

M137 British and Foreign Aerated Water Co. Ltd

Introduction

This severely utilitarian brick-built factory was intended for the manufacture of fizzy drinks.

Authorship: When advertised for sale in December 1903, the factory was said to have been designed by John Keppie. Mackintosh wrote numerous notes relating to ironwork and sewerage on the drawings approved by the Glasgow Dean of Guild Court in March 1897 and must therefore have been directly involved in the project, but the extent of his contribution to the design is not clear.

The factory was included on a list of Mackintosh's works and a list of drawings compiled in the 1930s by Ronald Harrison, an early student of his architecture who had access to the office records. It seems Harrison believed that Mackintosh was responsible for 'two fireplaces' at the factory but without further information it is not possible to say whether Mackintosh had any design input.

Alternative names: Packham & Co.; Argyle Cycles; Scottish Adhesives Co. Ltd.

Alternative addresses: Burns Street Caithness Street Garscube Cross

Cost from job book: £5359 10s 10½d

Cost from other sources: 'The works are a Substantial and Commodious building, erected by the Company in the year 1898 at a cost, including the price of the Site, of upwards of £7000, to plans prepared by Mr John Keppie, Architect, Glasgow.'¹

Status: Standing building

Current name: The Glue Factory (2014)

Current use: Studios and arts venue

RCAHMS Site Number: NS56NE 1093

Grid reference: NS 5870 6686

Chronology

1897

January: Plans of proposed factory drawn by John Honeyman & Keppie.¹

11 February: Plans approved by Glasgow Dean of Guild Court.²

15 July: Digging of foundations under way.³

1899

January–February: Final payments to principal contractors and measurer.⁴

27 April: Completed building discharged by Glasgow Dean of Guild Court inspector.⁵

Description

Context and authorship

This factory for the manufacture of 'aerated' or 'mineral' waters (fizzy drinks such as lemonade and soda water) lies 1.5 km N.W. of Glasgow city centre, just 100 metres from the industrial artery of the Forth & Clyde Canal. John Honeyman & Keppie's client, the British & Foreign Aerated Water Co. Ltd, previously operated from premises in nearby New City Road. Its new factory seems to have been erected in phases, beginning in July 1897 with the W. wing, but construction evidently proceeded slowly, and final payments to the principal contractors were not made until January and February 1899.¹

In 1903 the factory was described as having been designed by John Keppie.² Mackintosh wrote numerous notes relating to ironwork and sewerage on the

drawings approved by the Dean of Guild Court in March 1897, which indicates that he was directly involved in the project, but the extent of his contribution is not clear. The factory was included on a list of Mackintosh's works compiled in the 1930s by Ronald Harrison, an early student of his architecture who had access to the records of John Honeyman & Keppie. It seems Harrison believed that Mackintosh was responsible for 'two fireplaces' at the factory, and in another list he recorded making a tracing of a half-inch scale drawing of one of these. No fireplaces survive in the building today (2012), and the whereabouts of Harrison's tracing and the original fireplace drawing are unknown.

Design

The two-storey factory lies along the S. side of Farnell Street (formerly known as Fleming Street), which slopes upwards towards the canal, so that the sills of the ground-floor windows become higher from W. to E. The rear, including the former loading bay, is in parallel Caithness Street. A cross wing at the W. end originally contained a beer store and beer bottling department, while at the E. end were the engine house and stables, with caretaker's house above. In the long middle section, the ground floor comprised rooms for bottling and packing mineral water, plus small public and private offices, while on the floor above were the laboratory and a large storage area.

The design is completely utilitarian. External walls are of brick (the Farnell Street elevation was rendered at some time in the late 20th or early 21st century), with square-headed windows – many now bricked-up – divided by unrounded red sandstone mullions. Inside, iron columns and beams support the timber floors. The roof trusses are also of iron.



