

M325 Jordanhill Demonstration School

Introduction

Honeyman, Keppie & Mackintosh's design won the competition for the Jordanhill Demonstration School for 800 pupils, one of three buildings associated with the Glasgow Provincial Committee for the Training of Teachers' new Jordanhill Training College in N.-W. Glasgow. The practice also entered unsuccessful designs for the Training College and students' hostel: no record of these two designs survives.

Authorship: There are no drawings or written evidence to connect Mackintosh with the successful design for the Demonstration School. He does however appear to have made a contribution to preliminary work. In early 1913 he attended an architects' meeting with the Chairman's sub-committee of the Glasgow Provincial Committee for the Training of Teachers. In 1916 John Keppie was paid for work at the Demonstration School and sent a share of it on to Mackintosh, who was by then living in London. ¹

Alternative names: Jordanhill Training College Demonstration School; Jordanhill Demonstration School; Jordanhill College School.

Cost from job book: £28,109 6s 10d

Cost from other sources: £30,907 15s 6d ²

Status: Standing building

Current use: School (2014)

Listing category: B: Listed as '45 Chamberlain Road, Jordanhill Training College Demonstration School, lodge, gates, gatepiers and quadrant walls'

Historic Scotland/HB Number: 32303

RCAHMS Site Number: NS56NW 57.05

Grid reference: NS 54129 68225

Chronology

1911

20 October: The Chairman's sub-committee of the Glasgow Provincial Committee for the Training of Teachers agrees to advertise in the *Glasgow Herald*, the *Scotsman*, and the *Architects' and Builders' Journal* a limited competition for the new Training College, Demonstration School and hostel. ¹

25 October: Invitation to register interest in the competition appears in the *Glasgow Herald*. ²

6 November: Closing date for registration of interest in the competition. ³

17 November: The Chairman's sub-committee agree to invite six Glasgow architects to submit 'competitive designs for the proposed buildings'. The architects were Andrew Balfour; H. & D. Barclay; John Burnet & Son; Henry Higgins; Honeyman, Keppie & Mackintosh; and MacWhannell, Rogerson & Reid. ⁴

1912

October: Competition conditions issued. ⁵

1913

10 February: Mackintosh represents the practice at a meeting of the competing architects and the Chairman's sub-committee. ⁶

15 May: Competition closing date. ⁷

23 June: Following two adjourned meetings on 16 and 20 June, the Chairman's sub-committee 'unanimously recommended the adoption' of the designs of H. & D. Barclay for the Training College, Honeyman, Keppie & Mackintosh for the Demonstration School and Andrew Balfour for the hostel. ⁸

11 July: Competition results published in the *Builder*. ⁹

28 October: Plans provisionally accepted by the Scotch Education Department. ¹⁰

16 December: John Keppie attends a meeting of the Chairman's sub-committee of the Provincial Education Committee to explain the plans for the Demonstration School. ¹¹

1914

14 January: The departure of Mackintosh from Honeyman, Keppie & Mackintosh as of 31 December 1913 is reported to the Chairman's sub-committee. 'Mr Keppie would carry on the business from that date under the name of Honeyman & Keppie. It has been arranged between the partners of the latter firm that Mr Keppie should undertake the work in connection with the Demonstration School.' ¹²

18 May: Date of 'minute of agreement between Glasgow Provincial Committee and John Keppie, architect of the Demonstration School'. Remuneration is agreed at 5% of the total cost of the building. ¹³

July: Date of drawings submitted to Glasgow Dean of Guild Court. ¹⁴

3 August: Keppie and the other architects meet with the Chairman's sub-committee to consider reductions to the costs estimated by each successful contractor for each building requested by the Scotch Education Department. ¹⁵

15 September: The Chairman's sub-committee agrees on a recalculated estimated cost for the Demonstration School of £30,907 15s 6d. ¹⁶

1 October: Drawings approved by Glasgow Dean of Guild Court. ¹⁷

1916

3 April: A payment from the Provincial Committee is recorded in the practice cashbook. The following line reads, 'received £350, JK took for Mackintosh £250'. ¹⁸

