

## M068 Grain stores, Cheapside Street

### Introduction

John Honeyman & Keppie designed a seven-storey, fifteen-bay palazzo-style warehouse for the storage of grain near Glasgow docks.

**Authorship:** There are annotations in Mackintosh's hand on the drawings submitted to the Glasgow Dean of Guild Court.

**Alternative addresses:** 104 and 120 Cheapside Street

**Cost from job book:** Phase 1: £10,770 9s 1½d; Phase 2: £5,275 17s 10½d

**Status:** Demolished in 1960s

**RCAHMS Site Number:** NS56NE 1506

**Grid reference:** NS 5793 6513

### Chronology

#### 1892

26 May: Glasgow Dean of Guild Court approval granted. <sup>1</sup>

11 June: Contractor tenders submitted. <sup>2</sup>

12 July: Work begins on site. <sup>3</sup>

#### 1893

19 January: Second floor under construction. <sup>4</sup>

11 August: Final visit by inspector. <sup>5</sup>

20 November: Contractors paid. <sup>6</sup>

#### 1952

Arbuckle, Smith & Co. Ltd now occupy 120 Cheapside Street. <sup>7</sup>

#### 1957

13 December: Alterations for Arbuckle, Smith & Co. Ltd at 76/118 Cheapside Street. <sup>8</sup>

#### 1960

The S. portion of the building is a tobacco bond (a secure warehouse where goods on which duty is due are stored) belonging to Glasgow Tobacco Warehouse Co. Ltd. The central and N. sections, the premises of Arbuckle, Smith & Co. Ltd., contain whisky bonds. <sup>9</sup>

28 March: A devastating fire destroys the building and neighbours to the N., and seriously damages adjacent buildings in Cheapside Street and Warroch Street. Fourteen members of Glasgow Fire Brigade and five of Glasgow Salvage Corps lose their lives. <sup>10</sup>

### Description

#### Background

In 1892 John Honeyman & Keppie were commissioned to design a substantial grain store in Cheapside Street in the rapidly developing, densely populated industrial district of Anderston, immediately W. of Glasgow city centre. The grain store was sited a short distance from docks on the Clyde at Broomielaw and Anderston Quay, a location typical for storage warehouses. <sup>1</sup>

During the 19th and early 20th century the word 'warehouse' was used to describe two sorts of buildings: buildings used for storage, and retail establishments that today would be called department stores. The former type of warehouse was designed to provide flexible storage for products such as grain, tobacco or tea, to be fireproof, and to be secure with small, often barred, windows. <sup>2</sup>

Several drawings submitted to the Glasgow Dean of Guild Court in May 1892 are annotated in Mackintosh's hand, suggesting that he was involved to some extent. The building was demolished in the 1960s, so the 1892 drawings and photographs dated c. 1910 and c. 1960 are the only sources on which to base this description.

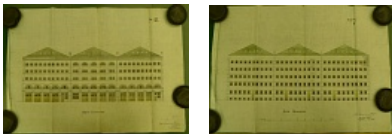


## Exterior

The store had seven floors and was built in three discrete sections divided by two internal walls. It was constructed of brick as was typical for warehouses at the time, <sup>3</sup> except at the ground and first floors on the E. elevation – the main facade to Cheapside Street – where the piers with pilasters and arches were ashlar sandstone with walls of stugged, snecked rubble between. Fifteen giant arches at street level, stringcourses, bands of small windows and the deep cornice above gave the facade a strong horizontal emphasis. Such features, modelled on northern Italian Renaissance palazzi, were commonly found in 19th-century offices and warehouses and perhaps 'reminded the Victorians of another vigorous commercial world'. <sup>4</sup>

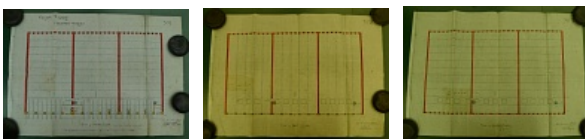
Although appearing symmetrical, the store was built for two distinct clients: R. & A. Ewing in the S. and central sections, and William McHarg in the N. section. The giant arches, containing entrance doors with cast-iron lintels resting on corbels and semicircular, tripartite windows above, suggested a single floor but in fact concealed two: the cornice concealed the fifth floor which was lit by glazed sections in the hipped roof. The bands of identical small windows in the W. elevation to Warroch Street also emphasised the horizontal lines of the building. Interestingly, even though the completed building had a homogeneous appearance, entries in the John Honeyman & Keppie job books show that each client's commission was tendered for and costs recorded separately. Ultimately, the same group of contractors constructed the entire building.

