

M072 Glasgow Herald Buildings

Introduction

The major alterations and additions to the Buchanan Street offices of the *Glasgow Herald* newspaper were one of John Honeyman & Keppie's biggest jobs, and one of the outstanding commercial building projects of 1890s Glasgow. The main element (phase 3 in John Honeyman & Keppie's job book) was a large new building at the rear in Mitchell Street. The job books also record a number of smaller, self-contained schemes for fitting out individual offices, and for other alterations.

Authorship: Mackintosh himself claimed responsibility for the Mitchell Street building. His handwriting is on many of the surviving drawings, at least one contemporary architectural periodical ascribed the 'individuality' of the design to him, and the architect W. S. Moyes, who later worked in Honeyman, Keppie & Mackintosh's office, stated the Glasgow Herald was Mackintosh's design.¹ However, it is extremely unlikely that such an important commission would have been placed entirely in his hands while he was still a young assistant, and there must have been substantial input from John Keppie, and possibly John Honeyman.

Alternative addresses: 7 Mitchell Lane 60–76 Mitchell Street

Cost from job book: Phase 1: £357 1s 10½d; Phase 2: £132 14s 0d; Phase 3: £64,210 13s 5d; Phase 4: £537 6s 5d; Phase 5: £5033 9s 2d; Phase 6: £3065 4s 5d; Phase 7: £107 17s 6d; Phase 8: £3971 16s 7d

Status: Partly demolished, partly converted to new uses

Current name: The Lighthouse

Current use: Shops, offices, bar, exhibition space(2014)

Listing category: A: 63–69 Buchanan Street; A: 60–76 Mitchell Street

Historic Scotland/HB Number: 32994 (63–69 Buchanan Street); 33087 (60–76 Mitchell Street)

RCAHMS Site Number: NS56NE 294 (63–69 Buchanan Street); NS56NE 419 (60–76 Mitchell Street); 419 NS56NE 718 (7 Mitchell Lane)

Grid reference: NS 58960 65224 (63–69 Buchanan Street); NS 58924 65239 (60–76 Mitchell Street); NS 5894 6522 (7 Mitchell Lane)

Chronology

1880

29 November: The *Glasgow Herald* takes possession of new offices at 65 Buchanan Street, designed by Campbell Douglas & Sellars.¹

1892

26 May: Plans for small addition to 'office at back of lane' approved by Glasgow Dean of Guild Court.²

7 August: Neighbouring building at S.E. corner of Mitchell Street and Mitchell Lane destroyed by fire.³

September: Small rear addition in progress.⁴

October: John Honeyman & Keppie employed to repair fire damage.⁵

1893

19 July: Site of fire at corner of Mitchell Street and Mitchell Lane to be auctioned.⁶

1894

8 February: Plans for new building on site of fire approved by Glasgow Dean of Guild Court, plus additions and alterations to warehouses.⁷

10 March: Putting in concrete foundations of N. part of Mitchell Street building.⁸

10 October: 'Building fourth storey and at concrete floors' of N. part of Mitchell Street building.⁹

1895

8 March: 'Building tower and chimney stalk' of N. part of Mitchell Street building. ¹⁰

18 April: Roof of N. part of Mitchell Street building in progress. ¹¹

14 August: Work starts on alterations to old building in Mitchell Lane. ¹²

27 September: New joists and lintels being fitted in old Mitchell Lane building. ¹³

1896

20 February: Work about to start on S. part of Mitchell Street building. ¹⁴

26 March: Fitting up interior of old Mitchell Lane building. ¹⁵

21 April: At work on basement of S. part of Mitchell Street building. ¹⁶

13 August: Plans for 'middle building' approved by Glasgow Dean of Guild Court. ¹⁷

September–October: Slating roof and plastering interior of S. part of Mitchell Street building. ¹⁸

1897

13 January: 'Well advanced with finishing' S. part of Mitchell Street building. ¹⁹

14 January: Further plans for 'middle building' and internal remodelling of Buchanan Street building approved by Glasgow Dean of Guild Court. ²⁰

2 March: Alterations to Buchanan Street building in progress. ²¹

15 April: Foundations of 'middle building' being dug. ²²

17 November: 'Middle building' ready for roofing. ²³

1898

18 February: Plastering and finishing of 'middle building' in progress. ²⁴

1899

May: Remodelled Buchanan Street public offices reopened. ²⁵

1920s

Cartway removed from Mitchell Street building. ²⁶

1980

July: *Glasgow Herald* moves to new premises in Albion Street. ²⁷

1992

11 February: Planning permission granted for redevelopment of former *Glasgow Herald* premises. ²⁸

1993

Buchanan Street building to be demolished and rebuilt behind preserved facade. ²⁹

1994

November: Glasgow named 'UK City of Architecture & Design 1999', under an Arts Council initiative associating individual cities with different artistic activities in the years running up to the millennium. Glasgow's bid for the title includes a proposal to create a permanent exhibition space for architecture and design.

1995

Following a limited competition, Page & Park of Glasgow are selected as architects to convert the Mitchell Street building into a centre for architecture and design, to be called The Lighthouse. ³⁰

1997

October: Heritage Lottery Fund awards £3.5 million towards conversion. ³¹

November: Conversion work begins on site. ³²

1998

March: Competition for design of Mackintosh Interpretation Centre on the third floor of The Lighthouse. Won by Gareth Hoskins Architects, Glasgow. ³³

1999

7 July: The Lighthouse officially opened by H.M. Queen Elizabeth II. ³⁴

Description

Origins

The *Glasgow Herald*, first published in 1783, moved from St Vincent Place to Buchanan Street on 9 November 1868. ¹ First the rear part of its new premises, stretching back as far as Mitchell Street, was rebuilt to house the newspaper's despatch department and machine rooms; then, between 1878 and 1880, the front offices (now 63–69 Buchanan Street) were replaced with an imposing classical block designed by James Sellars of Campbell Douglas & Sellars. ²



Sellars died in 1888, and his former assistant John Keppie entered into partnership with John Honeyman. Keppie's association with Sellars was presumably the reason why George Outram & Co., the publishers of the *Glasgow Herald*, turned to John Honeyman & Keppie to design a minor addition at the rear of the Buchanan Street building in May 1892. On 7 August that year, an adjoining building at the S.E. corner of Mitchell Lane and Mitchell Street was destroyed in a blaze that also damaged the Herald building, and again John Honeyman & Keppie were employed to make repairs. ³ But the fire provided an opportunity for much more extensive changes, and when the corner site was offered for sale the following year, it was acquired by Outram's, paving the way for a general enlargement and rebuilding that would occupy John Honeyman & Keppie until 1899. ⁴

This redevelopment had four distinct elements: internal alterations to the Buchanan Street offices; the remodelling and upward extension of an existing block on the S. side of Mitchell Lane; a large new 'middle building' in the centre of the site; and – the most important addition – a very large new building in Mitchell Street on the site of the 1892 fire. Completion was celebrated with a full-page illustrated feature, published in the *Glasgow Herald* to mark the opening of its remodelled Buchanan Street offices. ⁵



Mitchell Street building

Function

The basement of the Mitchell Street building housed printing presses, and the ground floor of the S. half contained the despatch room; an L-shaped cartway running from Mitchell Street to Mitchell Lane divided it in two at ground level, giving access for vans to collect the day's newspapers. Space was also provided for the editorial department of the sister paper, the *Evening Times*. ⁶ The rest of the building was intended as income-generating lettable space to be rented out for shops or offices (a photograph published in 1900 shows a 'To Let' sign prominently displayed above the Mitchell Street entrance), but over time it was entirely taken over for newspaper use. The corner tower housed a water tank for the sprinkler system.



Construction timetable

The two halves were built in separate phases: first, between March 1894 and April 1895, came the N. half, including the water tower and main stairs, followed by the S. half between February 1896 and January 1897. Accommodation in the first phase was already being marketed in January 1895, and in the second by the middle of November 1896. ⁷

Authorship

'The whole of the buildings have been designed ... by John Honeyman & Keppie', wrote the *Herald* in 1899, referring to the entire newspaper complex, 'and the work has been carried out under the personal supervision of Mr. Keppie.' ⁸ There is no reason to doubt that such an important project would have been closely supervised by one of the firm's partners, and the Mitchell Street building has features in common with other John Honeyman & Keppie projects of the 1890s that can be tentatively grouped together as Keppie's work. The ground-floor openings with their cast-iron lintels in particular recall the Cheapside grain store and the Skin and hide market in Greendyke Street. However, in a letter written to Hermann Muthesius while the Herald complex was still in progress, Mackintosh claimed responsibility for the design of the Mitchell Street building, and regretted that his role could not be publicly acknowledged because he was

merely an employee and not a partner:

Although the building in Mitchell Street here was designed by me the Architects are or were Messrs Honeyman & Keppie – who employ me as assistant. So if you reproduce any photographs of the building you must give the architects' name – not mine. You will see that this is very unfortunate for me, but I hope when brighter days come I shall be able to work for myself entirely and claim my work as mine. Berlin, Werkbundarchiv, Museum der Dinge: Hermann Muthesius Estate, letter from Mackintosh to Hermann Muthesius, 11 May 1898.

It is possible that Mackintosh was overstating his creative role, but a number of design features that recur elsewhere in his work make an early appearance in the Mitchell Street building, and his handwriting appears very extensively on many of the working drawings. An anonymous correspondent writing for the *Builders' Journal and Architectural Engineer* in 1895 detected Mackintosh's 'individuality' in the treatment of the tower especially.¹⁰



Exterior

This was one of a new breed of high-rise commercial blocks that came to dominate the centre of Glasgow in the 1890s, made possible by the introduction of electric lifts and structural steel. With their towering facades of red Locharbriggs sandstone, these new arrivals transformed the urban scene in a way that impressed contemporary observers such as the authors of *Glasgow in 1901*:

The last few years have seen a change come over the town; to-day the eye is uplifted at every turn by great picturesque erections of red stone that are adding a kind of jocund quality to the life of our streets, like good-humoured red-faced giants in ranks of rather pallid men. Within a radius of half a mile from the Exchange ... the newest comers are breaking up the skyline with an almost startling variety of profile. James Hamilton Muir, *Glasgow in 1901*, Glasgow and Edinburgh: William Hodge & Co., 1901, pp. 139–40.

