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## BAILE

Papers re Westwood, Baillie & Co., iron founders, shipbuilders and contractors, chiefly c.1853-1909

## BAILE

The Baillie archive (Baile A & B) contains material relating to the activities of Messrs Westwood, Baillie & Co., iron founders, bridge and shipbuilders, London, chiefly dating between 1853 and 1909.

All material was bequeathed to the Museum by R T K Baillie in 1984.

## Α

A/1	-	Precis of the facts connected with the claim of Messrs Westwood, Baillie and Campbell upon the Admiralty for the building of HMS Resistance [unfinished draft] 3p ms.
A/2	1861 Aug- 1862 Jul	Copy of correspondence between the Lords Commissioners of the Admiralty and Messrs Westwood, Baillie, Campbell & Co., relative to the Building of H.M. Armour Plated Ship 'Resistance'. [2 copies, one with sheet of cost details re 11 ships (1859-63), and 'Prices paid for Materials for HMS 'Warrior', 'Resistance' & 'Achilles' '] 31p ms. (lithographed)
A/3	1862 Mar 1	Copy [letter] Admiralty, Somerset House [to Lords Commissioners]/R M Bromley, Acct. Genl., [re] 'Resistance', Cost of Building 6p ms.
A/4	-	Precis of the Facts connected with the Claim of Messrs Westwood, Baillie Campbell & Co. upon the Admiralty for the building of HMS 'Resistance' 2p ms. (lithographed)
A/5		Petition [to] Sir John S Pakington MP, First Lord of the Admiralty/ Messrs Westwood Baillie & Campbell, for a reconsideration of their claim to be paid the cost price only of Her Majesty's Iron Plated Ship 'Resistance' as ascertained and certified by the Accountant General of the Navy. [Watermarked 1866] [With ms. leaf re costs of11 ships, 1859-63] 5p ms. (lithographed)
A/6/1	1867 Jun 15	Copy [letter] London Yard, Isle of Dogs, Poplar [to] Lord Henry Lenox MP, Secretary

to the Admiralty/Westwood & Baillie,	[re			
their appeal for payment of costs				
of'Resistance'] [2 copies]				
3p ms.				

		3p ms.
A/6/2	1862 Feb 19	Copy of Accountant's Report on cost of building the 'Resistance'/H Walker [&] W Gladwell, Admiralty. [With copy (49p ms.) and 'Abstract of Cost of Building 'Resistance'' (2 copies, both 6p ms.)] 30p ms.
A/7	1873 Jan	Copy of Robertsons Memorial re Resistance/Henry Robertson, Fern Lodge, East Sheen 5p ms.
A/8	1873 Oct 27	Copy [letter] Staple Inn, London [to] G J Goschen, First Lord of the Admiralty/Combe & Wainwright 1p ms.
A/9	1873 Dec 19	[Copy letter] Admiralty [to] Messrs Westwood Baillie & Co., London Yard, Poplar/Robert Hall. [With lithographed copy (3p ms.) 3p ms.
A/10	-	[Draft] Memorial to His Grace The Duke of Somerset/ [Westwood Baillie & Co.] 3p ms.
A/11	_	Amounts of Contracts for Warrior & Resistance to be submitted to Duke of Somerset 2p ms.
A/12	1982 Dec 18	'An armoured plated loss' [ Cutting, being a letter to the editor of The Daily Telegraph/Robert Baillie, re his grandfather's company and the building of 'Resistance'] 1 leaf
A/13	1891 Sept 29	Memorandum and Articles of Association of Westwood Baillie & Co., Limited $v+35p$
A/14	1853 Oct 31	Copy Agreement [between] Charles John Mare of Black- wall, Ship Builder [and] Joseph Westwood and Robert Baillie, [foremen to Mare], 'for employment for seven years and Licence for use of Patent for Improvements in Iron Ships' 8p ms.
A/15	1909 Feb 16	Depositions of Defendant Charles John Westwood. High Court of Justice, Chancery Division. Re Westwood deceased. Westwood and Others v. Westwood and Others 7p
A/16	1892 May 16	[Form letter] London Yard, Isle of Dogs, Poplar [to creditors of Robert

