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FIELD

A collection of manuscript and printed material
principally relating to the
work of Joshua Field (1787?-1863) as a partner in the
engineering firm of
Maudslay, Sons and Field

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Edited by Robert Sharp

FIELD

The Field papers (c.1805-1863) were preserved by Joshua Field's family and presented to the Science Museum Library by his granddaughter, Miss Gertrude Field.

Volumes 1 and 2 consist of miscellaneous items bound in chronological order by subject. Volumes 3 to 13 are single, unrelated works. Name and subject indexes follow the listing.

1		Field Papers. Vol. I. Ships, Marine Engines, etc
1/1	-	[Title page for vol.1]
1/2	1864	Memoir of Joshua Field, F.R.S., M. Inst. C.E. Excerpt Annual Report of the Institution of Civil Engineers 1863-64 6p on 2 leaves
1/3	ca1813	Dickinson's Patent Iron Buoys. [Publicity pamphlet by Robert Dickinson, Great Queen Street, London, giving testimonials from the Navy Office and from ships' captains praising his iron nun buoys] 3p on 1 leaf
1/4	ca1814	Sir Gilbert Blane's observations on the utility of iron tanks. [Copied from] Medico-Chirurgical Transactions vol 6. [Watermarked 1814] 2p ms. on 1 leaf
1/5	1814 Dec 13	[Letter to] Joshua Field, Lambeth/James Field. [A copy of an account of experiments with Melville's diving bell, taken from the Medical and Physical Journal, 1814 Dec, with James Field's brief comments] 1p holograph signed
1/6	1815 Sept 30	Observations on iron boats with the impelling force being applied by a rotary movement. [Sets out the difficulties likely to arise in the design and running of iron boats. Endorsed on verso (in different hand)] 'Observations on iron boats by a man in Portsmouth Y[ar]d who has improved the ship's tiller, his name not known' 1p ms.
1/7	ca1815	An Account of the Dimensions of the Various description of Casks as requested by Sir Home Popham in his letter of the 21st November 1815/ [Henry Maudslay & Co?] 1p ms.
1/8	1815 Dec 30	[Pencil sketches of boat and engines. Endorsed on verso]

- 'Deptford boat' [and] 'Congo steam boat'
1 leaf ms.
- 1/9 1816 Jul 19 [Copy letter to] Mr Tatlock/Joshua Field [for] Henry Maudslay & Co. [Gives information about steam boats in England and discusses Tatlock's need for an engine to be installed in a double-hulled ferry boat over-seas. Includes a small sketch]
4p ms. on one leaf
- 1/10 1816 Jan 27 [Letter] London [to] Sir Home Popham/E Carter. [Proposes an improved paddle wheel arrangement (introduction of 'chain and paddles') following the poor performance obtained with the vessel *Congo*]
3p holograph signed on 1 leaf
- 1/11 1816 Sir Home Popham's signals. [Describes the semaphore and gives instructions for its use, with sketches and tables]
3p ms. on 1 leaf
- 1/12 1817 Oct 20 & Nov 24 [Draft minutes of meetings to consider formation of a company to build] a new and very superior steam packet to work between London and Margate/[*London Engineer* Steam Yacht Co]
4p ms. on 1 leaf
- 1/13 1817 Nov 17 [Letter] Quebec [to Henry] Maudslay, London/Joseph Wigfield. [Reports to Maudslay on the first trials of engines fitted in a boat recently launched at Quebec]
3p holograph signed on 1 leaf
- 1/14 1819 Mar 29 [Estimate] Rotherhithe [to] Mr Maudslay/Thos. Courthope, [for building a vessel (for £600)]
1p holograph signed
- 1/15 1819 Dec 30 To the Proprietors of the *London Engineer* Steam Yacht/Henry Maudslay, Lambeth. [A pamphlet defending Maudslay's engines (for the *London Engineer*) against allegations that they develop insufficient power]
11p on 3 leaves
- 1/16 ca1817 [Letter] Norfolk St, Strand [to] Joshua Field, Lambeth/H W Dodd. [Addresses Field as a member of 'the Committee' and explains why the Committee's actions have led him to resign his command of the *London Engineer* steam yacht. Watermarked 1817]
3p signed on 1 leaf
- 1/17 1821? General Statement of the Accounts of the *London Engineer* Steam Yacht Company