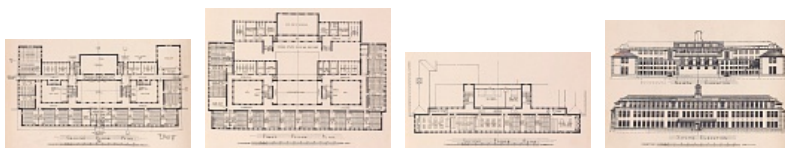
1920

15 November: School opens. ¹⁹

Description

In 1911 the Glasgow Provincial Committee for the Training of Teachers announced a competition for a new Training College, associated Demonstration School (for teaching practice) and a student hostel, all on one site at Jordanhill, N.W. of Glasgow. Mackintosh's departure from Honeyman, Keppie & Mackintosh occurred during the competition. Anecdotal evidence suggests this was due in part to his failure to produce suitable and complete drawings for the three buildings. ¹

Honeyman, Keppie & Mackintosh were awarded the commission for the Demonstration School. Their three-storey, symmetrical, Edwardian classical design, with classrooms arranged largely on the S. side of a single, long corridor, was probably made by Andrew Graham Henderson, and was published in the *Builder* in July 1913, alongside H. & D. Barclay's successful design for the Training College and Andrew Balfour's for the hostel. ² Though apparently inspired by Mackintosh's planning at Scotland Street School and other linear-plan Glasgow Board schools built in the interim, there is no evidence to suggest that Mackintosh made any direct contribution to the successful design. ³ In July 1914 plans were drawn up for the approval of Glasgow Dean of Guild Court.



Mackintosh does however appear to have been involved in the early stages of the competition process. On 10 February 1913 he attended a meeting of the six architects invited to participate and the Chairman's sub-committee. No preliminary designs by Mackintosh survive, but the work he did was remunerated later. On 3 April 1916 a payment from the Provincial Committee is recorded in the practice cash book. The following line reads: 'received £350, JK took for Mackintosh £250'. ⁴

The practice cashbook also records the departure of Mackintosh from the partnership with John Keppie at the beginning of 1914: 'Honeyman & Keppie / CRM left 31 Dec 1913'. ⁵

Mackintosh's departure, which potentially invalidated the practice's provisional agreement with the Glasgow Provincial Committee, was reported in the Committee Chairman's sub-committee minutes on 14 January 1914 with the assurance that 'Mr Keppie would carry on the business from that date under the name of Honeyman & Keppie. It has been arranged between the partners of the latter firm that Mr Keppie should undertake the work in connection with the Demonstration School.' ⁶ The contract for the Demonstration School was signed by Keppie and members of the Provincial Committee on 18 May 1914. ⁷

In an interview in 1973, Mary Newbery Sturrock, daughter of Francis H. ('Fra') Newbery and Jessie Newbery nee Rowat, suggested that at the time of his departure from Glasgow, Mackintosh had been working on designs for the 'Dough School', the Glasgow and West of Scotland College of Domestic Science. It is possible that 60 years after the event Mrs Sturrock may have confused the College of Domestic Science with the Jordanhill Training College competition. No evidence of Honeyman, Keppie & Mackintosh's participation in the College of Domestic Science competition, held in 1912–13, has been traced. ⁸

People

Clients:

- Glasgow Provincial Committee for the Training of Teachers

Contractors:

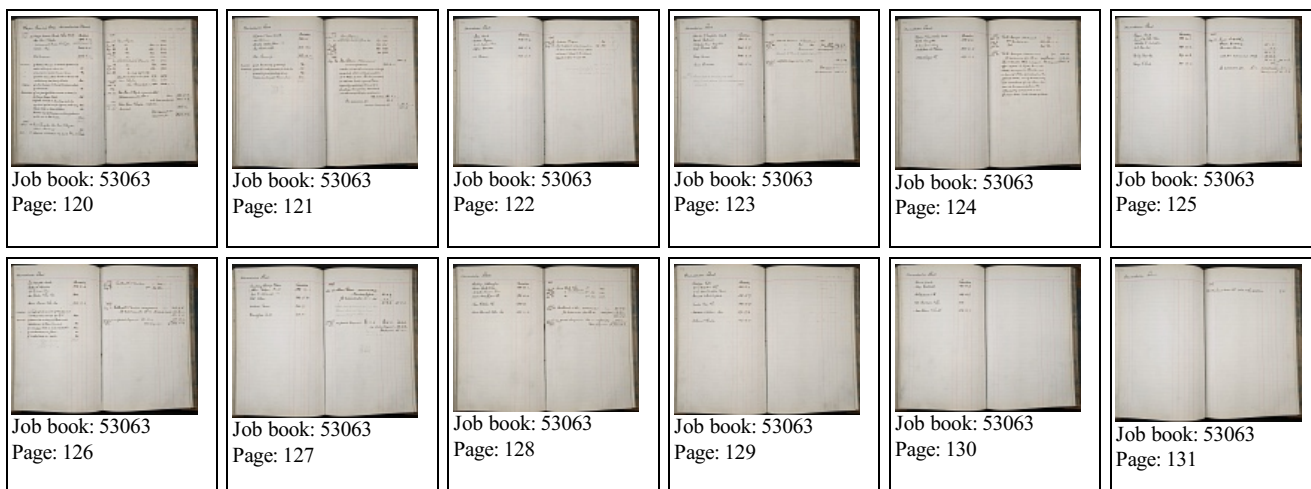
- Daniel Borland
- Andrew Bryan
- John Cochrane
- James Combe & Son
- Galbraith & Winton
- Allan Gibson
- James McPhie
- John Train & Taylor
- James Wales & Co.
- G. & R. Wemyss
- James Young

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 M325 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 M325 has been extracted from the job books:



Client: Glasgow Provincial Committee for the Training of Teachers

Tenders:

Contractor	Type	Address	Date	Value	Accepted
John Train & Taylor	digger, mason, brick & steel	Dalmarnock Bridge, Rutherglen	27 August 1914	£18957 4s 4d ¹	yes (no data in job book)
Wilson Brothers	digger, mason, brick & steel	no data in job book	27 August 1914	£20045 14s 6d	no
P. & W. Anderson	digger, mason, brick & steel	no data in job book	27 August 1914	£20088 13s 6d	no
James Young for John Train & Taylor	stone carving	no data in job book	12 April 1916	£42 0s 0d ²	yes (no data in job book)

John Cochrane	carpenter & joiner	58–70 Dobbie's Loan	no data in job book	£7664 4s 0d ³	yes (no data in job book)
John Baxter & Son	carpenter & joiner	no data in job book	no data in job book	£8133 16s 11d	no
Peter Cunning	carpenter & joiner	no data in job book	no data in job book	£8271 12s 10d	no
Andrew Bryan	slater	14–16 Hospital Street	no data in job book	£432 18s 4d	yes (no data in job book)
Alfred Robertson	slater	no data in job book	no data in job book	£452 5s 6d	no
M. Bertram	slater	no data in job book	no data in job book	£453 2s 8d	no
Daniel Borland	plumber & gasfitter	25 Ruchill Street, Maryhill	no data in job book	£1950 3s 11d	yes (no data in job book)
Hugh Twaddle & Son	plumber & gasfitter	no data in job book	no data in job book	£2008 6s 9d	no
George Munro	plumber & gasfitter	no data in job book	no data in job book	£2025 3s 9d	no
James Somerville	plumber & gasfitter	no data in job book	no data in job book	£2039 13s 10d	no
James Ingleton & Co.	plumber & gasfitter	no data in job book	15 March 1916	£3309 0s 0d ⁴	no data in job book
G. & R. Wemyss	plaster & granolithic	20 Muirhouse Street	no data in job book	£1568 16s 8d	yes (no data in job book)
Archibald McKellar	plaster & granolithic	no data in job book	no data in job book	£1606 6s 5d	no
J. C. MacIntyre & Co.	plaster & granolithic	no data in job book	no data in job book	£1687 2s 3d	no
James McPhie	glazier	6 Bishop Street, Anderston	no data in job book	£283 4s 1d	yes (no data in job book)
G. & J. Rae	glazier	no data in job book	no data in job book	£269 13s 10d	no
The City Glass Company	glazier	no data in job book	no data in job book	£269 15s 2d	no
George G. Kirk	glazier	no data in job book		£269 19s 6d	no
Galbraith & Winton	tile & marble	185 St Vincent Street	no data in job book	£1876 6s 10d ⁵	yes (no data in job book)
John Youden & Son Ltd	tile & marble	no data in job book	no data in job book	£2038 0s 0d	no
Robert Brown & Son Ltd	tile & marble	no data in job book	no data in job book	£2106 17s 3d	no
Allan Gibson	boundary railings & gates	Bell Street, Whiteinch	no data in job book	£235 0s 0d	yes (no data in job book)
T.[?] & R. Adam	boundary railings & gates	no data in job book	no data in job book	£267 3s 4d	no
William Govan	boundary railings & gates	no data in job book	no data in job book	£314 9s 0d	no
Bromsgrove Guild	boundary railings & gates	no data in job book	no data in job book	£953 10s 0d	no