The principal front to Mitchell Street is framed by matching gabled bays, while a narrower, off-centre gabled bay contains the entrance to the upper floors and marks the internal division into N. and S. halves.



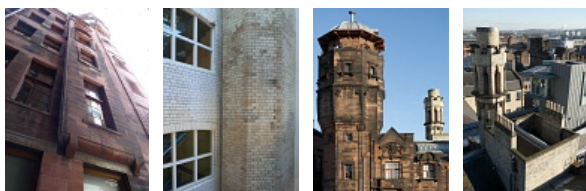
Very large windows separated by square piers fill the ground floor. These openings are mostly square headed, with cast-iron lintels resting on corbels, but three round-arched openings correspond to the former cartway and the despatch room.



The windows above vary in shape between floors – vertical openings grouped in two and threes, or single, broad openings with square or shallow-arched heads – but they are consistent within each floor. For the most part they are treated simply, with minimal mouldings, the small-paned casements deeply recessed to emphasise the thickness of the wall. A strong cornice cuts right across below the top two floors. Parts of these floors are set back slightly behind a parapet, sections of which sweep down to become shallower in front of the windows (like the later boundary walls at the Glasgow School of Art and Scotland Street School). On the top floor, pedimented dormers with boldly projecting eills create a richly textured skyline. The increasing projection and elaboration of the building as it rises through its cliff-like lower floors to its craggy top stage is similar in overall feeling, though not in detail, to a 17th-century Scottish tower house.



The N. elevation, overlooking narrow Mitchell Lane, is similar but simpler. The E. elevation, facing the former cartway, is utilitarian, except for the polygonal boiler chimney that rises above the roof to an arcaded and battlemented top, making a striking contrast with the water tower.



The 44.5 m water tower at the corner of Mitchell Street and Mitchell Lane is the dominant feature, especially when viewed from West Nile Street to the N. Its great height was necessary to feed a system of 'roof drenchers' – perforated, galvanised iron tubes running along the roof ridges and window tops, capable of supplying 'a flowing shield of water' against flying sparks. 19th-century Buchanan Street had 'an unenviable notoriety for destructive fires', and on a number of occasions the Herald had narrowly escaped damage caused by fire spreading from neighbouring buildings. ¹² Internal sprinklers were first installed in 1888, and by early 1891 the external drenchers (devised by the paper's manager, Alexander Sinclair) were also in place. ¹³ They were extended to the buildings erected by John Honeyman & Keppie after 1894.



The water tower is kept within the footprint of the building, and has no separate identity until it emerges above the roofline, boldly corbelled out. Carved decoration at the angles of the upper stage gives it a slightly bulging profile, hinting at the 8000 gallon (36,369 litre) reservoir within. The crowning ogee-roofed turret, set back behind a parapet, has strong echoes of James MacLaren's 1887–9 tower for the High School of Stirling, a building that Mackintosh sketched. ¹⁴ Another of his sketchbooks contains what may be a preliminary or alternative design for the Herald tower, showing the distinctive ogee roof and undulating parapet. ¹⁵ At the S.E. corner, a substantial square chimney stack is partly embedded in the tower and rises above the level of the turret.

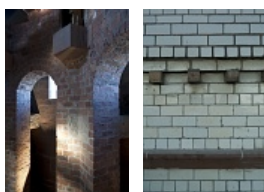


Interior

The door in the middle of the Mitchell Street facade led originally via an entrance passage to the service core of stairs, lift, toilets and boiler chimney, rising all the way to the attic. Aligned with the ground-floor entrance passage, a bank of walk-in safes and toilets on each floor continued the division into N. and S. halves. The corner tower contained a small octagonal room on each floor, but otherwise the upper storeys were open spaces, which could be subdivided by timber and glass partitions to suit the needs of tenants. Decorative finishes throughout appear to have been very simple. There were few fireplaces, heating being generally by steam pipes. Lighting was by electricity, generated on site and supplied to tenants 'at Lower Rate than that of the Corporation'. ¹⁶ Ventilation was assisted by the boiler chimney, a brick shaft enclosing an air chamber with an iron flue rising through it. Ducts connected this chamber with the Mitchell Street building, and the hot air rising around the flue created a draught that sucked out contaminated air. ¹⁷

Materials

The main elevations are of red Locharbriggs sandstone ashlar, above a basement of red granite. Where the plaster has been stripped from the internal walls, they can be seen to be of rubble and red brick. Surprisingly, red brick is used for the external wall of the turret too. The E. elevation and chimney are a mixture of buff and glazed white brick – useful for reflecting daylight in dark, confined spaces – with sandstone dressings.



The Mitchell Street building was described as 'fireproof' in the contemporary press. ¹⁸ The internal structure contains relatively little timber, being largely of incombustible steel, iron, concrete, brick and stone. Cast-iron columns with lobed capitals support the floors, which are composed of I-section rolled steel beams with I-section rolled iron joists laid on top.



The spaces between the joists are filled with concrete – the Arrol Bridge & Roof Co. supplied almost £1600-worth for the Mitchell Street and Mitchell Lane buildings – with wood used only for the floor boards. Such fire-resistant floors were widely used in commercial buildings by this date, a system of iron joists with concrete infill having been patented as early as 1844 by Henry Hawes Fox. ¹⁹ However, the concrete used for the Herald was said to be of a new and superior type, and a test was carried out at the unfinished building on 11 September 1895 to demonstrate its properties to an audience of insurers and architects. ²⁰ Invented by Mr Boyd Wilson of Messrs Arrol, it was made with diatomite, a clay-like mineral mined on Skye. Advertisements for space to let in the new building drew attention to its fire-resistant construction ('The floors are made of Special Concrete and Iron Joists ...'), and claimed that 'in consequence ... the Fire Insurance Companies take Discount off the ordinary rates'. ²¹ The roof trusses are of iron, with timber to carry the slates; the window frames are timber.



Style and decoration

The authors of *Glasgow in 1901* noted that the city's large new office buildings showed 'a growing tendency to accentuate the constructional lines'.²² This is true of the Mitchell Street building, where decoration is used sparingly, and where the main impression is not of surface richness but of sheer walls, disciplined into a grid by the unbroken verticals of the tower and downspouts and by strong horizontal divisions between the floors.

The distinctive stonecarving (by James Young) uses motifs familiar from Italian Renaissance architecture, but stretched and twisted in unfamiliar ways. The upper stage of the tower is given a slightly swelling, bulbous outline by extremely long, thin shields carved at the angles. With their stylised ribbons, they are derived from the heraldic shields sometimes carved at the corners of Italian Renaissance palaces (for example the early 16th-century Palazzo Guadagni, Florence, which Mackintosh sketched on his 1891 Italian tour).²³ The same motif occurs in Mackintosh's 1892 Glasgow School of Art Club invitation, and above the entrance hall doors at Craigie Hall (1893–4). At the Herald, however, the shields are stretched almost beyond recognition, and the ribbons have taken on a life of their own, somewhere between Gothic foliage and the whiplash curves of Art Nouveau.



The bosses below the shields, and the carving above the tower entrance and its flanking windows, are more purely abstract, but they too weave together forms derived from nature and from classical architecture.



Above the top-floor windows of the gabled end bays, the pediments incorporate pairs of balusters, elongated keystones and wiry scrolls, which again recall the Italian Renaissance fantasy of the 1892 invitation and have parallels in the woodwork of the Glasgow Art Club (1892–3) and the library at Craigie Hall.



Features derived from Scottish historical sources include the bell-shaped pediments of the dormer windows and their distinctive depressed ogee architraves, which recur in several John Honeyman & Keppie projects of the 1890s such as Martyrs Public School and the Queen Margaret College Anatomical Department.

Other features have no obvious historical precedent, and because they are echoed in Mackintosh's later work, it is tempting to see in them evidence of his creative involvement. The tower parapet is drawn up into hood-like peaks that look organic, as if the stone had grown naturally into this shape, and the upper corners of the central entrance bay are treated in the same way. They have parallels in the swelling shape of the aisle capitals at Queen's Cross Church, and in the mouldings above the first-floor windows on the W. facade of the Glasgow School of Art. The fourth-floor tower window has a single, central column supporting a transom that cuts across at the springing of the arch, a composition found in more developed form in the male staff room and headmaster's room at the art school.²⁴

With its severe lines and sparing use of novel ornamental details, the Mitchell Street building contrasts strongly with the mainstream of contemporary commercial architecture in Glasgow. A telling comparison can be made with T. L. Watson's nearby offices for the *Glasgow Citizen* newspaper at 24 St Vincent Place (1885–9).²⁵ The exuberant Franco-Flemish Renaissance facade is encrusted with carving, including the paper's name. Unlike these offices for the *Citizen*, however, the Mitchell Street building was not the public face of the *Glasgow Herald* – that role was already filled by Sellars's Buchanan Street block – and its relative simplicity may not have been an aesthetic choice so much as a response to its setting in a secondary street and its anonymous status as a largely speculative office block.



Critical reception

In describing its new premises, the *Glasgow Herald* stressed that practical considerations had determined its appearance, noting that the 'general design ... is based upon the requirements of the building, and is one in which these requirements have been provided without sacrifice to a most interesting structure'.²⁶



Mackintosh's perspective drawing was shown at the Glasgow Institute of the Fine Arts in 1894 (868), and again at the Royal Scottish Academy in 1895 (490). The *British Architect* published it in 1895, and praised in particular the building's austerity and restrained use of ornament:

This admirable drawing sets forth one of the most noticeable modern buildings in Glasgow, a building which may fairly claim to be a genuinely modern development, and – what so many even clever things miss – not innocent of a quality of proportion and emphasis such as makes architecture a thing independent of mere style. It is erected on a corner site bounded by Mitchell Street and Mitchell Lane. The streets unfortunately are very narrow, and this has been kept prominently in view, the vertical spaces being kept as simple as possible and not broken up more than is necessary by bands or mouldings. *British Architect*, 43, 8 February 1895, p. 94.