Although plainer, the ground- and first-floor facade of the E. elevation and the cast-iron lintels resting on corbels were reminiscent of John Honeyman & Keppie's 1890 Skin and Hide Market in Greendyke Street. The lintels, rolled-steel beams and cast-iron columns appeared again later at the Glasgow Herald and Daily Record buildings.



## Interior

A modular structural system of cast-iron columns and beams, with timber floor joists (except at the first floor where the joists seem to have been cast iron), created vast open floors contained only by the internal brick walls dividing the three sections of the store. Within the Ewing premises, workers passed between the two sections via narrow iron doors on each floor. Tight spiral staircases in Ewing's and McHarg's premises allowed movement between floors. Grain was moved vertically through rows of square hatches at the E. end of each floor using 'hoists and lowering apparatus'. Narrow hatches to the W. of these in the Ewing store suggest that some type of belt or part of the lowering apparatus was driven from the basement.



## Later history

The two sections of the grain store continued to be operated by William McHarg, McHarg & Stewart and Samuel McHarg & Co. until the early 1950s. <sup>5</sup> Ewing's business disappeared from the Post Office directories before 1905. Subsequently, the entire building was owned by the warehousing and shipping company Arbuckle, Smith & Co., who also owned further buildings on Cheapside Street to the N. of the store, and carried out alterations across their premises in 1957–9. <sup>6</sup> It seems likely that the windows of the central and N. sections of the store were blocked up at this time, as these sections of the building were henceforth used as a whisky bond (a secure warehouse where goods on which duty is to be paid are stored: duty is paid on release from storage). By 1960, the S. section of the store had been separated and was a tobacco bond owned by another company. <sup>7</sup>



On 28 March 1960, the Cheapside Street store made a profound mark on Glasgow. A devastating explosion and fire in the whisky bond destroyed the

building, its contents and adjacent buildings to the N., and caused serious damage to many other buildings in Cheapside Street and Warroch Street. Fourteen members of the Glasgow Fire Brigade and five members of the Glasgow Salvage Corps lost their lives.<sup>8</sup> Following the fire, the ruins of the store were demolished. Later in the 1960s Anderston was designated a Comprehensive Development Area and most of the remaining buildings in Cheapside Street were demolished.<sup>9</sup>

## People

### Clients:

- R. & A. Ewing
- William McHarg

### Contractors:

- Bell, Hornsby & Co.
- W. H. Dinsmore
- P. & R. Fleming
- Fyfe & Allan
- Hutcheson & Grant
- 
- William McGeoch, Kemp & Co.
- McInnes & McLachlan
- John McOwat & Son
- Robinson, Dunn & Co.
- Spencer & Co.

## 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 M068 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 M068 has been extracted from the job books:



Job book: 53059  
Page: 178



Job book: 53059  
Page: 180



Job book: 53059  
Page: 182

**Client:** R. & A. Ewing

**Measurer:** W. H. Dinsmore

### Tenders:

Contractor	Type	Address	Date	Value	Accepted
Bell, Hornsby & Co.	mason & brick	no data in job book	11 June 1892	£3185 0s 0d	yes (no data in job book)
Green & MacCallum	mason & brick	44 Possil Road	11 June 1892	£3260 0s 0d	no
John Paterson & Son	mason & brick	3 Dixon Street	11 June 1892	£3349 0s 0d	no
John Porter	mason & brick	Janefield, London Road	11 June 1892	£3327 0s 0d	no