		Baillie]/Westwood, Baillie & Co., Limited, [re acceptance of debentures from the company in respect of what is owed them by Baillie. Includes reply form re 'Debentures second in priority for £18,000'] 2p
A/17		[Advertisement for] Baillie's patent corrugated flooring for bridges and Westwood & Baillies corrugated flooring (Wrought Iron or Steel) for Bridges and Warehouses, the Decking of Piers, Landing Stages & Pontoons and the Covering of Subways and Watercourses/Westwood Baillie & Co. 1 sheet [Shelved at MSL 118]
A/18	1874 Mar 17	[Letter] Howard Street, Strand [to] R Baillie/Chas. Ford, [recommending that Baillie employ his brother Archibald] 2p ms.
A/19	1881 May- 1884 Oct	[Examination papers re] Royal College of Surgeons of England, Diploma of Fellow, Anatomy and Physiology (10 papers 1881 May-1884 Jul), and re Royal College of Physicians of London, Examination for the Licence (2 papers, 1884 Oct)] 12 leaves
A/20	1861 Dec 21	[Photocopy of patent specification of Joseph Westwood, London Yard, Poplar, no.3191, re 'An Improvement in the Construction of Hydraulic Presses'] 4p
A/21	1865 Dec 21	[Patent] specification of George Hawksley of Caledonian Road, Middlesex, no.3306, [re] 'Improvements in Constructing the Treads for Steps or Stairs' 4p
A/22	1873 Nov 1	[Patent] specification of Robert Baillie of Blackheth, no. 3558, [re] 'An Improved Method of Heating Locomotive or other Engine Boilers ,,,' 5p + drawing
A/23	1890 May 29/1891 Feb 28	Provisional specification [and] complete specification [of] Robert Alexander Baillie of London Yard, Isle of Dogs, no.8334, [re] 'Improvements in Apparatus for use in Upsetting or Enlarging Parts of Metal Bars in the Manufacture of Links for Bridge Work and other purposes' 6p + 6 drawings (on 3 sheets)
A/24	1890 May 29	Patent [as A/23 above] 2p
A/25	1890 Dec 24	Patent [of] Robert Alexander Baillie of London Yard, Isle of Dogs, no. 21040, [re] 'Improvements in the method of and

		apparatus for enlarging the ends and other parts of metal bars and rods' 2p
A/26	1861 Dec 21	[Photocopy of drawings to patent specification no.3191 (as A/20 above)] 2 sheets
A/27	1890 Jul 9	[Untitled engineering drawing. Bears stamp of] Westwood Baillie & Co., Engineers & Contractors, Poplar Line drawing, part with wash, 66 x 100cm Scale 3":1'
A/28	1891 Jul 24	Diagram of Inclines for compressing bridge link bars. [Bears stamp as A/27 above] Line drawing, part with wash, 64.5 x 137.5cm Scale full size
A/29	1891 Nov 6	[Drawing] No.8565 Thrust Block [for] Engine No. 563-4. [Bears stamp of] Palmer's Shipbuilding and Iron Co. Limited, Engine Works Dept., Jarrow Blueprint, 63.5 x 100cm Scale 1:4
A/30	-	[Untitled engineering drawing] Line drawing, 25.5 x 16cm No scale
A/31/1	-	Section of Cylinder Line drawing with wash, 30.5 x 25cm
A/31/2	-	[Untitled engineering sketch] Scale 3": 1' Pencil sketch, 20.5 x 20.5cm No scale
A/32	-	[Table] Standard Eye Bars [incorporating small drawing] 1 leaf
A/33/1	[1866]	Shipbuilding, Theoretical and Practical general editor W J M Rankine] [part 20; 17p
A/33/2	1865 Apr	[Advertising leaflet for <b>Practical Mechanic's Journal</b> , A monthly record of Civil and Mechanical Engineering and Physical and Chemical Science [incorporating a 'Programme of Subjects'] 2p
A/34	1858 Jan 30	Railway Record Mining Register, and Joint Stock Companies' Report, No.737, Vol. XV No.5, incorporating index for 1857] 1 sheet, folded to 16p
A/35	1887 Mar 7	<b>The Times</b> [pp.5-12] 8p
A/36	-	List of Steel Angles in Yard for Dulman Viaduct 1p ms.
A/37	1890 Jan 7	[Table of results re 'Boiler Fuel Tests'

at London Yard] 1p ms.