The following year, in a review of recent Glasgow architecture, the same journal ranked the Herald building – still under construction – along with J. J. Burnet's Athenaeum and William Leiper's Sun Insurance Offices as a building with which

there is little or nothing in other towns to compare ... [It] ranks first of any modern buildings we know of for boldness and originality of treatment allied with some sense of architectural dignity, good proportion and refined detail. It verges dangerously on the confines of pure eccentricity in parts [here the reviewer was perhaps thinking of the carving] but that does not sensibly injure its architectural quality. That this kind of building, designed for the most part with severe restraint, need not be unpicturesque is amply evidenced by the striking angle tourelle crowned by a flat outlined cupola. *British Architect*, 46, 30 October 1896, p. 305.

The *Builders' Journal* too was struck by the tower, and went so far as to ascribe its unusualness to Mackintosh: 'The design of the building is interesting, and displays, more especially in the treatment of the Tower, the individuality of Mr Chas. R. McIntosh. While reserving an opinion on much of the detail, which is novel to the verge of eccentricity, one may without hesitation express unqualified admiration at the successful effort which has been made to depart from anything hackneyed or jejune.'²⁹

All these reviews were written before construction of the S. half, but by 1898 the *Builder* could appraise the completed building in a wide-ranging overview of Glasgow architecture. It thought Sellars's Buchanan Street offices for the *Herald*:

worthy of note, if only to contrast their correct classicism and wealth of detail with the curious, plain, but interesting building just erected for the same paper in Mitchell-street by Messrs. Honeyman & Keppie, in the very latest, entirely original, style, with big simple mouldings, long flat curves, and a heavy angle tower surmounted by an ogee roof so flat that hardly more than the edge is visible from anywhere in the immediate neighbourhood. 'The Architecture of our Large Provincial Towns: XVI, Glasgow', *Builder*, 75, 9 July 1898, pp. 21–34.

Once again, Mackintosh's perspective drawing was used to illustrate the article.

But perhaps the most significant contemporary critical response came from Hermann Muthesius, who included the Herald building in his survey of recent British architecture, *Die englische Baukunst der Gegenwart*, published in Leipzig in 1900. This was among the earliest publications to bring Mackintosh's work before a continental European readership. As well as a dramatic photograph that emphasised the powerful skyline, Muthesius included a detailed plan of the ground floor and gave a thorough description of the interior layout (he mistakenly thought the upper floors were residential, misled perhaps by the term 'flats' used to describe these lettable storeys). Like the British critics, he admired the simple, bold composition of the facade while expressing reservations about its idiosyncratic details. Having been told by Mackintosh that the design must be credited to John Honeyman & Keppie, Muthesius nevertheless included a veiled reference to what he believed to be its true authorship: 'The singular composition of the building appears to have been shaped by the sentiments of the group of young Glasgow artists who in recent years have excelled themselves in the field of the applied arts with their distinctive achievements.'³¹

Remodelling of Mitchell Lane building

This appears to have been carried out at the same time as the Mitchell Street building, and involved adding a fifth storey and a new staircase to a pre-existing building.

'Middle building', and remodelling of Buchanan Street building

Plans for a new 'middle building' behind the Buchanan Street block were approved by Glasgow Dean of Guild Court on 13 August 1896, but construction did not begin until March the following year.³² Further plans had been approved by this time, on 14 January 1897, which may have included alterations to the Buchanan Street building. At any rate, work on the new middle building and alterations to the old Buchanan Street building proceeded together, and 'plastering and finishing' in both parts was in progress in January and February 1898.³³

Middle building

The middle building, demolished after 1980, seems to have comprised four floors of newspaper offices above a basement, and was linked to the Buchanan Street building on the E., the Mitchell Lane building on the N., and the Mitchell Street building on the W. These tall neighbours hid it from the surrounding streets, and its exterior was completely utilitarian. The internal structure was the same as that of the Mitchell Street building: cast-iron columns supporting floors of steel, iron and concrete, with a partly glazed roof on iron trusses.

It contained two office interiors (known from sketches published in 1899 and a later photograph) that show evidence of Mackintosh's involvement.³⁴ One of these, the Editor's Room, was in the S.E. corner of the first floor. The plans and elevations approved by the Dean of Guild Court show it with windows on the N. side only, overlooking a light well, but the illustration published in the *Glasgow Herald* in 1899 shows windows on the S. side too, flanking the fireplace, so the design must have been modified. The room was panelled, and had a plaster ceiling with interlacing mouldings and an overmantel incorporating book shelves, all in an unadventurous Renaissance style. However, the beaten metal canopy of the fireplace and the curvilinear leaded glazing in the lower part of the windows show an individuality that suggests they were designed by Mackintosh, and some of the doors have panels with asymmetrically curving tops, like his 1898–9 front door for 233 St Vincent Street.

Much more distinctive was the Manager's Room. Not shown on the 1896 Dean of Guild plans – the layout of the ground floor must have been modified after they were approved – it was located immediately below the Editor's Room. It was lit by a glazed roof over its E. end, and by tall windows with curvilinear glazing bars in the E. wall, which admitted borrowed light from the public office on the ground floor of the Buchanan Street building. Its walls were panelled with broad, butt-jointed planks, like the contemporary Glasgow School of Art, with incised squares used as decoration on the fireplace (the earliest known appearance of this important motif in Mackintosh's work).³⁵

Buchanan Street building

The ground floor of the original Buchanan Street building, part of which had been occupied by shops, was converted into a public office for the *Herald's* publishing and advertising departments. The entrance from Buchanan Street opened into a broad central passage flanked by monumental Renaissance arcades, with counters on each side. One of the architects' drawings indicates that a frieze of 'modelled plaster panels with the arms of the principal cities of the world' was proposed for the spaces between the arcade piers.³⁶ The drawing includes a rough sketch of Glasgow's arms that may have been designed by Mackintosh, but it is unclear if the work was carried out. The passage led to the single-storey cashier's office on the ground floor of the middle building, lit from its domed roof.

Later history

In July 1980 the *Herald* left the buildings it had occupied for more than a century.³⁷ They were acquired by Scottish Widows, who in 1993 demolished the Buchanan Street building and built shops and offices behind its preserved facade.³⁸ The 'middle building' and Mitchell Lane building were both demolished and replaced; the Mitchell Street building was mothballed.

As part of Glasgow's bid to be named 'UK City of Architecture & Design 1999', under an Arts Council initiative that associated individual cities with different artistic activities in the years running up to the millennium, it was proposed to create a permanent exhibition centre for architecture and design. Following the success of the bid in 1994, an architectural competition to convert the redundant Mitchell Street building for this purpose was organised by the Glasgow 1999 Festival Company and won by Page & Park of Glasgow in 1995.³⁹ Work began on site in November 1997, and the converted and extended building reopened in July 1999, renamed 'The Lighthouse'. It includes a permanent display about Mackintosh, called the Mackintosh Interpretation Centre, designed by Gareth Hoskins Architects, Glasgow.⁴⁰ Space is let to commercial tenants.

The 1890s fabric has been largely preserved and carefully repaired, while a large steel-framed E. extension (on the site formerly occupied by the Mitchell Lane arm of the cartway and part of the 'middle building') provides a dramatic new visitor entrance and reception area on Mitchell Lane. Escalators rise up a full-height atrium, giving access to the upper floors of the original building and to a new viewing tower at the S.E. corner.

There have been two major structural changes to John Honeyman & Keppie's interior. First, the spine wall between the N. and S. halves has been largely removed and replaced with a system of steel columns. Second, floors have been removed from the corner tower and a helical steel stair inserted, giving access from the third floor to the ogee-roofed turret. New steel ring beams stiffen the tower where the floors have been removed. The whole conversion and extension scheme is characteristic of its time in the way it boldly juxtaposes modern materials and design with the historic fabric, rather than trying to imitate the earlier work or blend unobtrusively with it. Page & Park have said that their design developed from their interpretation of the original building as a symbolic representation of the growth and decay of a flower.⁴¹

People

Clients:

- George Outram & Co.

Contractors:

- George Adam
- Stephen Adam & Son
- Robert Aitken
- John Anderson
- William Anderson
- H. L. Anderson & Co.
- P. & W. Anderson
- Arrol Bridge & Roof Co.
- Thomas Brown
- British Thomson Houston Co.
- John Bryden & Sons
- Bryden & Middleton
- Buchans & MacIntyre

- D. Campbell & Sons
- Carlisle Fireproofing Co.
- Charles Carlton & Son
- John Cochrane
- John Colvin
- James Cormack & Sons Ltd
- Alexander Cousland & Son
- Douglas, Hunter & Whitson
- Dowson, Taylor & Co.
- John Finlay & Co.
- P. & R. Fleming
- William Forbes
- Fyfe & Allan
- Galbraith & Winton
- John Gardner & Co.
- Glass Stainers Co.
- J. & W. Guthrie
- J. & W. Guthrie & Andrew Wells
- Claud Hamilton Ltd
- Matthew Henderson
- A Hoffer
- James Hutcheson
- Imperial Asbestos Co.
- William Kemp & Co.
- Lamson Pneumatic Tube Co.
- A. & D. MacKay
- P. & W. MacLellan
- Thomas Main
- Mather & Platt
- Daniel McCallum
- McCulloch & Co.
- Moses McCulloch & Co.
- McGeoch & Co.
- R. A. McGilvray & Ferris
- McKenzie & Co.
- William Meikle & Son
- The Metallic Art Co.
- Milner's Safe Co.
- Murdoch & Cameron
- John Orr & Sons
- Pennycook Patent Glazing Company
- Smith & Wellstood
- Spittal Brothers
- Staffordshire Tileries Co.
- A. & P. Steven
- Rudolph A. Stoffert
- James Thompson
- Robert Walker
- Wylie & Lochhead
- James Young

Job Book

The job books of Honeyman & Keppie (later Honeyman, Keppie & Mackintosh) are now held by The Hunterian, University of Glasgow and include four volumes related to the Mackintosh period. The books were used by the firm to keep a project-by-project, day-by-day record of contractors, suppliers and expenditure. The name of a project and/or client is usually at the top of the left-hand page, followed by information about tradesmen who tendered. The name of the measurer (quantity surveyor) is usually at the top of the right-hand page, followed by information about payments to contractors and suppliers. All of the data for M072 is entered in the tables below.