William Findlay	mason & brick	17 McAslin Street	11 June 1892	£4207 0s 0d	no
James Goldie & Sons	mason & brick	40 St Enoch Square	11 June 1892	£3250 0s 0d	no
P. & W. Anderson	mason & brick	Bothwell Street	11 June 1892	'returned with thanks'	no
Alexander Eadie & Son	mason & brick	280 Cathcart Road	11 June 1892	£3543 0s 5d	no
William Shaw & Sons	mason & brick	94 Commerce Street	11 June 1892	£3700 10s 0d	no
Anderson & Henderson	mason & brick	44 West Campbell Street	11 June 1892	£4672 0s 0d	no
Hutcheson & Grant	joiner	32 Gardner Street	11 June 1892	£2800 0s 0d	yes ( )
James Maben & Co.	joiner	66 Eglinton Street	11 June 1892	£3057 7s 9½d	no
Miller & Murray	joiner	187 Pollockshields Road	11 June 1892	£3102 14 4½d	no
G. Robertson	joiner	19 Granville Street	11 June 1892	no data in job book	no
William Cowan & Sons	joiner	95 Bishop Street	11 June 1892	no data in job book no data in job book	no
William Allan & Cowan	joiner	27 Seymour Street	11 June 1892	£3080 0s 0d	no
Hamilton Marr & Son	joiner	150 Bothwell Street	11 June 1892	£2993 4s 7¾d	no
Alexander Eadie & Son	joiner	no data in job book	11 June 1892	£2803 9s 3d	no
William Shaw & Sons	joiner	no data in job book	11 June 1892	£2934 11s 5d	no
Anderson & Henderson	joiner	no data in job book	11 June 1892	£3151 14s 2d	no
James Ingleton & Co.	plumber	168 George Street	11 June 1892	£185 0s 0d	no
William Anderson	plumber	284 Buchanan Street	11 June 1892	£187 2s 0d	no
James Johnstone & Son	plumber	130 Renfield Street	11 June 1892	£180 0s 0d	no
Fyfe & Allan	plumber	476 Sauchiehall Street	11 June 1892	£175 0s 0d	yes (no data in job book)
Crawford & Bain	plumber	587 Victoria Road, Pollockshields	11 June 1892	£212 15s 6d	no
Alexander Eadie & Son	plumber	no data in job book	11 June 1892	£200 19s 3d	no
William Shaw & Sons	plumber	no data in job book	11 June 1892	£197 0s 0d	no
Anderson & Henderson	plumber	no data in job book	11 June 1892	£217 14s 5d	no
Brown & Young	plumber	no data in job book no data in job book	11 June 1892	£190 0s 0d	no
P. & R. Fleming	iron work	29 Argyle Street	11 June 1892	£2993 1s 0d	'Cancelled' is entered next to all tenders for iron work.
P. & W. McLellan	iron work	129 Trongate	11 June 1892	£3219 4s 4d	'Cancelled' is entered next to all tenders for iron work.
James McMillan	iron work	57 Scott Street, Port Dundas	11 June 1892	no data in job book	'Cancelled' is entered next to all tenders for iron work.

Moses McCulloch & Co.	iron work	168 Gallowgate	11 June 1892	£2972 5s 7d	'Cancelled' is entered next to all tenders for iron work.
J. & A. Law	iron work	Pinkston Iron Works	11 June 1892	£2828 5s 7d	'Cancelled' is entered next to all tenders for iron work.
Rudolph A. Stoffert	iron work	no data in job book	11 June 1892	£2850 0s 0d	'Cancelled' is entered next to all tenders for iron work.
Alexander Eadie & Son	iron work	no data in job book	11 June 1892	£2819 5s 9d	'Cancelled' is entered next to all tenders for iron work.
William Shaw & Son	iron work	no data in job book	11 June 1892	£2853 17s 4d	'Cancelled' is entered next to all tenders for iron work.
Anderson & Henderson	iron work	no data in job book	11 June 1892	£3153 12s 3d	'Cancelled' is entered next to all tenders for iron work.
A. & D. MacKay	slater	35 Oswald Street	11 June 1892	£178 0s 0d	no
Thomas Black	slater	11 Peel Street, Partick	11 June 1892	£182 4s 0d	no
John Anderson	slater	362 Parliamentary Road	11 June 1892	£178 4s 4d	no
John Morrison & Sons	slater	43 Queen Street	11 June 1892	£170 14s 8d	no
John McOwat & Son	slater	98 London Street	11 June 1892	£168 0s 0d	yes (no data in job book)
A. & M. Ross & Sons	slater	no data in job book	11 June 1892	£192 8s 0d	no
Alexander Eadie & Son	slater	no data in job book	11 June 1892	£178 5s 4d	no
William Shaw & Son	slater	no data in job book	11 June 1892	£172 13s 0d	no
Anderson & Henderson	slater	no data in job book	11 June 1892	£171 17s 6d	no
P. & R. Fleming	rolled iron work	no data in job book	11 June 1892	£798 3s 0d	yes (no data in job book)
	cast iron work	no data in job book	11 June 1892	£1898 9s 10d	yes (no data in job book)
Spencer & Co.	lifting apparatus etc	no data in job book	12 December 1892	£719 0s 0d	yes (no data in job book)