- 1p ms.
- 1/18 1824 May 19 [Copy letter] Lambeth [to his] brother/ [Richard Loring? Written on behalf of Henry Maudslay, asking advice on a proposal for steam navigation to India. Refers to engines built for the vessel *Lightning*]
3p ms. on 1 leaf
- 1/19 1824 Experiments made on the Grand Junction Canal at Paddington. [Endorsed on verso] 'Mr Palmers experiments with barges on Grand Junction Canal 1824'. Tabulates the velocities of barges under different loads and 'propulsive force']
3p ms. on 2 leaves
- 1/20 ca1825 Rules for using the water changing apparatus. [Draft of instructions for use of the apparatus, designed for ships' boilers. Watermarked 1823, with later pencilled note 'c.1825']
4p ms. on 1 leaf
- 1/21 1825 Apr 8 Articles of agreement [between] John Penn of Greenwich, engineer [and the] Ipswich Steam Navigation Company/John Penn [and 8 directors of the company. Penn is to make four steam engines and fit them in vessels belonging to the company]
3p ms. on 1 leaf
- 1/22-31 ca1829 Journal of the *Enterprize* from Aug 16th 1825 to Oct 13th 1825. [An account of the voyage from England to Cape Town under sail and steam. [Leaf 10 has pencilled incomplete table 'Great Western - Third voyage from Bristol Saturday July 23'. Watermarked 1829]
19p ms. on 10 leaves
- 1/32 [182-?] Steam Boats and Steam Boat Engines. [A table giving details of ships and engine installations for the *Enterprise*, *Engineer* and *Sovereign*]
1p ms.
- 1/33 1825 Sept 7 [Incomplete copy letter] London [to unknown correspondent]/ [Maudslay, Son & Field. Explains the aim and functioning of the water-changing apparatus for ships' boilers, installed in HMS *Lightning*; describes modifications incorporated for use in the *Enterprize*]
4p ms. on 1 leaf
- 1/34 1827 May 4 Steam Packets, Dublin. Accounts relating to the Steam packets on the Holyhead and Liverpool Stations/ordered by the House of Commons to be printed
9p on 3 leaves

- 1/35 1828? [Copy letter] *Enterprize*, Calcutta [to] Henry Maudslay/William Ash. [Concerns movements of various ships at Calcutta; repairs and modifications to the *Enterprize's* boiler feed system and engines. Endorsed] 'Recd 23 July 1828'
4p ms. on 1 leaf
- 1/36 1830 Dec Morton's Patent Slip for hauling ships out of the water to be repaired etc/Thomas Morton. [An advertising pamphlet (re patent no. 4352 of 23 Feb 1819), giving details of slips already installed at various ports. Bears ms. notes, possibly by Joshua Field. Engraved heading illustrates elevations and plan of the slip in use]
2p on 1 leaf
- 1/37 1831 Mar 31 Bond of Arbitration [binding] John Penn of Greenwich, engineer, [to the first committee of management of the Ipswich Steam Navigation Company/John Penn. [Penn agrees to the appointment of Robert Hawthorn and Bryan Donkin as arbitrators in his dispute with the Company. Endorsed on verso by Hawthorn and Donkin, appointing Joshua Field as the third arbitrator, and by all three arbitrators on 1831 May 11 extending the deadline for the award to 1831 Sept 1. Signed by John Penn]
4p ms. on 1 leaf
- 1/38 1831 Aug 6 [Copy arbitration award in the case of John Penn vs. the managers of the Ipswich Steam Navigation Co]/Robert Hawthorn, Bryan Donkin, Joshua Field. [Awards £1060 and major costs to Penn]
6p ms. on 2 leaves
- 1/39a 1831 Jul 25 [Affidavit] sworn at the chambers of Lord Chief Justice Tindal [on giving evidence to the arbitrators in John Penn vs. Ipswich Steam Navigation Co]/John Penn. [Signed by Penn]
1 ms. leaf
- 1/39b - Results of the application of feathering wheels to Steam-ship '*Thames*'. [Describes savings obtained by use of the wheels]
1 ms. leaf
- 1/40 1834 Observations on the working of the Engines in H M Steam Frigate *Phoenix*, during her passage from Chatham to Woolwich on the 7th and 8th of Jan 1834 [Signed] 'HCH'?
2p ms. on 1 leaf
- 1/41 1835 Mar 12 [Letter] Navy Yard, Harwich [to] Messrs Maudslay Son & Field/George Graham. [Forwards plans of a ship (not now with letter) and requests information on the fitting of paddle wheels. Verso

