgow	1834 - 1963	Glasgow / Falkirk
Meiklejon	Westfield Ironworks Dalkeith		Dalkeith

Merchiston Foundry Ltd	Merchiston Foundry	1911 - 1985	Edinburgh
Millar, Crosswaite and Smith	Camelon Iron Co	1845 - 1950	
Mitchell & Carlaw	Alpine Iron Works Glasgow	1875 - 1883	Glasgow
Montrose Foundry	Montrose Foundry	1947 -	Montrose
Moses McCulloch & Co	Cumberland Foundry Glasgow	1831 - 1868	Glasgow
Mushet Iron Co	Dalkeith Iron Foundry		Edinburgh
Oak Foundry	Oak Foundry Glasgow	1874 - 1885	Glasgow
P & R Fleming & Co	Glasgow & Partick		Glasgow
P & W MacLellan	Clutha Ironworks Glasgow	1822 - 1978	Glasgow
P Bell & Sons		1900 - 1910	Edinburgh
Rankin & Blackmore Engineers	Eagle Foundry Greenock	1862 - ?	Greenock
Ritchie Watson & Gow	Etna Foundry Glasgow	1854 - 1964	Glasgow
Robert Laidlaw & Son	Alliance Foundry	1853 - 1931	Glasgow
Robertson & Lister	Victoria Foundry Glasgow	1850 – 187?	Glasgow
Rose Street Foundry Co	Rose Street Foundry Inverness	1872 - ?	Inverness
Ross Foundry Co	Ross Foundry		Tain
Shotts Iron Co		1801 - 1946	Shotts
Shotts Iron Co	Shotts Foundry		Edinburgh
St Andrews Foundry	St Andrews Foundry		St Andrews
St John's Foundry	St John's Perth		Perth
St Ninians Foundry	St Ninians Foundry		Stirling
Star Foundry	Kirkintilloch	1861 - 1867	Kirkintilloch
Thomas Aimers	Aimers Mclean	1790 - ?	Galashiels
Thomas Tait			Edinburgh
W Smith & Son	Ness Iron Works Inverness		Inverness

Walter Macfarlane & Co	Saracen Foundry Glasgow	1850 - 1968	Glasgow
Watson, Gow & Co	Etna Foundry Glasgow	1854 - 1981	Glasgow
Wm Bain & Co	Lochrin Ironworks	1859 -	Coatbridge

8.3 Appendix 3

Scottish Architectural Iron Founding Matrix

The matrix shows the development and inter-relationships of firms pictorially from the founding of Carron in 1759 to 2000. A time reference is shown on the Y axis, with dates of operation for particular firms displayed along with key technological events, and where there is a commercial or personnel link between firms.