Page numbering is not consistent in the job books. Sometimes a single number refers to a double-page spread and sometimes each page is individually numbered. Here, each image of a double-page spread is identified by the number given at the top of the left-hand page. (Images of all of the pages from the four job books can be found at [Browse Job Books, Visit Book and Cash Book.](#))

The following information about M072 has been extracted from the job books:



Job book: 53060
Page: 25

Client: no data in job book

Measurer: no data in job book

Tenders:

Contractor	Type	Date	Value	Accepted
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Payments (trades):

Name	Type	Payment out sum
no data in job book	mason	Payment date: 28 October [1892] £17 2s 10½d
no data in job book	joiner	Payment date: 28 October [1892] £136 1s 3d
no data in job book	plumber	Payment date: 28 October [1892] £63 18s 5d
no data in job book	slater	Payment date: 28 October [1892] £48 8s 2d
no data in job book	cement	Payment date: 28 October [1892] £3 6s 2d
no data in job book	painter	Payment date: 28 October [1892] £77 5s 0d
no data in job book	plaster	Payment date: 28 October [1892] £11 0s 0d ¹

Phase 2: Alterations, 1892



Job book: 53060
Page: 25

Client: no data in job book

Tenders:

Contractor	Type	Date	Value	Accepted
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Payments (trades):










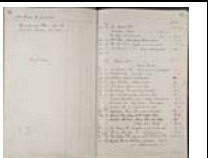
Name	Type	Payment out sum
no data in job book	mason	Payment date: 28 October [1892] £48 0s 0d
no data in job book	wright	Payment date: 28 October [1892] £11 0s 0d ²
no data in job book	plumber	Payment date: 28 October [1892] £20 0s 0d ³

no data in job book	slater	Payment date: 28 October [1892] £35 4s 0d ⁴
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Payments (suppliers):

Name	Service	Payment date	Payment sum
George Adam	Iron lettering	31 March 1893	£17 0s 0d
John Orr & Sons	Painting iron lettering.	[31 March 1893]	£1 10s 0d

Phase 3: Mitchell Street building, middle building, and alterations to Buchanan Street building, 1893–1901

 Job book: 53059 Page: 228	 Job book: 53059 Page: 230	 Job book: 53059 Page: 232	 Job book: 53059 Page: 234	 Job book: 53059 Page: 236	 Job book: 53061 Page: 33
 Job book: 53061 Page: 35	 Job book: 53061 Page: 37	 Job book: 53061 Page: 39	 Job book: 53061 Page: 41		

Client: no data in job book

Measurer: Douglas, Hunter & Whitson

Tenders:

Contractor	Type	Address	Date	Value	Accepted
Alex Eadie & Son	builder	no data in job book	no data in job book	£13978 0s 7d	no
Morrison & Mason	builder	no data in job book	no data in job book	£15954 10s 3d	no
Watt & Wilson	builder	no data in job book	no data in job book	£14284 0s 0d	no
Guthrie & Co.	builder	no data in job book	no data in job book	£15565 0s 0d	no
P. & W. Anderson	builder	Bothwell Street	15 December 1893	£17024 16s 10d ⁵	yes
Alex Muir & Son	builder	Eglinton Street	1893	£14685 4s 5d	no
Anderson & Henderson	builder	44 West Campbell Street	1893	£16499 18s 2d	no
George Barlas & Co.	builder	Ruthven Street, H[illhead]	1893	no data in job book	no
Bell, Hornsby & Co.	builder	176 Pollokshaws Road	1893	£14597 0s 0d	no
Morrison & Muir	builder	432 Calder Street	1893	£13234 4s 4d	no
James Watson & Son	builder	112 Bath Street	1893	£17625 0s 0d	no
Robert Murdoch	builder	no data in job book	1893	£15300 0s 0d	no
Alex Eadie & Son	wright	no data in job book	no data in job book	£4992 10s 0d	no
Watt & Wilson	wright	no data in job book	no data in job book	£6200 0s 0d	no
Guthrie & Co.	wright	no data in job book	no data in job book	£5189 0s 0d	no

Anderson & Henderson Ltd	wright	no data in job book	1893	£4931 15s 5d	no
Matthew Henderson	wright	4 Grant Street	11 December 1893	£7676 5s 7d ⁶	yes
James Herbertson & Son	wright	85 Bedford Street	1893	£4879 1s 6d	no
Hutcheson & Grant	wright	32 Gardner Stree	1893	£5047 0s 0d	no
George Laird & Son	wright	10 Ann Street, Bridgeton	1893	£5531 10s 0d	no
William McCall & Son	wright	54 John Knox Street	1893	no data in job book	no
James Maben & Co.	wright	65 Eglinton Street	1893	£5200 0s 0d	no
William Shaw & Son	wright	44 Wallace Street	1893	£4975 15s 1d	no
Thomas Brown	wright	Rottenrow	1893	£5147 0s 0d	no
Archibald Hood & Co.	wright	Polmadie	1893	£4981 11s 10d	no
James Morrison	wright	no data in job book	1893	£5486 0s 0d	no
William Cowan & Son	wright	Bishop Street	1893	£5250 0s 0d	no
Hamilton Marr & Co.	wright	no data in job book	1893	£5307 17s 1d	no
Thomas Lamb & Stewart	wright	no data in job book	1893	£5581 0s 0d	no
Alex Eadie & Son	cast iron	no data in job book	no data in job book	£1395 12s 3d	no
Watt & Wilson	cast iron	no data in job book	no data in job book	£1481 7s 3d	no
Guthrie & Co.	cast iron	no data in job book	no data in job book	£1625 5s 0d	no
James Allen senior & Son	cast iron	12 Possil Road	1893	no data in job book	no
Kesson & Campbell	cast iron	Carntyne Foundry, Parkhead.	1893	£1375 15s 2d	no
J. & A. Law	cast iron	Pinkston Iron Works	1893	£1621 5s 0d	no
Moses McCulloch & Co.	cast iron	168 Gallowgate	20 January 1894	£1404 12s 4d ⁷	yes
Bladen & Co.	cast iron	no data in job book	1893	£1524 7s 4d	no
Rudolph A. Stoffart	cast iron	no data in job book	1893	£1376 17s 10d	no
P. & W. MacLellan	cast iron	no data in job book	1893	£1442 10s 2d	no
Alex Eadie & Son	rolled iron	no data in job book	no data in job book	£2495 1s 7d	no
Watt & Wilson	rolled iron	no data in job book	no data in job book	£2420 19s 11d	no
Guthrie & Co.	rolled iron	no data in job book	no data in job book	£2631 16s 4d	no
P. & W. MacLellan	rolled iron	129 Trongate	[1893]	£3483 11s 5d ⁸	yes
P. & R. Fleming	rolled iron	29 Argyle Street	[1893]	£2491 12s 3d	no
Bladen & Co.	rolled iron	70 Wellington Street	[1893]	£2423 2s 7d	no
Rudolph A. Stoffert	rolled iron	4 West Regent Street	[1893]	£2423 2s 7d	no
Alex Eadie & Son	slater	no data in job book	no data in job book	£188 17s 8d	no
Watt & Wilson	slater	no data in job book	no data in job book	£181 3s 8d	no
Guthrie & Co.	slater	no data in job book	no data in job book	£186 3s 8½d	no
A. & D. MacKay	slater	Oswald Street	1893	£227 0s 0d	no
John Anderson	slater	362 Parliamentary Road	11 December 1893	£257 6s 0d ⁹	yes
Thomas Black	slater	11 Peel Street, Partick.	1893	£221 3s 4d	no
J. McOwat & Son	slater	98 London Road	1893	£195 0s 0d	no
Hamilton & Co.	slater	no data in job book	1893	£197 7s 10d	no