- bears pencilled calculations on engine power]
1p holograph signed
- 1/42 1835 Apr 25 [Letter] Barford [to] Joshua Field, London/Samuel Hall. [Concerns Hall's improvements to marine engines, and his efforts to persuade the Admiralty to allow a pair of engines to be converted to his design. Solicits Field's support; invites him to see new marine engines at Liverpool and to travel in the *Hercules*]
2p holograph signed on 1 leaf
- 1/43 ca1838 [Magazine cuttings re Trinity House and the ships *Rainbow*, *Sirius* and *Great Western*. 2 items]
5p on 2 leaves; 4p on 2 leaves
- 1/44 [183-] Specification of Joseph Maudslay and Joshua Field's patent double cylinder engine/Maudslay, Sons & Field. [A description of the engine in plain language, probably for advertising purposes. With lithograph showing three views of the engine]
3p on 1 leaf + 1 leaf
- 1/45 1839 Feb 2 [Draft statement] Lambeth [of his claim to priority in the invention of the cycloidal paddle wheel]/Joshua Field. [Describes his early experiments and models, and negotiations with the Admiralty; compares his work with that of Morgan and of 'Galway'; defends his use of the cycloidal paddle wheel in the *Endeavour*]
8p ms. (holograph?) on 2 leaves
- 1/46 [1840?] Improvement in Steam Navigation. Oldham's Patent Revolving Paddles. [A publicity pamphlet containing text and lithograph technical drawings, re patent no. 5455 of 1 Feb 1827]
3p on 1 leaf
- 1/47 1843 May 21 [Letter] H M S *Excellent*, Portsmouth [to] J Field, Westminster Road, London/T Brown. [Concerns HMS *Bee*, fitted with a Maudslay, Sons & Field engine and now in use for instruction at Portsmouth. Proposes fitting a second engine; analyses *Bee*'s performance in detail; describes her enthusiastic reception at Portsmouth]
4p holograph signed on 1 leaf
- 1/48a 1844 Jun? [Letter] *Rattler* [to] J Field, Messrs Maudslay & Field, Lambeth/I K Brunel. [Asks costs of 'measuring screw' for measuring velocity of water 'in the deadwood'. Endorsed] 'said about £50'
2p holograph signed on 1 leaf
- 1/48b ca1840 [Letter to] J Field, Messrs Maudslay, Lambeth/I K Brunel. [Re

minor matters from previous correspondence; goes to Bristol that day;] 'you must be pressed to bind yourselves 11 months from the date of the order to the arrival of the boat in Bristol in complete working condition'. [Watermarked 1836. Bears, in later hand] *Great Britain* c. 1840
2p holograph signed on 1 leaf