#### Payments (trades):

Name	Type	Payment out sum
Bell, Hornsby & Co.	mason & brick	<b>Payment date:</b> 20 November 1893 £3502 7 10½d <sup>1</sup>
Hutcheson & Grant	joiner	<b>Payment date:</b> 20 November 1893 £3260 0s 0d <sup>2</sup>
Fyfe & Allan	plumber	<b>Payment date:</b> 20 November 1893 £341 8s 9d <sup>3</sup>
John McOwat & Son	slater	<b>Payment date:</b> 20 November 1893 £151 11s 7d <sup>4</sup>
P. & R. Fleming	rolled iron work	<b>Payment date:</b> 20 November 1893 £809 2s 8d <sup>5</sup>
	cast iron work	<b>Payment date:</b> 20 November 1893 £1718 0s 0d <sup>6</sup>
Spencer & Co.	lifting apparatus etc	<b>Payment date:</b> September 30 [1893] £874 7s 17d <sup>7</sup>

#### Payments (suppliers):

Name	Service	Payment date	Payment sum
McInnes & McLachlan	stove	7 August 1893	£2 10s 7d
Robinson, Dunn & Co.	'boards for dividing grain'	20 November 1893	£9 17s 1d
Glasgow	'lifting & relaying hydrants for drains'	20 November 1893	£12 11s 2d

**Measurer fee payment:** £88 11s 0d <sup>8</sup> (20 November 1893)

## Phase 2: Grain store, 1892–3



Job book: 53059  
Page: 184



Job book: 53059  
Page: 186



Job book: 53059  
Page: 188

**Client:** William McHarg

**Measurer:** W. H. Dinsmore

### Tenders:

Contractor	Type	Address	Date	Value	Accepted
Bell, Hornsby & Co.	mason & brick	no data in job book	11 June 1892	£1835 0s 0d	yes ( )
Green & McCallum	mason & brick	no data in job book	11 June 1892	£1766 9s 5d	no
John Paterson & Son	mason & brick	no data in job book	11 June 1892	£1924 15s 6d	no
John Porter	mason & brick	no data in job book	11 June 1892	£1864 0s 0d	no
William Lindsay	mason & brick	no data in job book	11 June 1892	£2252 13s 7d	no
James Goldie & Son	mason & brick	no data in job book	11 June 1892	£1788 8s 0d	no
P. & W. Anderson	mason & brick	no data in job book	11 June 1892	'returned with thanks'.	no
Alexander Eadie & Son	mason & brick	no data in job book	11 June 1892	£1913 19s 8d	no
William Shaw & Son	mason & brick	no data in job book	11 June 1892	£2007 18s 5d	no
Anderson & Henderson	mason & brick	no data in job book	11 June 1892	£2249 0s 0d	no
Hutcheson & Grant	wright	no data in job book	11 June 1892	£1410 0s 0d	yes (no data in job book)
James Maben & Co.	wright	no data in job book	11 June 1892	£1538 18s 10½d	no
Miller & Murray	wright	no data in job book	11 June 1892	£1512 3s ¾d	no
William Allan & Cowan	wright	no data in job book	11 June 1892	£1547 0s 0d	no
William Cowan & Sons	wright	no data in job book	11 June 1892	no data in job book	no
Hamilton Marr & Co.	wright	no data in job book	11 June 1892	£1502 4s 1½d	no
Alexander Eadie & Son	wright	no data in job book	11 June 1892	£1412 2s 0d	no