James Combe & Son	heating apparatus	103 North Hanover Street	no data in job book	£1666 19s 1d	yes (no data in job book)
James MacFarlane & Co.	heating apparatus	no data in job book	no data in job book	£1785 15s 6d	no
Charles Ritchie & Co.	heating apparatus	no data in job book	no data in job book	£1789 15s 0d	no
James Cormack & Co. Ltd	heating apparatus	no data in job book	no data in job book	£1816 4s 10d	no
W. C. Martin & Co.	electric lighting	10–16 West Campbell Street	no data in job book	£518 2s 1d	no data in job book
Bennett & Rutherford	electric lighting	no data in job book	no data in job book	£581 13s 7d	no data in job book
Lowden Brothers & Co.	electric lighting	no data in job book	no data in job book	£662 14s 3d	no data in job book
Malcolm & Allan Ltd	electric lighting	no data in job book	no data in job book	£671 17s 2d	no data in job book
Osbourne & Hunter	electric lighting	no data in job book	no data in job book	£813 17s 9d	no data in job book
Alex. Bullock	painter	no data in job book	no data in job book	£457 16s 2s	no data in job book
H. L. Anderson & Co.	painter	no data in job book	no data in job book	£459 13s 8d	no data in job book
Robert Henderson & Son	painter	no data in job book	no data in job book	£475 0s 0d	no data in job book
MacFarlane & Smith	painter	no data in job book	no data in job book	£478 18s 9d	no data in job book

Payments (trades):

Name	Type	Payment out sum
John Train & Taylor	digger, mason, brick & steel	First installment: 19 March 1915 Final installment: 7 October 1920 £15225 8s 6d ⁶
John Train & Taylor	digger, mason, brick & steel	Payment date: 23 April 1923 ⁷ £5677 10s 0d ⁸
John Cochrane	carpenter & joiner	First installment: 18 March 1916 Final installment: 24 July 1919 £2567 18s 0d ⁹
Andrew Bryan	slater	First installment: 23 August 1916 Final installment: 23 March 1920 £333 15s 2d ¹⁰
Daniel Borland	plumber & gasfitter	First installment: 17 August 1916 Final installment: 9 September 1922 £894 13s 6d ¹¹
Daniel Borland	plumber & gasfitter	Payment date: 23 April 1923 ¹² £124 6s 11d ¹³
G. & R. Wemyss	plasterer & granolithic	First installment: 18 September 1917 Final installment: 21 March 1919 £1085s 3s 0d ¹⁴
James McPhie	glazier	Payment date: 8 February 1919 £85 3s 9d ¹⁵
Galbraith & Winton	tile & marble	First installment: 18 September 1917 Final installment: 8 September 1919 £831 3s 6d ¹⁶
Galbraith & Winton	tile & marble	Payment date: 23 April 1923 ¹⁷ £163 16s 10d ¹⁸