William Meikle	slater	no data in job book	1893	£209 2s 4d	no
W. & D. Mailer	slater	no data in job book	1893	£258 17s 11d	no
Alex Eadie & Son	plumber	no data in job book	no data in job book	£565 0s 0d	no
Watt & Wilson	plumber	no data in job book	no data in job book	£583 13s 8d	no
Guthrie & Co.	plumber	no data in job book	no data in job book	£597 13s 8d	no
William Anderson	plumber	284 Buchanan Street	[1893]	£579 0s 0d	no
Brown & Young	plumber	7 Bath Street	[1893]	£652 0s 0d	no
Cairns & Laing	plumber	5 Carlton Place	[1893]	£569 13s 2d	no
Fyfe & Allan	plumber	474 Sauchiehall Street	[1893]	£810 11s 0d ¹⁰	yes
John Rattrey & Son	plumber	233 Hope Street	[1893]	£609 0s 0d	no
James Ingleton & Co.	plumber	George Street	[1893]	£580 0s 0d	no
James Johnstone & Son	plumber	Renfield Street	[1893]	£635 0s 0d	no
[?] Russell	plumber	330 St Vincent Street	[1893]	£543 15s 0d	no
Moses Speirs & Son	plumber	92 Bothwell Street	[1893]	£612 0s 0d	no
D. & R. Ireton	plumber	Woodlands Road	[1893]	£594 0s 0d	no
Wallace & Connel	plumber	no data in job book	[1893]	£587 19s 11d	no
C. Johnstone	plumber	no data in job book	[1893]	£617 15s 0d	no
Smith & Gill	plumber	no data in job book	[1893]	£610 15s 5d	no
Alex Eadie & Son	plaster	no data in job book	no data in job book	£1132 18s 9d	no
Watt & Wilson	plaster	no data in job book	no data in job book	£1188 19s 8d	no
Guthrie & Co.	plaster	no data in job book	no data in job book	£1112 9s 5d	no
R. A. McGilvray	plaster	129 West Regent Street	[1893]	£1142 12s 6d	no
George Rome & Co.	plaster	136 Waterloo Street	[1893]	£1130 0s 0d	no
John Forbes	plaster	158a Bath Street	[1893]	£1283 12s 7½d	no
D. & J. MacKenzie	plaster	191 St Vincent Street	[1893]	£1109 15s 4d	no
George Nicol	plaster	727 Govan Road	[1893]	£1224 1s 7d	no
Calder & Sons	plaster	no data in job book	[1893]	£1088 0s 0d	no
James Da[...] & Sons	plaster	no data in job book	[1893]	£1211 0s 0d	no
William Tonner	plaster	no data in job book	[1893]	£1108 9s 9d	no
D. J. Hutcheson	plaster	no data in job book	[1893]	£1042 1s 5d	no
William Forbes	plaster	167 West Graham Street	19 December 1893	£1817 12s 1d ¹¹	yes
P. & W. MacLellan Ltd	iron chimney stalk	129 Trongate	no data in job book	no data in job book	no
G. & W. Weir	iron chimney stalk	Holms Foundry, Cathcart	no data in job book	no data in job book	no
Mechan & Son	iron chimney stalk	60 Elliot Street, Anderston.	no data in job book	no data in job book	no
P. & R. Fleming	iron chimney stalk	29 Argyle Street	no data in job book	no data in job book	yes
A. & P. Steven	lifts	no data in job book	7 September 1894	£1019 0s 0d ¹²	yes
A. & P. Steven	lifts	no data in job book	18 February 1896	£216 2s 0d ¹³	yes
James Young	carving	no data in job book	5 January 1893	£121 18s 0d	yes
William Vicars	carving	no data in job book	[1893]	£130 0s 0d	no
William Sheriff	carving	no data in job book	[1893]	£154 4s 6d	no

R. A. McGilvray & Ferris	carving	no data in job book	[1893]	£167 5s 6d	no
Kellock Brown	carving	no data in job book	[1893]	£218 2s 0d	no
James Cormack & Sons Ltd	steam heating	no data in job book	23 October 1895	£142 0s 0d	yes
A Hofer	cork deafening	no data in job book	23 January 1896	no data in job book ¹⁴	yes
Galbraith & Winton	marble and tiling	no data in job book	24 March 1896	£32 0s 0d ¹⁵	yes
Thomas Brown	ventilators	no data in job book	16 April 1896	£25 14s 0d ¹⁶	yes
Rudolph A. Stoffert	floors	no data in job book	30 April 1896	£422 16s 9d ¹⁷	yes
George Adam	iron	no data in job book	22 May 1896	£5 10s 0d ¹⁸	yes
H. L. Anderson & Co.	silicating	no data in job book	1 August 1896	£60 5s 0d ¹⁹	yes
Bryden & Middleton	iron	no data in job book	15 August 1896	£7 12s 0d ²⁰	yes
Wylie & Lochhead	furniture	no data in job book	29 July 1896	£33 12s 0d ²¹	yes
Buchans & MacIntyre	fireplaces	no data in job book	28 March 1899	£15 15s 0d ²²	yes
William Meikle & Son	glass	no data in job book	31 July 1899	£60 5s 0d ²³	yes

Payments (trades):

Name	Type	Payment out sum
P. & R. Fleming	ironwork	First installment: 27 June 1895 Final installment: 2 July 1897 £222 10s 0d ²⁴
James Young	carving	Payment date: 7 June 1895 £95 3s 9d
P. & W. Anderson	builder	Final installment: 21 May 1901 £23592 2s 6d ²⁵
Matthew Henderson	wright	Final installment: 29 November 1901 £16815 9s 1d ²⁶
Moses McCulloch & Co.	cast iron	First installment: 16 March 1897 Final installment: 24 December 1897 £1432 13s 9d
P. & W. MacLellan	rolled iron	First installment: 29 March 1898 Final installment: 16 August 1900 £4329 0s 3d ²⁷
John Anderson	slater	First installment: 24 March 1897 Final installment: 13 October 1899 £281 0s 5d ²⁸
Fyfe & Allan	plumber	First installment: 10 November [1899] Final installment: 26 April 1900 £2488 4s 11d ²⁹
William Forbes	plaster	First installment: 25 September 1897 Final installment: 14 November [1897] £5254 16s 2½d ³⁰
A. & P. Steven	lifts	First installment: 24 March 1896 Final installment: 7 September 1899 £2034 18s 1d ³¹
James Young	carving	First installment: 7 June 1895 Final installment: 17 December 1896 £105 7s 9d
James Cormack & Sons Ltd	heating	First installment: 4 May 1896 Final installment: 5 June 1899 £184 5s 0d ³²
Rudolph A. Stoffert	floors	Payment date: 23 September 1896 £380 19s 8d
George Adam	ironwork	First installment: 4 May [1896] Final installment: 17 December 1896 £74 12s 6d ³³

Thomas Brown	ventilators	First installment: 3 June [1896] Final installment: 14 April 1898 £51 8s 0d ³⁴
Galbraith & Winton	tiling and marble	First installment: 15 August [1896] Final installment: 18 January 1899 £43 15s 0d ³⁵
A Hofer	cork deafening	First installment: 18 November 1896 Final installment: 8 December 1896 £119 6s 9d ³⁶
H. L. Anderson & Co.	silicating	Payment date: 23 December 1896 £69 7s 7d ³⁷
Bryden & Middleton	iron	Payment date: 29 July 1897 £5 0s 0d ³⁸
Wylie & Lochhead	furnishings	First installment: 18 [February] 1899 Final installment: 4 November 1899 £230 7s 9d ³⁹
Buchans & MacIntyre	grates	Payment date: 4 November 1899 £15 15s 0d ⁴⁰
William Meikle & Son	glass	Payment date: 4 November 1899 £39 10s 4d ⁴¹

Payments (suppliers):

Name	Service	Payment date	Payment sum
Arrol Bridge & Roof Co.	Concrete in Mitchell Street and Mitchell Lane buildings.	23 December 1896	£1592 8s 11d
Carlisle Fireproofing Co.	Floors	14 October 1898	£742 5s 6d
A. & D. MacKay	'Picking & pointing walls of old water tower.'	27 December 1894	£52 11s 7d
James Thompson	'Examining adjoining buildings for foundations.'	28 December 1894	£6 6s 0d
Murdoch & Cameron	ironwork	First installment: 29 March 1895 Final installment: 29 July 1897	£263 15s 7d ⁴²
James Hutcheson	Electric lift bells, 'speaking tubes etc. at Cooper Hunter & Rogers', window blinds and 'electric pendants'.	First installment: 28 June 1895 Final installment: 7 September 1899	£88 7s 6d
Alexander Cousland & Son	Wire work for lifts.	First installment: 28 June [1895] Final installment: 6 October 1899	£124 9s 11d
John Orr & Sons	'painting well of front elevator.'	4 October	£24 0s 0d
The Metallic Art Co.	'Nameplates at entrance.'	First installment: 25 December 1895 Final installment: 10 August 1899	£45 16s 6d
Milner's Safe Co.	Four iron doors.	First installment: 7 September 1896 Final installment: 30 October 1896	£28 3s 3d
Imperial Asbestos Co.	'Markers at iron columns, etc.'	First installment: 18 September 1896 Final installment: 17 December 1896	£19 9s 6d
Robert Walker	'Asbestos millboard.'	29 October 1897	£15 18s 10d

Dowson, Taylor & Co.	'Tin covered sliding doors.'	First installment: 17 August 1898 Final installment: 26 April 1899	£31 19s 11d
George Adam	Ironwork	First installment: 8 September 1898 Final installment: 9 November 1899	£69 8s 0d 43
Glass Stainers Co.	'Glass in passage to Editorial Dep.'	11 November 1898	£11 12s 6d
Thomas Main	'Fireplaces, fenders etc.'	7 January 1899	£173 5s 9d
J. & W. Guthrie	'Glass in Editor's Rm'	26 April 1899	£21 0s 0d
Stephen Adam & Son	'Glass in Counting house.'	9 May 1899	£46 19s 1½d
R. A. McGilvray & Ferris	'Modelling [friezes] etc. & carvings.'	16 June 1899	£32 5s 0d
Wilson Beaton	'Sketches of buildings.'	16 June 1899	£8 8s 0d
Staffordshire Tileries Co.	'Mosaic in front office.'	11 January 1900	£156 0s 0d
Spittal Brothers	'Fittings at 68 Mitchell Street.'	9 August 1900	£82 4s 0d
John Gardner & Co.	'Straightening vane & staying same.'	7 November 1900	£10 0s 0d
Claud Hamilton Ltd	'Ventilating fans.'	26 December 1900	£70 10s 0d
Charles Carlton & Son	Painting	30 January 1901	£2126 10s 9d

Measurer fee payment: £501 3s 0d (29 November 1901)

Phase 4: Repainting office and Editor's rooms, etc., 1902



Job book: 53061
Page: 253

Client: no data in job book

Tenders:

Contractor	Type	Date	Value	Accepted
J. C. Bowie & Fisher	painter	15 April 1902	£384 0s 0d	no
Charles Carlton & Son	painter	15 April 1902	£349 0s 0d	yes (17 April 1902)
H. L. Anderson & Co.	painter	15 April 1902	£379 0s 0d	no
Fyfe & Allan	plumber	4 September 1902	£18 10s 0d	no
Matthew Henderson	wright	4 September 1902	£11 16s 6d	yes