- 1/49 ca1842 Directions for the Use and Management of the Patent Change-Water or Brine Pumps, applied to the boilers of marine engines by Maudslay, Sons, & Field. [Watermarked 1842]
2p on 1 leaf
- 1/50 - Plan of the Accommodations for Passengers on board the first-class Teak built Ship *Upton Castle* ... Thomas Williams, Commander. [Broadsheet advertising a voyage to Australia. Illustrated with plans of lower and poop decks]
1 leaf
- 1/51a 1860 Apr 24 Copy of Expansion Diagrams, H.M.S. *Victoria* as tried at moorings in Steam Basin [A diagram for each of the two engines, at '20lb. steam pressure']
1 ms. leaf
- 1/51b 1853 May 3 H.M.S. *Agamemnon*. Diagrams taken during trial at Stokes Bay. [Annotated indicator diagrams for aft and forward engines]
1 ms. leaf
- 1/52a 1853 Nov 2 *Princess Royal*. [Indicator diagram for the engine taken at] Stokes Bay
1 ms. leaf
- 1/52b 1858 Sept 25 [Indicator diagram for] H.M.S. *Topaze* on trial in the Basin, Devonport Dockyard
1 ms. leaf
- 1/53a 1857 Nov 7 [Indicator diagram for] H.M.S. *Diadem*: trial at Stokes Bay
1 ms. leaf
- 1/53b 1859 Apr 9 [Indicator diagram for the] starb[oard] engine [of] R.M. *Mersey* [on a] trip round to Southampton
1 ms. leaf
- 1/54 1860 Apr 27 Trial of H.M.S. *Osborne* at Spithead. [A tabulation of steam temperature, steam pressure, revolutions and ship speed 'with common steam' and 'with superheating apparatus']
1 ms. leaf
- 1/55 1861 Jun 24 [Indicator diagrams for] H.M.S. *Anson* 800 h.p. nominal

- 1 ms. leaf
- 1/56 1861 Sept 19 [Indicator diagram for] middle engine [of] H.M.S. *Octavia*
1 ms. leaf
- 1/57-58 ca1829 Deck Plan of one of His Majesty's steam frigates having the boilers and engines so contrived, that they may either or both be turned round to shew the comparative effect of their being placed forward or aft. [Watermarked 1829] 1 ms. technical drawing with 2 moveable parts; accompanied by ms. explanation and description (2p ms on 1 leaf)
- 1/59 1869 Feb 20 [Letter] Finchley New Road [to] Joshua Field. [Thanks Field for his 'account of the trial of the *König Wilhelm*' and congratulates him on the results]
1p holograph signed
- 1/60 1872 Jul 13 [Letter, in French] Hill St, Berkeley Square [to] Joshua Field/C[arl]o Cadorna. [Writes, as the Italian ambassador to London, to thank Field for the part which he played in securing British exhibits for a Maritime Exhibition in Naples]
3p ms. signed on 1 leaf

2 Field Papers. Vol. II. Stationary engines and boilers; Railways and locomotives; Machine tools; Miscellaneous

- 2/1 1811 Jul 16 [Letter to] Mr Maudslay/Bryan Donkin. [Concerns price of plummer blocks, and the difficulty of estimating their true cost under the present accounting system]
1p holograph signed
- 2/2 ca1812 [Advertising circular]/Henry Maudslay & Co, Engineers, London. [Primarily advertising steam engines; illustrated with engraving of stationary beam engine. Watermarked 1812]
1 (folded) leaf
- 2/3 1819 Specification of the patent [no. 4356] granted to John Seaward, Canal Iron Works, Limehouse, Engineer, for 'A new and improved method or methods of raising or producing steam, for the purpose of working steam engines and other apparatus' Dated April 3, 1819. [Main text 'extracted from the Repertory of Arts etc'. Includes 'Observations by the Patentee', pp.7-8]
8p + 1 leaf of plates
- 2/4 1819 Aug 6 [Letter] Union Court, Broad St [to] Messrs H Maudslay & Co, Lambeth/George Prinsep & Co. [Asks detailed questions about costs, working and transport of steam engines on behalf of a 'a