A/38	1891	[List of numbered contracts and dates by which to be completed, Jan-Jun] 1p ms.
A/39	1874	S98 & S152. Summary of cost of sundry work for Mr Baillie from Oct 1868 to Dec 1874 1p ms.
A/40	_	List of papers in Messrs Westwood
A/41	1891 Mar	Baillie's Boxes 1p ms. [Account of R A Baillie with W Y Whiteman (patent agent?) re patent application no.21040 of 1890] 1p ms.
A/42	1860, 1891, 1893	[Money orders (15). 11 of 1860 Jun 1 are made out to Westwood Baillie Campbell & Co, 3 of 1891 May & 1893 Mar; one is blank. With cheque of 1889 Oct paid by Westwood Baillie & Co to Guardian Assurance Co.] 16 slips
A/43	_	[Letter re indenture. Wanting] 1p ms.
A/44	-	[Untitled photo of ship under construction. On SM neg. no.1728/80]
A/45	-	[Photocopy of part of Baillie family tree] 1p ms.
A/46/1 -2	-	[Biographical details of Robert Baillie (1818-99) listing some of the major engineering works carried out by him. With ts. copy of same] 3p ms., and 2p ts. on 1 leaf
A/46/3	-	[Page from unidentified book, giving biographical details of Robert Baillie etc. Photocopy] 1p
A/47	1983 Jan 28	[Letter] Crownfield Avenue, Newbury Park, Ilford, Essex[to] Robert Baillie, Pangbourne, Berks./Frank Sainsbury, [rebankruptcy of Westwood Baillie & Co. in 1892] 1p ms.
A/48	-	[Statement re bankruptcy of Westwood Baillie &Co./ Robert Baillie (grandson)] 1p ts.
A/49	-	[Statement re costs of Warrior and Resistance/Robert Baillie (grandson)] 1p ts.
A/50	1983 Apr 2	[Letter to] Librarian, National Railway Museum, York/ Robert Baillie, [re] Iron bridges over the main line approaches to Paddington Station 1p ts.

A/51	1943	[Sketch of Middle Eastern skyline/R Baillie] Ink & watercolour, 25.5 x 36.5cm
В		Photographs of Civil Engineering projects etc of Westwood Baillie & Co.
B/1		Bridge over the Orange River at Hopetown, Cape Colony, consisting of 15 Spans of 72 feet, and 3 Spans of 108 feet. Constructed and erected by Westwood, Baillie & Co. Neg no. 1724/80 20.5 x 25.5cm
B/2		as above [another view] Neg no. 1722/80 21 x 25.5cm
В/3		as above [another view] 21 x 25.5cm
B/4		as above [another view, showing approach road to the bridge] 21 x 25.5cm
В/5		[another view, bird's eye view showing bridge and approach road] 20.5 x 25.5cm
В/6		Colesberg Bridge, over the Orange River, Cape Colony. Total length 1285 feet. Engineer George Berkley. Contractors for Manufacture and Erection, Westwood Baillie & Co.  Neg. no. 1725/80 19.5 x 27.5cm
В/7а		as above 20.5 x 27.5cm
в/7b		as above lbetter quality than the above two] 21 x 27cm
B/8-12		[Other views of Colesberg Bridge] ca22 x 27cm
B/13		Cape Government Railways. Western Districts. One of 22 spans of 100 feet each, forming the following bridges: Bridge over the Geelbeck River composed of 5 spans

	Bridge over the Bloed River composed of 7 spans Bridge over the Dwyka River composed of 3 spans Bridge over the Bitter Water River composed of 7 spans Neg. no. 1721/80 31 x 40.5cm
B/14	Cape Government Railways. Western Districts. One of six spans of 100 feet each of the bridge over the Buffalo River 30.5 x 39.5cm
B/15	New South Wales Great Southern Railway. Bridge over the Murray River, near Albury, consisting of two spans of 150 feet each in the clear. Constructed by Westwood, Baillie & Co. Neg. no. 1716/80 31 x 39.5cm
B/16	as above [different view] Neg. no. 1715/80
В/17	32.5 x 39.5cm  Taptee and Nerbudda Viaduct, built by Westwood, Baillie & Co. Neg. no. 1720/80 22.5 x 28.5cm
B/18	as above  22.5 x 28.5cm
B/19	I.S.R. [Indian State Railways] Sukkur Bridge over the River Indus. Engineer: Sir A.M. Rendel; Contractors: Westwood, Baillie & Co. Neg. no. 1714/80 18.5 x 43.5cm
B/20	Indian State Railways. Bridge over the Indus at Attock, consisting of three spans of two hundred and fifty-seven feet, and two spans of three hundred and eight feet. View of two hundred and fifty-seven feet span. Constructed by Westwood, Baillie & Co. A.M. Rendel, Engineer 32 x 39cm
B/21	Indian State (Rangoon & Sittang) Railway. One of Six Spans of 100 feet each constructed for the Indian Government by Westwood, Baillie & Co. Neg. no. 1717/80 29 x 35.5cm