William Shaw & Son	wright	no data in job book	11 June 1892	£1475 13s 5d	no
Anderson & Henderson	wright	no data in job book	11 June 1892	£1590 17s 4d	no
James Ingleton & Co.	plumber	no data in job book	11 June 1892	£98 0s 0d	no
William Anderson	plumber	no data in job book	11 June 1892	£96 18s 9d	no
James Johnstone	plumber	no data in job book	11 June 1892	£92 0s 0d	no
Fyfe & Allan	plumber	no data in job book	11 June 1892	£90 0s 0d	yes (no data in job book)
Brown & Young	plumber	no data in job book	11 June 1892	£98 0s 0d	no
Crawford & Bain	plumber	no data in job book	11 June 1892	£110 12s 4d	no
Alexander Eadie & Son	plumber	no data in job book	11 June 1892	£105 4s 7d	no
William Shaw & Son	plumber	no data in job book	11 June 1892	£104 1s 5d	no
Anderson & Henderson	plumber	no data in job book	11 June 1892	£112 15s 5d	no
P. & R. Fleming	iron work	no data in job book	11 June 1892	£1446 18s 4d	'Cancelled' is entered next to all tenders for iron work.
P. & W. McLellan	iron work	no data in job book	11 June 1892	£1557 6s 7d	'Cancelled' is entered next to all tenders for iron work.
James McMillan	iron work	no data in job book	11 June 1892	no data in job book	'Cancelled' is entered next to all tenders for iron work.
Moses McCulloch	iron work	no data in job book	11 June 1892	£1431 18s 0d	'Cancelled' is entered next to all tenders for iron work.
J. & A. Law	iron work	no data in job book	11 June 1892	£1378 2s 5d	'Cancelled' is entered next to all tenders for iron work.
Alexander Eadie & Son	iron work	no data in job book	11 June 1892	£1366 3s 11d	'Cancelled' is entered next to all tenders for iron work.
William Shaw & Son	iron work	no data in job book	11 June 1892	£1419 0s 0d	'Cancelled' is entered next to all tenders for iron work.
Anderson & Henderson	iron work	no data in job book	11 June 1892	£1518 5s 6d	'Cancelled' is entered next to all tenders for iron work.
Rudolph A. Stoffert	iron work	no data in job book	11 June 1892	£1386 0s 0d	'Cancelled' is entered next to all tenders for iron work.
Bladen & Co.	iron work	no data in job book	11 June 1892	£1129 5s 6d	'Cancelled' is entered next to all tenders for iron work.
A. & D. MacKay	slater	no data in job book	11 June 1892	£87 15s 0d	no
Thomas Black	slater	no data in job book	11 June 1892	£89 13s 3½d	no
John Anderson	slater	no data in job book	11 June 1892	£87 15s 3d	no
John Morrison & Son	slater	no data in job book	11 June 1892	£84 2s 8d	no
John McOwat & Son	slater	no data in job book	11 June 1892	£82 0s 0d	yes (no data in job book)
A. M. Ross & Son	slater	no data in job book	11 June 1892	£94 15s 3d	no
Alexander Eadie & Son	slater	no data in job book	11 June 1892	£87 15s 9d	no

William Shaw & Son	slater	no data in job book	11 June 1892	£85 0s 6d	no
Anderson & Henderson	slater	no data in job book	11 June 1892	£84 10s 9d	no
P. & R. Fleming	rolled iron work	no data in job book	11 June 1892	£350 7s 6d	yes (no data in job book)
	cast iron work	no data in job book	11 June 1892	£949 2s 5d	yes (no data in job book)
Spencer & Co.	lifting apparatus etc	no data in job book	12 December 1892	£289 0s 0d	yes (no data in job book)

#### Payments (trades):

Name	Type	Payment out sum
Bell, Hornsby & Co.	mason & brick	<b>Payment date:</b> 20 November 1893 £1883 4s 10d <sup>9</sup>
Hutcheson & Grant	wright	<b>Payment date:</b> 20 November 1893 £1611 11s 2d <sup>10</sup>
Fyfe & Allan	plumber	<b>Payment date:</b> 20 November 1893 £161 15 9½d <sup>11</sup>
John McOwat & Son	slater	<b>Payment date:</b> 20 November 1893 £76 12s 9d <sup>12</sup>
P. & R. Fleming	rolled iron work	<b>Payment date:</b> 20 November 1893 £374 6s 0d <sup>13</sup>
	cast iron work	<b>Payment date:</b> 20 November 1893 £860 10s 0d <sup>14</sup>
Spencer & Co.	lifting apparatus etc	<b>Payment date:</b> 29 June 1893 £255 4s 10d <sup>15</sup>

#### Payments (suppliers):

Name	Service	Payment date	Payment sum
no data in job book	'shifting and relaying grating in Cheapside Street, to the city'.	21 June 1893	£2 17s 9d
William McGeoch, Kemp & Co.	'grates in offices'	20 November 1893	£4 5s 0d

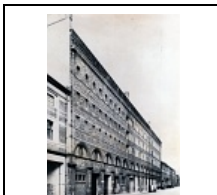
**Measurer fee payment:** £45 19s 9d (no data in job book)