Payments (trades):

Name	Type	Payment out sum
Matthew Henderson	wright	First installment: 1 May 1902 Final installment: 28 Nov 1902 £114 0s 0d

Charles Carlton & Son	painter	Payment date: 13 November 1902 £417 6s 5d ⁴⁴
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Payments (suppliers):

Name	Service	Payment date	Payment sum
McCulloch & Co.	'Glass screens in offices Mitchell St.'	7 August 1902	£6 0s 0d

Phase 5: Alterations to case room, lifts, etc., 1905–7



Job book: 53062
Page: 98



Job book: 53062
Page: 99

Client: no data in job book

Tenders:

Contractor	Type	Date	Value	Accepted
Matthew Henderson	wright	5 August 1905	no data in job book ⁴⁵	yes
A. & P. Steven	lifts	22 May 1906	no data in job book	no data in job book
A. & P. Steven	lifts	10 August 1906	£362 0s 0d ⁴⁶	yes
A. & P. Steven	lifts	22 November 1906	£43 10s 0d ⁴⁷	yes
Galbraith & Winton	tiling	10 October 1906	£42 10s 0d ⁴⁸	no data in job book
Galbraith & Winton	tiling	10 August 1907	£70 0s 0d ⁴⁹	yes
Bryden & Middleton	wrought iron	23 October 1906	£14 5s 0d ⁵⁰	yes
Lamson Pneumatic Tube Co.	pneumatic tubes	12 December 1906	£999 0s 0d ⁵¹	yes
J. & W. Guthrie & Andrew Wells	glass	21 January 1907	£9 18s 0d ⁵²	yes
McGeoch & Co.	nameplates	28 June 1907	£14 10s 0d	yes

Payments (trades):

Name	Type	Payment out sum
Matthew Henderson	wright	First installment: 20 December 1905 Final installment: 3 October 1907 £1644 8s 3d ⁵³
A. & P. Steven	lifts	First installment: 10 August 1906 Final installment: 1 June 1907 £454 0s 0d
Lamson Pneumatic Tube Co.	pneumatic tubes	First installment: 9 January 1907 Final installment: September 1907 £1063 16s 10d
Charles Carlton & Son	painting	First installment: 14 June 1907 Final installment: 3 October 1907 £428 13s 9d
J. & W. Guthrie & Andrew Wells	glass	Payment date: 22 June 1907 £9 18s 0d
McGeoch & Co.	name plates	Payment date: 26 September 1907 £14 10s 0d
Bryden & Middleton	wrought iron	Payment date: 7 September 1907 £14 5s 0s
Galbraith & Winton	tiling	Payment date: 19 September 1907 £311 0s 0d ⁵⁴

Payments (suppliers):

Name	Service	Payment date	Payment sum
Fyfe & Allan	'Work in case room in connection with linotype machines' and 'Work at P.O. tube, etc.'	First installment: 20 December 1905 Final installment: 14 September 1907	£202 3s 8d
Robert Aitken	'Inspector work.'	First installment: 20 December 1905 Final installment: 28 December 1906	£18 10s 0d ⁵⁵
William Forbes	'plaster jobbing', 'frame partitions'; 'plaster work at Editorial'	First installment: 20 December 1905 Final installment: 15 May 1907	£386 1s 7d
P. & W. Anderson	no data in job book	First installment: 22 December 1905 Final installment: 13 August 1907	£426 5s 2d
John Finlay & Co.	Electric bells at lift in Mitchell Lane	4 September 1906	£8 9s 4d
Moses McCulloch & Co.	'cast iron plates'	17 December 1906	£1 17s 7d
John Colvin	'Inspector work at Editorial.'	5 August 1907	£18 0s 0d ⁵⁶

Measurer fee payment: £31 10s 0d

Phase 6: Fittings for various offices, 1909–10



Job book: 53063
Page: 22

Client: no data in job book

Measurer: Douglas, Hunter & Whitson

Tenders:

Contractor	Type	Address	Date	Value	Accepted
John Bryden & Sons	lifts	no data in job book	19 May 1909	£20 0s 0d ⁵⁷	
John Bryden & Sons	lifts	no data in job book	9 July 1909	£3 5s 0d ⁵⁸	
A. & P. Steven	lifts	no data in job book	14 September 1909	£18 6s 0d ⁵⁹	
Matthew Henderson	wright	no data in job book	8 June 1909	£1448 2s 5d ⁶⁰	yes
Brown & Angus	wright	209 Shields Road	8 June 1909	£1566 0s 0d ⁶¹	no
David Hewson	wright	Albany Saw Mills, Govan	8 June 1909	£1569 2s 4d ⁶²	no
Walker & Dick	wright	674 Pollokshaws Road	8 June 1909	£1750 0s 0d ⁶³	no
James Grant	wright	no data in job book	8 June 1909	£1769 0s 0d ⁶⁴	no
John Cochrane	wright	no data in job book	8 June 1909	£1733 0s 0d ⁶⁵	no
Peter Cumming	wright	no data in job book	8 June 1909	£1532 0s 0d ⁶⁶	no

Payments (trades):

Name	Type	Payment out sum
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Matthew Henderson	wright	First installment: 10 August 1909 Final installment: 9 February 1910 £2193 0s 7d ⁶⁷
John Bryden & Sons	lifts	Payment date: 5 October 1909 £28 19s 0d
A. & P. Steven	lifts	Payment date: 2 November 1909 £18 6s 0d ⁶⁸

Payments (suppliers):

Name	Service	Payment date	Payment sum
D. Campbell & Sons	painting	First installment: 23 August 1909 Final installment: 7 February 1910	£561 16s 10d ⁶⁹
Mather & Platt	'fireproof doors'	5 October 1909	£25 13s 0d
William Forbes	Plaster work.	3 December 1909	£100 6s 0d
Lawson & Co.	'Joiner work etc. upper floors.'	3 December 1909	£103 1s 0d

Measurer fee payment: £34 2s 0d ⁷⁰ (22 February 1910)

Phase 7: Office for W. S. Miller & Co., 1911



Job book: 53063
Page: 22



Job book: 53063
Page: 23

Client: no data in job book

Tenders:

Contractor	Type	Date	Value	Accepted
Matthew Henderson	joiner	24 February 1911	£48 8s 2d ⁷¹	yes
Smith & Wellstood	stoves	24 February 1911	£13 10s 0d	yes
Charles Carlton & Son	painter	24 February 1911	£37 0s 0d	yes

Payments (trades):

Name	Type	Payment out sum
Charles Carlton & Son	painter	Payment date: 26 May 1911 £39 0s 0d
Matthew Henderson	joiner	Payment date: 2 June 1911 £51 11s 0d
Smith & Wellstood	stoves	Payment date: 2 June 1911 £15 0s 0d ⁷²

Payments (suppliers):

Name	Service	Payment date	Payment sum
John Bryden & Sons	window blind	2 [June 1911]	£2 6s 6d

Phase 8: Alterations to James Little & Co.'s offices, 1913–16



Job book: 53063
Page: 100



Job book: 53063
Page: 115



Job book: 53063
Page: 134

Client: no data in job book

Measurer: Douglas, Hunter & Whitson

Tenders:

Contractor	Type	Address	Date	Value	Accepted
Matthew Henderson	mason, joiner & plaster	no data in job book	10 May 1913	£180 3s 7d ⁷³	yes
D. Campbell & Sons	painter	no data in job book	4 June 1913	£43 3s 0d	yes
Charles Carlton & Son	painter	no data in job book	22 April 1914	'List of rates.'	yes
McKenzie & Co.	furnishings	Stewarton	no data in job book	no data in job book	no
Dykes Bros	clocks	no data in job book	22 June 1914	£3 15s 0d ⁷⁴	yes
Daniel McCallum	pavement lights	no data in job book	29 June 1914	£106 16s 6d	yes
John Cochrane	furnishings	Dobbie's Loan	no data in job book	£830 0s 10d	no
Matthew Henderson	furnishings	Grant Street	19 November 1913	£610 18s 5d	yes
Wylie & Lochhead	furnishings	Buchanan Street	no data in job book	£932 3s 3d	no
John Craig	furnishings	Paterson Street	no data in job book	£923 14s 3d	no
Lawson & Co.	furnishings	Albion Street	no data in job book	£1021 13s 5d	no
James Grant	furnishings	no data in job book	no data in job book	£744 10s 8d	no
McGeoch & Co.	metalwork	no data in job book	4 April 1914	£67 15s 0d ⁷⁵	yes
H. L. Anderson & Co.	silicating	no data in job book	1914	£67 10s 0d	no
Charles Carlton & Son	silicating	no data in job book	14 June 1914	£65 18s 0d	yes
British Thomson Houston Co.	electrical fittings	no data in job book	19 August 1914	£43 0s 0d	yes
McKenzie & Co.	furnishings	Stewarton	14 October 1914	£39 0s 0d ⁷⁶	yes
William Anderson	plumber, joiner and tile work	no data in job book	12 November 1914	£106 0s 0d ⁷⁷	yes
John Cochrane	joiner	no data in job book	6 January 1915	£72 10s 0d ⁷⁸	yes
Mathew Henderson	joiner	no data in job book	no data in job book	£98 15s 0d ⁷⁹	no
Mather & Platt	fireproof doors	no data in job book	3 July 1915	£31 10s 9d	yes

Payments (trades):