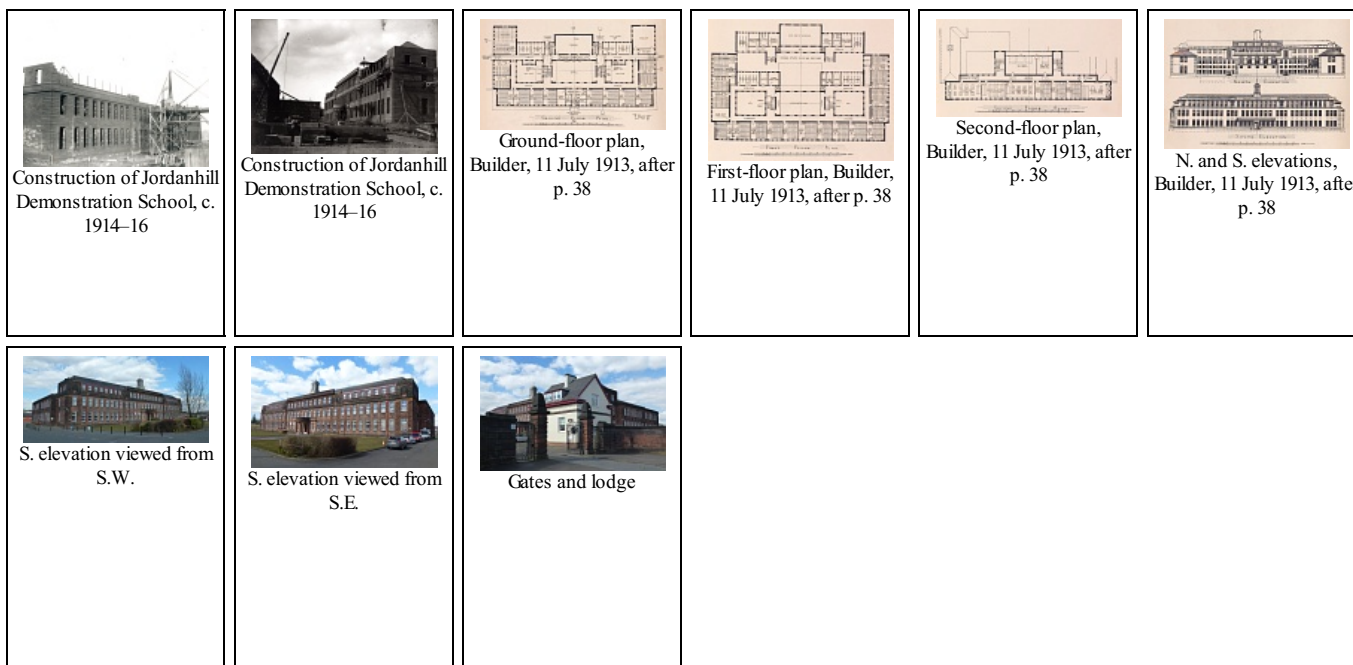
Allan Gibson	boundary railings & gates	Payment date: 13 December 1919 £57 9s 5d ¹⁹
Allan Gibson	boundary railings & gates	Payment date: 23 April 1923 ²⁰ £66 5s 6d ²¹
James Combe & Son	heating apparatus	First installment: 4 July 1916 Final installment: 8 February 1919 £842 3s 9d ²²
James Combe & Son	heating apparatus	Payment date: 23 April 1923 ²³ £154 11s 0d ²⁴

Payments (suppliers):

Name	Service	Payment date	Payment sum
James Wales & Co.	'photo lithos of plans'	24 February 1917	£9 3s 0d

Documents

Images



Bibliography

Published

- Thomas Howarth, *Charles Rennie Mackintosh and the Modern Movement*, London: Routledge & Kegan Paul, 2nd edn, 1977, p. 195
- Iain A. D. Mann, *A History of Jordanhill School 1920–1995*, www.jordanhill.glasgow.sch.uk [accessed 20 March 2012]
- David Stark, *Charles Rennie Mackintosh and Co.*, Catrine, Ayrshire: Stenlake Publishing, 2004, pp. 200–3, 221–2
- 'Glasgow New Training College', *Builder*, 105, 11 July 1913, pp. 38ff.
- *Glasgow Herald*, 25 October 1911, p. 1