## Documents

## Images



McHarg & Stewart grain store, Cheapside Street, c. 1910



Bonded warehouse, Cheapside Street, 1950s

## Bibliography

### Unpublished

- Glasgow City Archives Collection: Dean of Guild Court, Register of Inspections, D-OPW 25/6, p. 86



- Glasgow City Archives Collection: Strathclyde Fire Brigade Collection, *FIRE Special Supplement*, 'Glasgow: Personal Observations by the Firemaster', September 1960, research report, TD 1431/2/32

## Notes:

- 1: Glasgow City Archives Collection: Dean of Guild Court, Register of Inspections, D-OPW 25/6, p. 86.
- 2: The Hunterian, University of Glasgow: John Honeyman & Keppie job book, GLAHA 53059, pp. 178, 180.
- 3: Glasgow City Archives Collection: Dean of Guild Court, Register of Inspections, D-OPW 25/6, p. 86.
- 4: Glasgow City Archives Collection: Dean of Guild Court, Register of Inspections, D-OPW 25/6, p. 86.
- 5: Glasgow City Archives Collection: Dean of Guild Court, Register of Inspections, D-OPW 25/6, p. 91.
- 6: The Hunterian, University of Glasgow: John Honeyman & Keppie job book, GLAHA 53059, pp. 179, 181, 183.
- 7: *Glasgow Post Office Directory*, 1952–3, p. 753.
- 8: Glasgow City Archives Collection: Dean of Guild Court, Register of Inspections, D-OPW 19/45, p. 159. Work discharged by the Dean of Guild Court on 17 April 1959.
- 9: Glasgow City Archives Collection: Strathclyde Fire Brigade Collection, *FIRE Special Supplement*, 'Glasgow: Personal Observations by the Firemaster', September 1960, research report, TD 1431/2/32, p. xi.
- 10: 'Cheapside Street 50 years on', [www.strathclydefirepreservationgroup.org](http://www.strathclydefirepreservationgroup.org) [accessed 14 March 2011].
- 11: John R. Hume, *Industrial Archaeology of Glasgow*, Glasgow and London: Blackie, 1974, p. 97.
- 12: John R. Hume, *Industrial Archaeology of Glasgow*, Glasgow and London: Blackie, 1974, p. 99; Nikolaus Pevsner, *A History of Building Types*, London: Thames & Hudson, 1976, pp. 216–18.
- 13: John R. Hume, *Industrial Archaeology of Glasgow*, Glasgow and London: Blackie, 1974, p. 97.
- 14: Roger Dixon and Stefan Muthesius, *Victorian Architecture* London: Thames & Hudson, 1978, p. 131.
- 15: *Glasgow Post Office Directory*, 1950–1, p. 764.
- 16: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 19/45, p. 159.
- 17: Glasgow City Archives Collection: Strathclyde Fire Brigade Collection, *FIRE Special Supplement*, 'Glasgow: Personal Observations by the Firemaster', September 1960, research report, TD 1431/2/32, p. xi.
- 18: 'Cheapside Street 50 years on', [www.strathclydefirepreservationgroup.org](http://www.strathclydefirepreservationgroup.org) [accessed 14 March 2011].
- 19: David Glenday, *Anderston As It Was*, Glasgow: Glasgow City Libraries, 1992, p. 9. In 2010 a memorial stone to the victims of the 1960 fire was unveiled close to the former site of the building: *Herald*, 31 August 2010, p. 5.
- 20: £3469 7s 10½d entered adjacent.
- 21: £3231 0s 10d entered adjacent.
- 22: £337 19s 8d entered adjacent.
- 23: £150 1s 7d entered adjacent.
- 24: £802 0s 0d entered adjacent.
- 25: £1703 0s 0d entered adjacent.
- 26: 'Gas engine self starter, lowering apparatus etc spouts £116. altering shafting £5 5s 2d. spouts for weighing £5 15s 0d. electric bells £6. extra bell £1 6s 0d. belt tightener £1 17s 0d. lubricant 15s 9d. Spare gear £8 9s 6d.'
- 27: ½ measurer's fee.
- 28: £1865 14s 10d entered adjacent.
- 29: £1597 0s 0d entered adjacent.

**30:** £160 2s ½d entered adjacent.

**31:** £75 17s 9d entered adjacent.

**32:** £371 0s 0d entered adjacent.

**33:** £853 0s 0d entered adjacent.

**34:** For 'hoists & lowering apparatus'; 'extras'.

## Mackintosh Architecture: Context, Making and Meaning

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