Later history

On 2 June 1903, the owners went into voluntary liquidation.³ The factory was advertised for sale in December that year (when John Keppie was named as its architect).⁴ It was acquired by Messrs Packham & Co., another mineral water manufacturer, and photographs showing the building in use by its new owners were published in the *Victualling Trades Review* in 1905.⁵ In the later 20th century, the factory was occupied by Argyle Cycles and the Scottish Adhesives Co. Ltd.



People

Clients:

- British & Foreign Aerated Water Co. Ltd

Contractors:

- James L. Arnot
- Barr & Knox
- William Cowan & Son
- William Forbes
- Glasgow Corporation
- James Goldie & Son
- James Goodlet
- George Hutcheson
- James Hutcheson
- P. & W. MacLellan
- Donald McDougal
- John McOwat & Son
- Mitchells, Johnston & Co.
- A. & P. Steven
- W. G. Walker & Sons
- Wylie & Lochhead

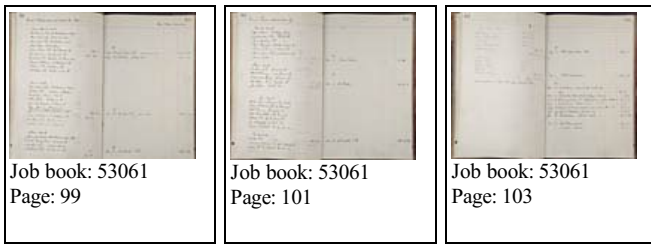
Job Book

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 M137 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 M137 has been extracted from the job books:



Client: British & Foreign Aerated Water Co. Ltd

Measurer: Barr & Knox

Tenders:

Contractor	Type	Address	Date	Value	Accepted
Bell Hornby & Co.	mason & brick work	176 Pollokshaws Road	no data in job book	£3570 0s 0d	no
Robert Corbet & Sons	mason & brick work	23 Onslow Drive	no data in job book	£3360 0s 0d	no
Alex Eadie & Son	mason & brick work	280 Cathcart Road	no data in job book	no data in job book	no
John Gibbon	mason & brick work	7 Ward Street	no data in job book	£3145 0s 0d	no
James Goldie & Son	mason & brick work	52 St Enoch Square	no data in job book	£3118 10s 0d ¹	yes
P. & W. Anderson	mason & brick work	64 Douglas Street	no data in job book	£3441 0s 0d	no
George Barlas & Co.	mason & brick work	Ruthven Street, Kelvinside	no data in job book	no data in job book	no
Daniel McCallum	mason & brick work	140 Bothwell Street	no data in job book	£3380 0s 0d	no
Guthrie & Co.	mason & brick work	68 Kelvin Street	no data in job book	£3240	no
William Shaw & Co.	mason & brick work	94 Commerce Street	no data in job book	£3300 0s 0d	no
Alex Eadie & Son	joiner	280 Cathcart Road	no data in job book	no data in job book	no
Guthrie & Co.	joiner	68 Kelvin Street	no data in job book	£2226 0s 0d	no
Hutcheson & Grant	joiner	Pitt Street	no data in job book	£2278 0s 0d	no
Allan Park	joiner	29 Rupert Street	no data in job book	£2247 0s 0d	no
Andrew Micklejohn	joiner	21 Rupert Street	no data in job book	£2225 0s 0d	no
Thomas Brown	joiner	Rottenrow	no data in job book	£2299 0s 0d	no
William Cowan & Son	joiner	Bishop Street, Port Dundas	no data in job book	£2198 19s 8d ²	yes
Archibald McFarlane	joiner	21 Cathedral Street	no data in job book	£2248 0s 0d	no