- friend of ours at Vera Cruz concerned with the mines there'.
Includes pencil draft notes for Maudslay's reply]
4p ms. on 1 leaf
- 2/5 1819 Sept 8 [Letter, in French] Paris [to] Maudslay et Co, Londres/J L Road de Clichy. [Concerns payment for, and transport and installation of, a steam engine built by Maudslay for use at Clichy. With contemporary English ms. translation]
2p holograph signed on 1 leaf + 2p on 1 leaf
- 2/6 1819 Sept 28 [Letter] Rheims [to] Henry Maudslay, London/Seillière Lelorrain et Cie. [Discusses performance of their recently-acquired steam engine. With contemporary English ms. translation]
1p ms. + 1p
- 2/7 1820 May 4 [Letter] Paris [to] Maudslay et Cie, Londres/J L Road de Clichy. [A furious letter complaining about delays in shipping his boilers to Le Havre from London. Pencil ms. comments (by a member of Maudslay's staff) explain the delay. With contemporary English ms. translation]
3p ms. on 1 leaf + 3p on 1 leaf
- 2/8 1823 May 23 [Letter] St Petersburg [to an unknown correspondent]/Wm Handyside. [Probably to Henry Maudslay or Joshua Field. Long, interesting letter giving news after the winter's break in communications. Comments on very depressed state of Russian economy; on Russian interest in 'Mr Perkins' new engine'; unfavourably on engineering schemes and building priorities in St Petersburg. Asks for news of steam boat development. Has 'lighted our manufactory with gas' and discusses attempt to introduce gas lighting in the city. Sends drawings (not present) of a stationary engine and of hemp-pressing equipment. Hopes his correspondent will visit Russia]
4p holograph signed on 1 leaf
- 2/9 1828 Apr 26 [Letter] London Docks [to] Joshua Field/Henry R Palmer [and] Walter Hunter. [Invites Field to arbitrate in a dispute over charges for coals between the London Dock Co (of which Palmer is a director) and the estate of George Mackintosh (of which Hunter is an executor)]
2p holograph signed (by Palmer, with Hunter's signature added) on 1 leaf
- 2/10 1829 Jan 17 [Letter] Albany St to Messrs Field, Seward & Mainwaring/Busk, Keene & Co. [Recapitulates the case between Busk, Keene & Co and a Mr Horner, in which Field, Seward & Mainwaring are arbitrators; makes new proposals concerning the steam engines and boilers involved in the dispute]

- 6p ms. on 2 leaves
- 2/11 1829 Jun 13 [Letter to] J Field, Lambeth, M I Brunel. [Concerns burning of sawdust: 'we have never burnt the sawdust at Battersea but at Chatham it is done with success'. Requests bill for ordnance stores sent to him recently]
1p holograph signed on 1 leaf
- 2/12 1830 Jan 24 [Letter] Chelsea W[ater] W[or]ks [to] Joshua Field, Maudslay & Co, Lambeth/James [S?] Simpson. [In reply to Field, gives details of (steam) engines installed at Glasgow Water Works]
2p holograph signed on 1 leaf
- 2/13-15 1830 [Documents relating to the draining of Haddenham Level]/ Maudslay, Son & Field. [Contents: copy letter, May 17, to the Commissioners of the Haddenham Level, forwarding estimates and plans; specification, Jun 30, for an engine-house (2 copies); copy agreement, Jul 10, for the supply of equipment, including two steam engines and a water-wheel, at a price of £3,600]
4 items, 8p ms. on 4 leaves
- 2/16 1860 Apr On Giffard's injector for feeding steam boilers (continued discussion): [notes taken at a] meeting 1860 Apr 25 [at the] Institution of Mechanical Engineers
2p ms. on 1 leaf
- 2/17 NO. NOT USED
- 2/18 1822? The patent steam carriage of Julius Griffith Esquire from the Monthly Magazine for September 1822. [Broadsheet advertisement for a road locomotive carriage with engraved illustration of same as heading]
1 sheet
- 2/19 1825 Feb 18 Report on locomotive engines sent to Mr Palmer/[Joshua Field. Describes experiments (for Liverpool and Manchester Railway), 1825 Jan 17, designed to estimate the power and fuel consumption of 'the locomotive engines on the Killingworth line'. Includes a table which compares results using different types of coal]
3p ms. (holograph?) on 1 leaf
- 2/20 1825? The Liverpool and Manchester Railway. A Few Plain Facts/[Mersey and Irwell Navigation Co. Addressed informally to Members of Parliament ('Sessions, 1825') arguing against the proposed Liverpool and Manchester Railway]
3p on 1 leaf