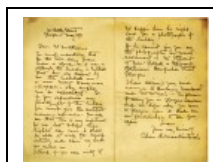
Name	Type	Payment out sum
Matthew Henderson	artificer	First installment: 8 July 1913 Final installment: 7 April 1916 £1773 17s 6d
D. Campbell & Sons	painter	Payment date: 11 August 1913 £45 10s 0d
Daniel McCallum	pavement lights	First installment: 9 July 1915 Final installment: 9 September 1916 £310 10s 0d ⁸⁰
Charles Carlton & Son	painter	First installment: 7 September [1914] Final installment: 7 April 1916 £1128 19s 5d
Dykes Bros	clocks	Payment date: 23 October [1914] £3 15s 0d ⁸¹
McGeoch & Co.	metalwork	First installment: 21 July 1914 Final installment: 16 July 1915 £67 18s 8d ⁸²
Charles Carlton & Son	silicating	Payment date: 10 August 1914 £65 18s 0d
McKenzie & Co.	furnishings	Payment date: 5 January 1915 £45 0s 0d
William Anderson	plumber	Payment date: 9 July 1915 £106 5s 8d
John Cochrane	joiner	Payment date: 12 March 1915 £72 10s 0d ⁸³
British Thomson Houston Co.	electrical fittings	Payment date: 1914 £52 3s 11d
Mather & Platt	fireproof doors	Payment date: 15 September 1915 £31 16s 3d

Payments (suppliers):

Name	Service	Payment date	Payment sum
Pennycook Patent Glazing Company	no data in job book	26 February 1914	£9 6s 6d
William Forbes & Son	no data in job book	First installment: 6 September 1915 Final installment: 30 October 1915	£172 17s 7d
William Kemp & Co.	'Electric fittings, grates, fires, etc.'	20 September 1915	£46 19s 7d
Smith & Wellstood	Anthracite stove, etc.	7 February 1916	£7 12s 0d

Measurer fee payment: £30 16s 6d ⁸⁴

Documents



Letter from Mackintosh to Hermann Muthesius, 11 May 1898



'Glasgow Herald Buildings', Glasgow Herald, 20 May 1899, p. 4



Letter from W.S. Moyes to Thomas Howarth, 29 April 1947, p. 1



Letter from W.S. Moyes to Thomas Howarth, 29 April 1947 p. 2

Images



W. elevation of Mitchell Street building, from Hermann Muthesius, Die Englische Baukunst der Gegenwart, 1900



'To let' sign on Mitchell Street building, from Hermann Muthesius, Die Englische Baukunst der Gegenwart, 1900



Buchanan Street elevation, by James Sellars, 1879-80



Mitchell Street entrance bay



Mitchell Street, N. bay



Mitchell Street, S. bay



Mitchell Street, window detail



Mitchell Street entrance



Mitchell Street entrance, detail



Tower from S.W.



Tower from W.



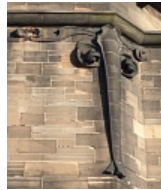
Tower from West Nile Street



Tower from N.W.



Tower and chimney



Shield at angle of tower



Bosses at angles of tower



Ground floor, Mitchell Street



Cast-iron lintel, Mitchell Street



Corbel and cast-iron lintel, Mitchell Street



Carving above tower entrance



Carving above tower window



Downspout



Tower from below



Mitchell Lane facade



Chimney top and roof of main stair



Chimney shaft and windows to stair



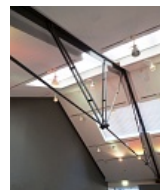
Glazed brick on E. elevation of Mitchell Street building



Cast-iron capital



Cast-iron capital, top floor



Roof truss



Brick construction inside tower



Hopper head



Block plan showing building phases

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- Alan Crawford, *Charles Rennie Mackintosh*, London: Thames & Hudson, 1995, pp. 21–2
- Roger Billcliffe, *Charles Rennie Mackintosh: The Complete Furniture, Furniture Drawings and Interior Designs*, Moffat, Dumfriesshire: Cameron & Hollis, 4th edn, 2009, pp. 37–9
- Thomas Howarth, *Charles Rennie Mackintosh and the Modern Movement*, London: Routledge & Kegan Paul, 2nd edn, 1977, pp. 61–3
- Robert Macleod, *Charles Rennie Mackintosh: Architect and Artist*, London: Collins, 1983, pp. 40–2
- Hermann Muthesius, *Die Englische Baukunst der Gegenwart*, Leipzig and Berlin: Cosmos, 1900, p. 60
- Elizabeth Williamson, Anne Riches and Malcolm Higgs, *Buildings of Scotland: Glasgow*, London: Penguin, 1990, p. 230

- Michael Donnelly, 'Charles Rennie Mackintosh & the Glasgow Herald', *Charles Rennie Mackintosh Society Newsletter*, 34, Spring 1983
- Ken Powell, 'A towering achievement', *Architects' Journal*, 210, no. 6, 12 August 1999, pp. 26–36
- *Builder*, 69, 7 December 1895, p. 426
- *Builders' Journal*, 1, 18 June 1895, p. 301
- *Glasgow Herald*, 20 May 1899, p. 4

Unpublished

- Berlin, Werkbundarchiv, Museum der Dinge: Hermann Muthesius Estate, letter from Mackintosh to Hermann Muthesius, 11 May 1898

Notes:

- 1: University of Toronto, Roberts Library: letter from W. S. Moyes to Thomas Howarth, 29 April 1947, B96-0028/017(3)
- 2: *Glasgow Herald*, 29 November 1880.
- 3: Glasgow City Archives Collection: Glasgow Dean of Guild Court proceedings, D-OPW 19/12.
- 4: *Glasgow Herald*, 8 August 1892.
- 5: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 58.
- 6: The Hunterian, University of Glasgow: John Honeyman & Keppie visit book, GLAHA 53060, p. 26.
- 7: *Glasgow Herald*, 10 July 1893.
- 8: Glasgow City Archives Collection: Glasgow Dean of Guild Court proceedings, D-OPW 19/13.
- 9: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 91.
- 10: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 91.
- 11: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 91.
- 12: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 91.
- 13: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 91.
- 14: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 91.
- 15: Glasgow City Archives Collection: Glasgow Dean of Guild Court proceedings, D-OPW 19/14.
- 16: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 91.
- 17: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 91.
- 18: Glasgow City Archives Collection: Glasgow Dean of Guild Court proceedings, D-OPW 19/15.
- 19: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 91.
- 20: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 91.
- 21: Glasgow City Archives Collection: Glasgow Dean of Guild Court proceedings, D-OPW 19/15.
- 22: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 131.
- 23: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 136.
- 24: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 136.

- 25: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 136.
- 26: *Glasgow Herald*, 20 May 1899, p. 4.
- 27: Alison Harris, 'A Report on the present and future condition of the remaining buildings of Charles Rennie Mackintosh', Dip Arch dissertation, Glasgow School of Art, 1976.
- 28: *Glasgow Herald*, 19 July 1980, p. 6.
- 29: Ian Ballantyne, 'CRM buildings update', *Charles Rennie Mackintosh Society Newsletter*, 58, Spring 1992, p. 3.
- 30: *Charles Rennie Mackintosh Society Newsletter*, 61, Spring 1993, p. 3.
- 31: Ken Powell, 'A towering achievement', *Architects' Journal*, 210, 12 August 1999, pp. 26–36.
- 32: *Glasgow Herald*, 1 October 1997, p. 5.
- 33: Ken Powell, 'A towering achievement', *Architects' Journal*, 210, 12 August 1999, pp. 26–36.
- 34: Gareth Hoskins, 'The Lighthouse: the Mackintosh Interpretation Centre', *Charles Rennie Mackintosh Society Newsletter*, 74, Autumn 1998, pp. 8–11.
- 35: *Glasgow Herald*, 8 July 1999, p. 7.
- 36: *Glasgow Herald*, 20 May 1899, p. 4.
- 37: *Glasgow Herald*, 29 November 1880, p. 6.
- 38: *Glasgow Herald*, 8 August 1892, p. 4; The Hunterian, University of Glasgow: John Honeyman & Keppie visit book, GLAHA 53060, p. 26.
- 39: See advertisement in, for example, *Glasgow Herald*, 10 July 1893, p. 3.
- 40: *Glasgow Herald*, 20 May 1899, p. 4.
- 41: *Glasgow Herald*, 20 May 1899, p. 4.
- 42: See advertisements in, for example, *Glasgow Herald*, 28 January 1895, p. 4; 17 November 1896, p. 9.
- 43: *Glasgow Herald*, 20 May 1899 p. 4.
- 44: Berlin, Werkbundarchiv, Museum der Dinge: Hermann Muthesius Estate, letter from Mackintosh to Hermann Muthesius, 11 May 1898.
- 45: *Builders' Journal and Architectural Engineer*, 1, 18 June 1895, p. 301.
- 46: James Hamilton Muir, *Glasgow in 1901*, Glasgow and Edinburgh: William Hodge & Co., 1901, pp. 139–40.
- 47: David L. Laidlaw, 'The growing fire hazard of central city districts, and the means by which it may be diminished', *Transactions of the Insurance and Actuarial Society of Glasgow*, 3rd series, 3, [1891]; Alexander Sinclair, *Fifty Years of Newspaper Life, 1845–1895*, Glasgow: privately printed, [1895], pp. 168–9.
- 48: Alexander Sinclair, *Fifty Years of Newspaper Life, 1845–1895*, Glasgow: privately printed, [1895], pp. 168–9.
- 49: Dublin, National Library of Ireland: PD 2011 TX, p. 28.
- 50: Dublin, National Library of Ireland: PD 2009 TX, p. 23.
- 51: See advertisements in, for example, *Glasgow Herald*, 28 January 1895, p. 4; 17 November 1896, p. 9.
- 52: *Glasgow Herald*, 20 May 1899, p. 4.
- 53: *British Architect*, 43, 8 February 1895, p. 94.
- 54: J. Sutherland, D. Humm and M. Chrimes, eds, *Historic Concrete: The Background to Appraisal*, London: Thomas Telford, 2001, pp. 49–50.
- 55: *Glasgow Herald*, 12 September 1895, p. 9; *Building Industries*, 6, 16 September 1895, pp. 83–4.
- 56: *Glasgow Herald*, 17 November 1896, p. 9.
- 57: James Hamilton Muir, *Glasgow in 1901*, Glasgow and Edinburgh: William Hodge & Co., 1901, pp. 139–40.