William Shaw & Son	joiner	94 Commerce Street	no data in job book	£2229 0s 0d	no
Matthew Henderson	joiner	Grant Street	no data in job book	no data in job book	no
John Anderson	slater	362 Parliamentary Road	no data in job book	£360 0s 0d	no
A. & D. MacKay	slater	Oswald Street	no data in job book	£330 0s 0d	no
A. M. Ross & Son	slater	10 Ann Street	no data in job book	£368 0s 0d	no
John McOwat & Son	slater	98 London Street	no data in job book	£301 0s 0d ³	yes
Fyfe & Allan	plumber	St George's Road	no data in job book	£270	no
James Johnstone & Son	plumber	130 Renfield Street	no data in job book	£275 10s 0d	no
James Ingleton & Co.	plumber	George Street	no data in job book	£261 0s 0d	no
Charles Cameron	plumber	219 Cambridge Street	£281 15s 0d	no data in job book	no
Brown & Young	plumber	7 Bath Street	no data in job book	£271 0s 0d	no
Moses Speirs & Sons	plumber	95 Bothwell Street	no data in job book	£269 7s 0d	no
James Goodlet	plumber	no data in job book	no data in job book	£257 14s 6d ⁴	yes
George Rome & Co.	plaster	Waterloo Street	no data in job book	£65 19s 5d	no
R. A. McGilvray	plaster	West Regent Street	no data in job book	£67 4s 6d	no
D. & J. MacKenzie	plaster	St Vincent Street	no data in job book	£71 9s 0d	no
William Forbes	plaster	West Graham Street	no data in job book	£59 2s 9d ⁵	yes
John Forbes	plaster	Bath Street	no data in job book	£67 6s 1½d	no
J. & A. Law	iron work	Pinkston Iron Works	no data in job book	£562 10s 8d ⁶	no
Moses McCulloch & Co.	iron work	168 Gallowgate	no data in job book	£568 19s 8d ⁷	no
P. & R. Fleming	iron work	29 Argyle Street	no data in job book	£550 7s 7d ⁸	no
P. & W. Maclellan	iron work	129 Trongate	no data in job book	£489 4s 8d ⁹	no
Bladen & Co.	iron work	198 St Vincent Street	no data in job book	£454 19s 10d ¹⁰	no
James McMillan	iron work	57 Scott Street	no data in job book	£765 12s 2d ¹¹	no
Kesson & Campbell	iron work	Carntyne Foundry	no data in job book	£508 17s 4d ¹²	no
Rudolf A. Stoffert	iron work	no data in job book	no data in job book	£458 5s 3d ¹³	no
W. G. Walker & Sons	tar macadam	Ayr	no data in job book	£399 3s 10d ¹⁴	yes
National Asphalt Co.	tar macadam	124 Great Wellington Street	no data in job book	£385 7s 10d	no

Neilson & Co.	tar macadam	116 Bishop Street, Port Dundas	no data in job book	£330 8s 4d	no
Speedwell Chemical Co.	tar macadam	no data in job book	no data in job book	£333 13s 11d	no
P. & R. Fleming	cast iron	no data in job book	no data in job book	£192 12s 3d	no
Kesson & Campbell	cast iron	no data in job book	no data in job book	£212 19s 7d	no
J. & A. Law	cast iron	no data in job book	no data in job book	£204 10s 0d	no
Moses McCulloch & Co.	cast iron	no data in job book	no data in job book	£206 10s 1d	no
P. & W. MacLellan	cast iron	no data in job book	no data in job book	£183 14s 8d ¹⁵	yes
Bladen & Co.	steel	no data in job book	no data in job book	£274 9s 0d	no
Rudolf A. Stoffert	steel	no data in job book	no data in job book	£274 0s 0d	no
P. & R. Fleming	steel	no data in job book	no data in job book	£291 0s 0d	no
P. & W. MacLellan	steel	no data in job book	no data in job book	£270 13s 7d ¹⁶	yes

Payments (trades):