- 2/21 ca1829 Patent specification and drawing no. 5415 1826 Oct 11/
Theodore Jones. [A specification for improved carriage wheels
and suspension. Watermarked 1829]
4p lithographed ms. on 1 leaf + 1 leaf of plates
- 2/22 183-? Mr George Stephenson's Reasons for preferring the flat sided
to the circular firebox/[George Stephenson (with additions by)
Mr Farey. Concerns railway locomotive fireboxes. Refers to an
exhibition held in 1831]
4p ms. on 1 leaf
- 2/23 1832 Nov 12 Answers to the Queries contained in Mr Farey's letter to Mr
Booth (27 October 1832)/Wm Alcard. [Written at Liverpool.
Discusses locomotive fireboxes, with sketches. Endorsed
'Round and flat fireboxes. No.7']
1p holograph signed
- 2/24 1837 Jan 27 [Letter to] Messrs Maudslay & Field, Lambeth/M I Brunel.
[Requests a different rigger from the one supplied; gives
measurements and a sketch, emphasising urgency. With an
undated note headed 'Th[ames] Tunnel asking for riggers for
the 'end of the crank']
3p holograph signed on 2 leaves
- 2/25- 1844 The Atmospheric Railway. Proceedings of the House of
32 Commons' Committee on the Epsom Bills/[collected by
Maudslay Sons & Field. Newspaper cuttings collected from
publications mid-1844. Covers the atmospheric railway
controversy, including the correspondence aroused in the
press] Numerous pages
- 2/33 NO. NOT USED
- 2/34 [180-?] Method of calculating the effect produced by Donkin and
Maudslay's combination of wheels. [Explains, with sketches,
the principles underlying Donkin and Maudslay's differential
gear wheel arrangement (patented as a differential gear hoist
etc., no. 2948 of 1806). Watermarked 1805]
9p ms. on 3 leaves
- 2/35- 1806 Apr 2- [Letters to Henry] Maudslay [and Joshua] Field/M I Brunel. [All
43 Nov 18 concern the Portsmouth blockmaking machinery, then under
construction at Maudslay's works; all contain sketches of
machinery by Brunel and some have rough sketches by
Maudslay or Field. Item, 2/38 (Aug 22) has two leaves
holograph signed technical drawings of circular saw by Brunel.
The letters reflect importance of interaction between Brunel
and Maudslay in machine design and Brunel's impatience at
delays. Costs discussed in item 2/42 (Nov 12)]

8 items, 20p holograph signed on 10 leaves

- 2/44 [ca 180-?] Disposition of a Building for a Saw Mill Invented by [M] I Brunel & Executed by Henry Maudslay, Margaret Street, Cavendish Square for Messrs Mann & Bannard by Order of James Drummond Esqr. [A general description, originally accompanied by drawings (these not present)]
2p ms. on 1 leaf
- 2/45 1812 Dec 15 [Letter to] Mr Maudslay, Lambeth/A Kittoe. [Discusses his idea for bending timber 'upon a large scale', for use in shipbuilding etc; refers to recent trial and to visits to M's works; illustrates his methods with a sketch]
3p holograph signed on 1 leaf
- 2/46a 1813 Sept 4 [Fragment stating requirements for components for] Chatham Saw Mill [and for a capstan. [Possibly holograph by M I Brunel, with a brief note in another hand. Probably torn out of a larger sheet]
1 leaf ms.
- 2/46b 1835 Apr 18 [Sketch of a 38 inch diameter grooved (pulley?) wheel. Signed with initials R B and T T?] 1 leaf ms.
- 2/47 NO. NOT USED
- 2/48 [ca1807?] First elementary card teaching by a simple formula the use of the logarithmic lines of numbers commonly called the sliding rule/by Joshua Field, practical engineer, Lambeth. [A draft of instructions, possibly intended for publication. Watermarked 1807]
4p holograph
- 2/49 1813 Mar 9 [Letter] Chatham Yard [to] H Maudslay, Lambeth/N S Cooper [and] T M Haite? [Returning unsatisfactory goods (6 hemp dressers' hatchets and 80 ropemakers' hatchets). Signed by both]
1p ms. on 1 leaf
- 2/50 1813 Sept 29 [Copy] Specification, with reference to the Drawings Nos.1 & 2 of the Articles required to be supplied for the Forcing Pump, to be fixed at His Majesty's Dock Yard at Plymouth, accompanied with some necessary remarks/Simon Goodrich. [Contains no drawings; endorsed on verso 'delivered Sep 6 1814']
3p ms. on 1 leaf
- 2/51 1813 Dec 14 To Tradesmen and Manufacturers/[a sub-committee of the General Committee of Manufacturers. Concerns the efforts of the General Committee of Journeymen to ensure enforcement