Unpublished

- Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes, JCE/1/1/1911; JCE/1/1/1912; JCE/1/1/1913; JCE/1/1/1914
- Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers, Minute of agreement between Glasgow Provincial Committee and John Keppie, architect of the Demonstration School, JCE/7/3/6, 18 May 1914

Notes:

- 1: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1913, JCE/1/1, 10 February 1913; The Hunterian, University of Glasgow: John Honeyman & Keppie / Honeyman, Keppie & Mackintosh / Keppie Henderson cash book 1889–1917, GLAHA 53079, p. 176.
- 2: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1914, Chairman's sub-committee, JCE/1/1, 14 January 1914.
- 3: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1911, Chairman's sub-committee, JCE/1/1, 20 October 1911.
- 4: *Glasgow Herald*, 25 October 1911, p. 1.
- 5: *Glasgow Herald*, 25 October 1911, p. 1.
- 6: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1911, Chairman's sub-committee, JCE/1/1, 17 November 1911.
- 7: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1912, Chairman's sub-committee, JCE/1/1, 24 October 1912.
- 8: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1913, JCE/1/1, 10 February 1913.
- 9: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1913, Chairman's sub-committee, JCE/1/1, 10 February 1913.
- 10: Strathclyde University Archives: Minutes of the Glasgow Provincial Committee for the Training of Teachers 1913, Chairman's sub-committee, 16 June 1913, 20 June 1913, 23 June 1913, JCE/1/1, pp. 182–3, 189, 193–7.
- 11: 'Glasgow, New Training College', *Builder*, 105, 11 July 1913, pp. 38ff.
- 12: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1913, Chairman's sub-committee, JCE/1/1, 28 October 1913.
- 13: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1913, Chairman's sub-committee, JCE/1/1, 16 December 1913.
- 14: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1914, Chairman's sub-committee, JCE/1/1, 14 January 1914.
- 15: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers, minute of agreement between Glasgow Provincial Committee and John Keppie, architect of the Demonstration School, JCE/7/3/6, 18 May 1914.
- 16: Glasgow City Archives Collection: Glasgow Dean of Guild Court plans, B4/12/1914/409.
- 17: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes minutes 1914, Chairman's sub-committee, JCE/1/1, 14 January 1914.
- 18: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1914, Chairman's sub-committee, JCE/1/1, 14 January 1914.
- 19: Glasgow City Archives Collection: Glasgow Dean of Guild Court, Master of Works' list of cases, D-OPW 18/14, 30 July 1908, no. 7.
- 20: The Hunterian, University of Glasgow: John Honeyman & Keppie / Honeyman, Keppie & Mackintosh / Keppie Henderson cash book 1889–1917, GLAHA 53079, p. 176.
- 21: Iain A. D. Mann, *A History of Jordanhill School 1920–1995*, p. 7, www.jordanhill.glasgow.sch.uk [accessed 20 March 2012].
- 22: Thomas Howarth, *Charles Rennie Mackintosh and the Modern Movement*, London: Routledge & Kegan Paul, 2nd edn, 1977, p. 195.
- 23: Glasgow, New Training College', *Builder*, 11 July 1913, pp. 38ff. Anecdotal evidence attributes the Demonstration School design to Henderson: 'Andrew Graham Henderson', *Dictionary of Scottish Architects, 1840–1980*, www.scottisharchitects.org.uk [accessed 20 March 2012]; Thomas Howarth, *Charles Rennie Mackintosh and the Modern Movement*, London: Routledge & Kegan Paul, 2nd edn, 1977, p. 195.
- 24: For Glasgow Board School plans, see Sarah L. Hamilton, 'The Architecture and Impact of the School Boards in Glasgow', *Architectural Heritage*, 24, 2012, pp. 115–36.
- 25: The Hunterian, University of Glasgow: John Honeyman & Keppie / Honeyman, Keppie & Mackintosh / Keppie Henderson cash book 1889–1917, GLAHA 53079, p. 176.
- 26: The Hunterian, University of Glasgow: John Honeyman & Keppie / Honeyman, Keppie & Mackintosh / Keppie Henderson cash book 1889–1917,

27: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers minutes 1914, Chairman's sub-committee, JCE/1/1, 14 January 1914.