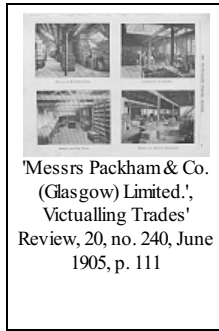
Name	Type	Payment out sum
James Goldie & Son	mason & brick work	Payment date: 3 February 1899 £2148 8s 4d ¹⁷
William Cowan & Son	joiner work	Payment date: 18 January 1899 £1794 11s 10½d
John McOwat & Son	slater	Payment date: 8 July 1898 ¹⁸ £247 17s 8d
James Goodlet	plumber work	Payment date: 11 November 1898 £177 10s 0d
William Forbes	plaster work	Payment date: 10 October 1898 £29 17s 11d
W. G. Walker & Sons	tar macadam	Payment date: 22 July [1898] £329 16s 6½d
P. & W. MacLellan	cast-iron work	Payment date: 6 February 1899 £82 2s 1d
P. & W. MacLellan	steel work	Payment date: 6 February 1899 £150 5s 9d

Payments (suppliers):

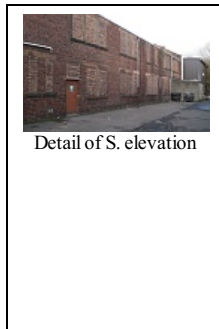
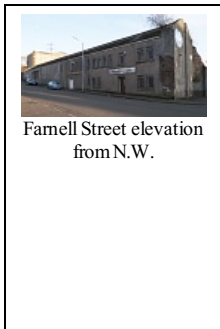
Name	Service	Payment date	Payment sum
A. & P. Steven	'Hydraulic lift with pipes etc.'	4 April [1898]	£88 10s 0d
Glasgow Corporation	'putting in 4" [water] meter'	7 April [1898]	£8 19s 4d
Mitchells, Johnston & Co.	'half of mutual gable at Caithness St.'	26 May [1898]	£54 19s 7d
James Hutcheson	'8 Holland blinds at 6/-'	7 July [1898]	£2 8s 0d
Donald McDougal	'half of mutual gable at Fleming St.'	20 July [1898]	£24 19s 6d
Wylie & Lochhead	'linoleum etc.'	8 September 1898	£10 15s 6d
George Hutcheson	'painter work'	18 January 1899	£67 4s 3½d
James L. Arnot	Inspector	7 February 1899	£37 10s 0d

Measurer fee payment: £103 14s 6d (7 February 1899)

Documents



Images



Bibliography

Published

- John R. Hume, *Industrial Archaeology of Glasgow*, Glasgow and London: Blackie, 1974, p. 166
- *Scotsman*, 8 December 1903, p. 1
- *Victualling Trades Review*, 20, no. 240, June 1905, pp. 110–12

Unpublished

- Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/63, p. 131

Notes:

- 1: *Scotsman*, 8 December 1903, p. 1.
- 2: Glasgow City Archives Collection: Glasgow Dean of Guild Court plans, TD1309/A/108.
- 3: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/63, p. 131.
- 4: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/63, p. 131.
- 5: The Hunterian, University of Glasgow: John Honeyman & Keppie / Honeyman, Keppie & Mackintosh job book, GLAHA 53061, pp. 99–104.
- 6: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/63, p. 131.
- 7: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Register of Inspections, D-OPW 25/63, p. 131; The Hunterian, University of Glasgow: John Honeyman & Keppie / Honeyman, Keppie & Mackintosh job book, GLAHA 53061, pp. 99–104.
- 8: *Scotsman*, 8 December 1903, p. 1.
- 9: *Edinburgh Gazette*, 5 June 1903, p. 589.
- 10: *Scotsman*, 8 December 1903, p. 1.
- 11: *Victualling Trades Review*, 20, no. 240, June 1905, pp. 110–12.

- 12:** 'less 589'.
13: 'less 310'.
14: 'less 29. 0'.
15: 'less 41.'
16: 'less 19. 2. 9.'
17: 'Cancelled' .
18: 'Cancelled' .
19: 'Cancelled' .
20: 'Cancelled' .
21: 'Cancelled' .
22: 'Cancelled' .
23: 'Cancelled' .
24: 'Cancelled' .
25: 'less 22. 3. 10'.
26: 'less 30. 14. 8.'
27: 'less 70. 3. 7.'
28: Includes £45 for 'jobbing a/c'.
29: Should probably be 8 July 1899.

Mackintosh Architecture: Context, Making and Meaning

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