- of the widely-neglected law governing entry into the apprenticeship and thus to limit the number of apprentices; Manufacturers urged to oppose these moves. The journeymen's petition is reprinted on verso]
2p on 1 leaf
- 2/52 1814 Nov 29 [Letter] Royal Engineer Office, Waltham Abbey [to] Mr Maudslay/ Wm Drayson. [Asks M to tender for the erection of a wood-charring building with an iron roof (sketched on verso)]
2p holograph signed on 1 leaf
- 2/53 1815 Oct 15 [Letter] Lille [to] Messrs Henry Maudslay & Comp/Ju[les] Barrois & fils. [Asks Maudslays to quote for steam engine(s) suitable for working 3 different hypothetical arrangements of carding machines in their factory; asks also for details of coal and water consumption. Translation]
1p ms.
- 2/54 1818 May 25 [Letter] Portsmouth Yard [to] Mr Maudslay or Mr Field, engineers, Lambeth/Simon Goodrich. [Recommends the bearer, William Brown, a gun-maker formerly employed at Portsmouth Yard and now unemployed after 'some little scrape'. 'Shall be glad to hear whether you or Mr Brunel did any thing for friend Grimshaw']
2p holograph signed on 1 leaf
- 2/55 1819 Jun 25 [Letter, Seraing? to] Messrs Maudslay & Co/ Ch[arle]s James [Cockerill] & John Cockerill. [Asks for parts of a double hydraulic press to be shipped to Antwerp]
2p ms. on 1 leaf
- 2/56 1820 List of articles invented, manufactured and sold by Joseph Bramah and Sons, Machinists and Engineers. [Lists articles with prices; chiefly locks, but also water closets, pumps, presses etc]
2p on 1 leaf
- 2/57 1832 Feb 17 [Audit of the account of] Charles Babbage, d[ebto]r to Joseph Clements [sic] of Southwark to a machine for calculating ... as far as finished to the 31st December 1832/Bryan Donkin [and] Joshua Field. [Lists the parts (of Babbage's Difference Engine no. 1) completed by Clement to 1831 Dec 31, referring each item to cost statements in previous accounts (item costs not given here). Account balance is given (p.19) as £1,720.14.4 with an itemised error of £4.18.0 in Clement's favour, making Babbage's debt £1,725.12.4. Field's personal copy]
8p ms. (pp.12-19) on 3 leaves
- 2/58 1852 Feb 28 To the Workmen late in the employ of Messrs Maudslay, Sons,