28: Strathclyde University Archives: Glasgow Provincial Committee for the Training of Teachers, minute of agreement between Glasgow Provincial Committee and John Keppie, architect of the Demonstration School, JCE/7/3/6, 18 May 1914.

29: June Bedford and Ivor Davies, 'Remembering Charles Rennie Mackintosh': a recorded interview with Mary Newbery Sturrock, *Connoisseur*, 183, August 1973, p. 286; 'Queen's College; Glasgow and West of Scotland College of Domestic Science; St Andrew's Teachers' Training College', *Dictionary of Scottish Architects, 1840–1980*, www.scottisharchitects.org.uk [accessed 7 February 2013]. No evidence of Honeyman, Keppie & Mackintosh participating in the Glasgow and West of Scotland College of Domestic Science competition has been found thus far by Glasgow Caledonian University archivists .

30: A sum of £3423 calculated from what appear to be omissions from, additions to and substitutions of materials in the original building specification. It appears that this sum was to be deducted from the successful tender figure.

31: 29 September: 'Account initialled and sent to Train & Taylor'.

32: A sum of £419 calculated from what appear to be omissions from and substitutions of materials in the original building specification. It appears that this sum was to be deducted from the successful tender figure.

33: 'Schedule priced at present day rates with fittings and work already done at schedule rates'.

34: A sum of £555 calculated from what appear to be reductions and substitutions of materials in the original building specification. It appears that this sum was to be deducted from the successful tender figure.

35: 'with measurer's fee ded[ucted]'. Notes to instalments: 20 March 1916, 'instructed by meeting amount of material on ground 250'; 28 November 1916, 'being half the 10% retention money on sums paid'.

36: 'reported 23 Apr.'

37: 'ex-gratia payment'. Total sum paid to John Train & Taylor £20,902 18s 6d.

38: Measurer's fee already deducted. Note to 20 March 1916 instalment: 'instructed by meeting amount of material on ground 300'. Final sum paid included an additional 17½% on the the measurement of completed work. This figure was an average of increased cost of materials and aspects of the work tendered for but not carried out.

39: Certificate for completed work issued by the architects on 21 February 1918 was 'conditional on the cement ridges being ordered at once & stored at the school & fixed as soon as possible'.

40: '(Amount of claim of ex-gratia payment) £145 1s 0d'.

41: 'reported 23 April 1923'

42: Total sum paid to Daniel Borland £1006 15s 5d.

43: Measurer's fee already deducted. 'This [sum] includes 36% on original offer agreed to by the Committee which amounts to £251 18s 2d and a sum of £124 for material on the ground taken by the admiralty but not paid for by them. This sum to be recovered from the admiralty as advised in a [former?] letter to the Director of Studies'.

44: For work at school building and janitor's house. Measurer's fee already deducted. Sum includes 75% extra 'as per agreement'.

45: Measurer's fee already deducted.

46: 'reported 23 April 1923'

47: 'ex-gratia payment'. Total sum paid to Galbraith & Winton £995 0s 4d.

48: Measurer's fee already deducted. 'Statement costs to Mr Gibson sent at same time amounting to £109 7s 10d'.

49: 'reported 23 April 1923'

50: 'ex-gratia payment'. Total sum paid to Allan Gibson £123 14s 11d.

51: Measurer's fee already deducted. Note to 27 December 1916 instalment: 'on work'; 'on work & material'.

52: 'reported 23 April 1923'

53: 'ex-gratia payment'. Total sum paid to James Combe & Son £996 14s 9d.

Mackintosh Architecture: Context, Making and Meaning

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