B/22	as above
В/23	Tonse Bridge for the East India Ry. Co. Built by Messrs. Westwood, Baillie & Co. Neg. no. 1719/80 8 x 12cm
B/24	Taptee Viaduct for the Great Indian Peninsula Ry. Co. Built by Messrs. Westwood Baillie & Co. 12 x 17.5cm
В/25	as above 11.5 x 17.5cm
В/26	Trinidad Government Railways. San Fernando Extension. One of six spans of 100 feet each. Constructed for the Crown Agents for the Colonies by Westwood, Baillie & Co. 30.5 x 39cm
В/27	Ceylon Government Railways. Matale Extension. Foot bridge to officers' quarters, Kandy. Constructed for the Crown Agents for the Colonies by Westwood, Baillie & Co. 20 x 26.5cm
B/28	Screw Steamer Orion. Steering Damage caused by Collision with a vessel off Beachy Head, on December 21st 1869. Repaired by the London Engineering and Iron Ship Building Company, Limited, (Late Westwood, Baillie & Co.) Neg. no. 1726/80 28.5 x 23cm)
В/29	[Hydraulic steam press, made by] Westwood, Baillie & Co, 1863 Neg. no. 1645/80 22 x 28.5cm
В/30	as above 24 x 28cm
В/31	as above
В/32	22 x 28cm [Hydraulic steam press, made by] Westwood, Baillie, Campbell & Co, 1862 22 x 27.5cm
В/33	as above

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 $23 \times 27.5 \text{cm}$ 

	23 x 27.5cm
В/34	[Scene depicting construction of bridge towers (possibly the towers of East Indian Railway Co as seen in /23?) Neg. no. 1723/80 22 x 27cm
B/35	G.W.R. [wagon in railway sidings. Paddington station?] 20.5 x 26cm
В/36	[Span of steel girder bridge, location unknown] 19.5 x 23.5cm
В/37	[Shipyard. Newly constructed ship. Name of ship and location unknown] 10 x 16.5cm
В/38	[Gates and entrance to] Guy's Hospital [London] 18.5 x 22cm
B/39	Campbell's Patent Floating Dry Dock adopted for H.M. Dockyard at Bermuda by Col. Clarke, R.E. built at Messrs. Campbell, Johnstone & Co's works, Silvertown, Nr Woolwich, and launched by Mrs Col. Clarke Sept 3rd 1868 21.5 x 7.5cm
B/40	The Association of Public Vaccinators of England & Wales. Annual Dinner, Hotel Cecil, London, October 28th, 1904. [Shows Dr Robert Alexander Baillie amongst guests] London 23 x 35cm
B/41	[Duplicate of /29, /30 & /31] Neg. no. 1645/80 22 x 28.5cm
B/42	[Duplicate of /28] Neg. no. 1726/80 28 x 23cm
B/43	[Duplicate of /19] Neg. no. 1714/80 18.5 x 43.5cm

The archival material is complemented by other material (Baile C, D, E & F) in the Museum's Pictorial Collection. This is detailed below:

BAILE Cantilever for Sukkur Bridge, Indian State Railway

Contractors: Westwood, Baillie & Co.

Engineer: Sir A M Rendell

1 large framed photo

Interior (3) and exterior (1) views of a BAILE

cast iron and glass palace, being an artist's projections for designs for an

Indian purchaser

4 watercolour paintings

Commemorative diploma: Colonial and Indian BAILE

Exhibition, London 1886. W Griggs, London

Coloured lithograph

Her Majesty's Iron Cased Screw Steam Frigate Resistance. T G Dutton. Published

1/10/1861 by Day & Son, London

Tinted lithograph

Westwood Baillie & Co. London Yard Iron BAILE F

Works, Isle of Dogs, London. R Newbury,

Holborn

Coloured lithograph

N.B. Measurements given are those of image only

Inv. No.s 1981-1528; 1985-1558/1-2

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