- & Field. [Urges the workforce to disown the 'Executive Council of your Society' which has determined to abolish piecework and overtime. Maudslays have retaliated with a lockout?]
2p on 1 leaf
- 2/59 1866 Memoir of George Rennie Esq, CE FRS. [Consists of obituary notices from the Gentleman's Magazine and The Artisan, 1866 May]
15p
- 2/60 - Views of a Reel. [Line drawing with colour wash: represents a reel 13" deep and 2'2" in diameter; endorsed 'reels Plymouth'. Probably had a use in rope-making. Bears initials I (or J?) K]
1 leaf ms.
- 3 1809 Jun 3 An Act for building a Bridge across the River Thames from or near Vauxhall Turnpike ... to the opposite shore ... and for making convenient roads thereto
Bound vol. containing pp.2781-2855
- 4 [1813?] Experiments on Congreve's Gun. [Gives an analysis of trials on Sutton Heath between Congreve's gun (7'6" long, 40cwt) and two other guns]
12p, bound
- 5 ca1828 Estimates for Machinery etc. 1813-1828/[Joshua Field for Henry Maudslay & Co. The back 8 leaves (used first) contain Field's estimates for supply of various machinery, including copy letters to clients, 1813-17. The front of the book contains (later?) undated costings of manufacturing projects, followed by ms. copies in a clerk's hand of two reports by Captain J H Johnston on steam navigation of Indian rivers. These comprise: (pp.22-30) 'Report of Capt Johnston relative to the internal navigation of India', being a copy of his report (originally written at Calcutta 1828 Jul 22 and addressed to 'my Lord') and which discusses the feasibility and operating of steam vessels on Indian rivers; (pp.31-65) letter, 1828 Nov 4, Calcutta to H T Prinsep, Secretary to the Government General Department, which describes the voyage of the *Hooghly* steam vessel from Calcutta to Allahabad, 1828 Sept 8 to Oct 1 and her return journey Oct 3-17, and discusses the future of steam navigation on the Ganges, whilst pp.48-65 contain further related notes and a log of the *Hooghly's* outward journey. Indexed]
183p ms., bound
- 6 1823 Description of a Railway on a new Principle/Henry R Palmer vi, 60p + 2 folded leaves of plates, bound

- 7a & b 1821 Aug
20-Sept 6 [Diary of a tour made by Joshua Field in 1821 through the Midland manufacturing districts of England. Published in full transcription, including sketches, in **Transactions of the Newcomen Society** 6 1925-26, p.1-41 and 13 1932-33, p.15-50] 2 bound vols., holograph with holograph sketches
- 8 1825-1836 Paddle Wheels 1825-1836. [A compilation of printed pamphlets etc, collected by Joshua Field? Includes: 'A circular explanatory of [Andrew Motz] Skene's patent as applicable to steam navigation and undershot water-mills' (22p); 'Description of a new method of propelling steam vessels, canal boats etc: a relation of recent experiments, and copies of letters received' by John Lee Stevens, the patentee (17p)] 6 items, bound
- 9 1829-1833 Thames Tunnel 1829-1833. [Comprises: 'A Letter to the Proprietors of the Thames Tunnel' by M I Brunel (15p); 'The Tunnel Under the Thames' by M I Brunel (20p)] Bound vol.
- 10 1831 Reports on Navigation of the Euphrates/submitted to Government by Captain Chesney of the Royal Artillery 68p + 2 leaves of plates and maps, bound
- 11 ca1837 [Three publications concerning Samuel Hall's patented improvements in steam engines/collected in one cover and presented to the firm of] Maudslays & Field [by] Samuel Hall. [Comprises: Hall's 'Address to the ... Select Committee of the House of Commons on Steam Communication with India' 1837 Jul 15 (22p); his 'Address to the British Association explanatory of the injustice done to his Improvements on Steam Engines by Dr Lardner' 1837 (10p); and his 'Patent Improvements on Steam Engines' (20p + 2 folded plates)] Bound vol.
- 12 [1841?] Ms. Glances at Atlantic Steam Navigation. [An account, mainly from published sources up to mid-1841, of the Atlantic steamers *Sirius*, *Great Western*, *Royal William*, *Liverpool*, *British Queen* and *President*, with a section on the 'Halifax steamers' built for Cunard. Ms. text with illustrations from printed sources] Bound vol.
- 13 1848 Nov 9-
1850 Sept Engineer's Note Book]/N? Jackson. [Jottings, rough calculations, trials results etc, chiefly concerning marine engines; miscellaneous other material includes items on machinery for foreign mints] Bound vol. (mostly unused)

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