58: Dublin: National Library of Ireland, PD 2009 TX, p. 61.

59: Curiously, Mackintosh's perspective drawing for the Herald building shows a triple-arched window in this position. The drawing also differs from the building in showing curved bow windows on the second and third floors, embedded in the thickness of the wall like the board room windows at the Glasgow School of Art. These windows are in fact slightly canted bays.

60: *British Architect*, 31, 31 May 1889, p. 388.

61: *Glasgow Herald*, 20 May 1899, p. 4.

62: *British Architect*, 43, 8 February 1895, p. 94.

63: *British Architect*, 46, 30 October 1896, p. 305.

64: *Builders' Journal*, 1, 18 June 1895, p. 301.

65: 'The Architecture of our Large Provincial Towns: XVI, Glasgow', *Builder*, 75, 9 July 1898, pp. 21–34.

66: Hermann Muthesius, *Die englische Baukunst der Gegenwart*, Leipzig and Berlin: Cosmos, 1900, p. 60 (translation by Nicky Inmie).

67: Glasgow City Archives Collection: Glasgow Dean of Guild Court proceedings, D-OPW 19/15; Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, p. 131.

68: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/1, pp. 131, 136.

69: *Glasgow Herald*, 20 May 1899, p. 4; Roger Billcliffe, *Charles Rennie Mackintosh: The Complete Furniture, Furniture Drawings and Interior Designs*, Moffat, Dumfriesshire: Cameron & Hollis, 4th edn, 2009, p. 37.

70: Roger Billcliffe, *Charles Rennie Mackintosh: The Complete Furniture, Furniture Drawings and Interior Designs*, Moffat, Dumfriesshire: Cameron & Hollis, 4th edn, 2009, p. 37.

71: The Hunterian, University of Glasgow: GLAHA 52632 (M072-076).

72: *Glasgow Herald*, 19 July 1980, p. 6.

73: *Charles Rennie Mackintosh Society Newsletter*, 61, Spring 1993, p. 3; *Glasgow Herald*, 24 July 1993; Glasgow School of Art Archives: records of Glasgow 1999 Festival Co. Ltd, report on the former Glasgow Herald building by Campbell & Arnott Ltd., August 1993, DC 28/2/1/2.

74: Ken Powell, 'A towering achievement', *Architects Journal*, 210, 12 August 1999, pp. 26–36.

75: Gareth Hoskins, 'The Lighthouse: the Mackintosh Interpretation Centre', *Charles Rennie Mackintosh Society Newsletter*, 74, Autumn 1998, pp. 8–11.

76: The Hunterian, University of Glasgow: notes by Paul Sutton of Page & Park, March 1998.

77: 'Not done owing to alterations.'

78: 'For scaffolding.'

79: For 'lead gutters etc.'

80: For 'pointing [...] chimney heads': £3 18s 0d; for 'stripping slates etc as per a/c': £25 0s 0d; and for 'cementing & pointing gable': £6 6s 0d.

81: Includes £3221 4s 3d tendered on 19 November 1896 for 'mid Building'.

82: Includes £2870 6s 0d tendered on 19 November 1896 for 'mid Building'.

83: Includes £250 12s 4d tendered on 19 November 1896 for 'mid building'.

84: Includes £1043 11s 5d tendered on 19 November 1896 for 'mid building'.

85: Includes £76 6s 0d tendered on 19 November 1896 for 'mid building'.

86: Includes £261 11s 0d tendered on 1 November 1896 for 'mid building'.

87: Includes £829 14s 0d tendered on 19 November 1896 for 'mid building'.

88: This tender is for lifts in both the Buchanan Street and Mitchell Lane buildings, and includes 'pipes 4" 10/6 per yd. 3" 7/9 per yd.'

89: This tender is for the lift in the Mitchell Lane building and includes 'guide posts to overhead gear', '4 Bostwick gates' and 'connecting pipes to tank'.

- 90:** 'Cork deafening ¾" thick on Mitchell Lane Building at the rate of 1/4 per square yard.'
- 91:** For 'tile floor in tower and marble step'.
- 92:** For '2 ventilators in E. T. case room'
- 93:** For 'floor in front building'.
- 94:** For 'iron gates at shops'.
- 95:** For 'silicating front building'.
- 96:** For 'iron grilles under shop windows'.
- 97:** For 'table and chairs in manager's room'.
- 98:** For 'fireplaces in managers and accountants rooms'.
- 99:** For 'luxfer glass in Fulton's office'.
- 100:** Includes iron chimney and reflectors in Mitchell Lane.
- 101:** £1 8s 9d was paid on 28 June [1893 or 1894] for 'preliminary digging in founds'; £9 13s 3d was paid on 3 December [1895] for 'damage to adjoining bdg'; £59 0s 0d was paid on 27 October 1896 for 'balustrade & cope [for] front building as per offer'.
- 102:** Includes £187 0s 0d for 'fittings throughout bdgs.' and £22 10s 0d for 'fittings R[...] Safe Coy.'
- 103:** Payment on 16 August 1900 includes 'altering front office & new stair.'
- 104:** Includes £5 7s 0d for 'jobbing a/c'.
- 105:** Includes £1000 6s 5d for 'jobbing a/c'.
- 106:** Payment on 25 September 1897 includes 'alteration on front bdg. & extra [filling] throughout buildings.'
- 107:** Includes lifts in the Buchanan Street, Mitchell Lane and middle buildings, plus 'Bostwick gate at Gilmour & Watson's'.
- 108:** Comprises £140 5s 0d for heating of 'front building', and £44 0s 0d for 'heating apparatus at public office'.
- 109:** Comprises £65 12 6d for gates in Mitchell Street and Mitchell Lane; £5 10s 0d for wrought-iron grilles for shops; and £3 10s 0d for hanging sign in Mitchell Lane.
- 110:** For ventilators in 'Times case rm' and 'Mid building'.
- 111:** For 'floor in Tower, in lavy. & marble steps in shop'; and 'marble at editor's and assistant editor's fireplaces.'
- 112:** Incudes 'cork for machine seats' and 'cork deafening in Mitchell Lane Bdg.'
- 113:** For 'silicating ladders etc. of front Bdgs.'
- 114:** For 'lifting grills at Buchanan St. ' and 'iron grill in Mitchell St entrance.'
- 115:** Comprises £110 7s 9d for 'portion of a/c supervised by J.K. for carpets, linoleum etc.' and £120 0s 0d for 'linoleum, furniture, etc.'
- 116:** For 'grates in managers & accountants rms.'
- 117:** For 'luxfer canopies in Fulton's office.'
- 118:** Includes grilles enclosing lifts; safe doors; gates; wrought-iron doors; 'window stanchions'; and 'window standards'.
- 119:** Includes 'iron railing and f[ire] p[roof] doors', and 'gate at close and extra in lifts'.
- 120:** 'Including Mr Wallace's room lavatories mid stair etc.'
- 121:** 'joiners per hour 1/-; apprentices 6d; materials at cost + 15pc; block flooring 7/3 per yd.'
- 122:** £315 for 'electric lift at Mitchell St.' and £47 for 'frontal speed reduction'.
- 123:** £18 for 'safety gear for balance weight' and £25 10s for 'collapsible gates and wire netting'.

- 124:** For 'marble & tiles at entrance Mitchell Street.'
- 125:** For 'marble steps & platt at front of lift in Buchanan Street with marble at walls up to first platt.'
- 126:** For 'Wrot Iron Grille'.
- 127:** For '11 stations'.
- 128:** For 'Glass at vestibule'.
- 129:** Includes 'work in Findlay & Holms' warehouse', 'editorial & Mitchell Street Entrance' and 'alterations at Editorial'.
- 130:** For 'marble at Buchanan St & tiles in Mitchell Street.'
- 131:** The job-book entries suggest that Aitkin's fees were included in payments made to other contractors.
- 132:** The job-book entry suggests that Colvin's fee was included in payments made to other contractors.
- 133:** For 'hoist at McDougall's.'
- 134:** For 'message lift for proofs.'
- 135:** For 'Collapsible Gates etc.'
- 136:** For 'fittings for Holms & Co.'
- 137:** For 'fittings for Holms & Co.'
- 138:** For 'fittings for Holms & Co.'
- 139:** For 'fittings for Holms & Co.'
- 140:** For 'fittings for Holms & Co.'
- 141:** For 'fittings for Holms & Co.'
- 142:** For 'fittings for Holms & Co.'
- 143:** 'value of old materials £43 3s 6d'; '½ measurer's fee £26 15s 0d'
- 144:** For 'Collapsible Gates etc.'
- 145:** 'Measurer's fee ½ £7 7s'.
- 146:** This represents half the measurer's fee. The other half 'has been retained from contractors'.
- 147:** Includes £7 0s 0d for pitch pine sheathing.
- 148:** For anthracite stove and grates.
- 149:** Includes £95 8s 0d for 'despatch [illeg.]', tendered on 9 May 1914.
- 150:** For 'synchronome clock and barometer'.
- 151:** For brass name plates and 'metal frames at close'; also for four 'gunmetal silver oxidised' frames, tendered for on 25 October 1914.
- 152:** For thirty mahogany stools.
- 153:** For 'alterations at lavys. at Machine & Despatch Rm'
- 154:** For screen at balcony in Printing Shop.
- 155:** For screen at balcony in Printing Shop.
- 156:** Includes £24 0s 0d for 'jobbing mason work at manager's rm. & front office'; 'work at artist's room, machine rm.lavatory; despatch rm. lavy & File Room 3rd floor, and fireplaces at library'; and 'cutting & opening thro' wall and work at Page & Sandeman's office'.
- 157:** For 'Synchronome case & barometer'.
- 158:** For nameplates and 'department notices on sides of pillars at counters'.

159: For 'screen at balcony'.

160: 'The total a/c is £61 13s, the contractors' ½ of measuring included in the measurements passed.'

Mackintosh Architecture: Context, Making and Meaning

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