

## **INDUSTRIAL REVOLUTION: A DOCUMENTARY HISTORY**

### **Series Two:**

**Papers of John Rennie (1761-1821), Thomas Telford (1757-1834)  
and related figures from the National Library of Scotland**

### **DETAILED LISTING - PART 1**

The following manuscript descriptions are based on the existing catalogue of manuscripts at the National Library of Scotland, with additional details gleaned from an inspection of the material.

#### **REEL 1**

##### **MS. 2909 LETTERS OF TELFORD, THE RENNIES, THE BRUNELS AND OTHERS, 1776-1883**

Letters of Telford, the Rennies, the Brunels, and others, chiefly engineers, British and foreign, 1776-1883, n.d., apparently from a collection or collections of autographs. They include several on antiquarian subjects, written by J A Repton to J G Nichols, Editor of the *Gentleman's Magazine*.

162ff. Folio and under.

*Bought, Sotheby's 10 November, 1938, lot 487. Reid Fund.*

##### **MS. 3217 PATON COLLECTION**

MS 3217-3219 comprise letters collected by Allan Park Paton (d1905), Librarian of Greenock Library and a keen promoter of cultural and other activities in the town. Only MS 3217 is relevant to the concerns of this project. It contains letters written to Allan Paton and other persons in Greenock, or otherwise relating to Greenock, 1816-1911, n.d., with a photograph of the register of baptism of James Watt, 1736. The letters deal, among other matters, with the Mechanics' Institution, 1839, the harbour, 1841, the Artisans' Club, 1847-48, and the artistic and other enterprises in which Paton interested himself. These projects included memorials to John Fleming, the painter, 1850, ?1857-8, and John Galt, 1864-71, exhibitions of paintings, 1861, 1864-68, and the Morris windows in the Old West Kirk, the designer of one of them being identified as Edward Burne Jones, 1864-71, 1882-4, 1898-9. The writers include James Watt, 1816, Sir Walter Scott, 1831, Kossuth, Ruskin, William Morris, Philip Webb, D G Rossetti, Thomas Woolner and other Pre-Raphaelites, John Davidson, George Meredith, Matthew Arnold, and various authors, painters, sculptors, and architects.

i + 256 ff. Folio and under.

#### **REEL 2**

##### **MSS. 3533-3534 JOSEPH BLACK**

Lectures on Chemistry: 'Elements of the Theory and Practice of Chymistry, delivered by Joseph Black, Professor of Chymistry at Edinburgh, in two volumes', 1767. The arrangement is broadly that of the lectures printed from Black's own manuscripts in 1803; but the notes cover rather less ground. A printed pamphlet, *The Preparations of Mercury*, occupies ff. iii-vi of MS. 3534. Quarto.

3533 xii + 262pp.

3534 vi + 380pp + several blank pages.

#### **REEL 3**

##### **MS. 8487 JOSEPH BLACK**

Series of fifteen lectures on the subject of heat delivered at Edinburgh University during latter half of the 18<sup>th</sup> Century. The subject matter is essentially similar to other manuscript versions e.g. MSS.3533 and 3534 and to the printed text, lectures on the Elements of Chemistry, Edinburgh, 1803, but the arrangement of the material is different.

ii +262 ff. Octavo. *Bought, 1954. Reid Fund.*

##### **MS. 9157 TELFORD**

Diary of Thomas Telford, the engineer, contained in Simpson's Gentlemen's Almanack and Pocket Journal for 1833. The entries, which cover the period 1 January, 1833 to 2 January, 1834 contain a brief and continuous factual record of Telford's professional business. There are numerous short references to engineering projects with which he was concerned, to letters written, and to persons met. Occasional personal references, to health or reading, also

occur, and there are periodic notes of household and other personal expenses.  
li+54+printed ff. *Bought, 1964: ex Sotheby's 10 February, 1964, lot 242.*

### **MS. 9352 JAMES RENNIE**

'Essay on the Application of Steam to the Purposes of Navigation', 1816, a fair copy by Rennie of his prize essay. In an introductory note (f.ii; iv), Rennie states that he could not transcribe 'several important particulars, which he has in the Scroll Copy'.

For another prize essay by Rennie, see MS.2726  
ii.f.+115 pp. Quarto. *Bought, 1959.*

## **REEL 4**

### **MSS. 19771-19965 RENNIE PAPERS**

(see page 11 of this guide for an introduction to the Rennie Papers).

### **MSS. 19771-7 BRIDGES**

#### **MS. 19771**

- (i) Archway bridge at Highgate, correspondence, 1811-12, 1817. (f.1).
- (ii) Boston, draft report, estimate, and letter, 1800, 1811.(f.31).
- (iii) Bridge of Earn, letters, 1820-1, and plan, n.d. (f.38).
- (iv) Carlisle, letter, 1812. (f.43).
- (iv) Carlisle, letter, 1812. (f.43).
- (v) Chepstow, letters, 1811-12. (f.45).
- (vi) Conway and Menai, papers, reports, and correspondence relating to these bridges in particular, and to improvements to the road to Holyhead in general, 185-6, 1801-14, 1810-11. (f.49). 265 ff.

#### **MS. 19772**

- (i) Cramond, report, 1821 (f.1).
- (ii) Datchet, memorandum, 1801. (f.3).
- (iii) Glasgow, correspondence and reports, 1768, 1798-9, 1817. (f.4).
- (iv) Kelso, correspondence and reports, 1797-1803, n.d., and photographs, 20th cent. For a copy of the Daniell print of the bridge, see MS.19964. (F.45).
- (v) Kirkstall, memorandum, correspondence, and section, 1817-20. (f.94)
- (vi) London Bridge, correspondence, 1821, 1830-32, with 20<sup>th</sup> cent. press cuttings relating to it. Further material relating to this bridge can be found in MS. 19943, ff. 1-23. (f.106).
- (vii) Londonderry, letter, 1814. (f.135).
- (viii) Musselburgh, memorandum and letter, 1803, 1809. (f.137).
- (ix) New Galloway, letters, 1817, 1820-1. (f.140).
- (x) Newton Stewart, post card, 20<sup>th</sup> cent. (f.150).
- (xii) Tweed bridge at Upsettlington, correspondence, 1817, 1821. (f.160).
- (xi) Ouse bridge at York, 1817. ( f.151).
- (xii) Rochester, memorandum and report, 1820. (f.153).
- (xiii) Tweed bridge at Upsettlington, correspondence, 1817, 1821. (f.160).
- (xiv) Vauxhall, correspondence, 1809-11, 1817. (f.163).
- (xv) Wellington Bridge, Leeds, correspondence, 1817, 1820. (f.185).
- (xvi) Westminster, correspondence, 1810-12, 1818. (f.190).  
199 ff.

#### **MS. 19773**

Notebook giving quantities and quality of stone required for Vauxhall bridge, 1810.  
5 + many blank ff. Octavo.

## **REEL 5**

#### **MS. 19774**

Southwark Bridge: correspondence, papers and drawings, 1811, 1814-21.  
245 ff.

**MS. 19775**

Volume containing copies of letters written by Rennie to Joshua Walker and Co., of Rotherham, who supplied the iron for Southwark Bridge, 1815-19. The correspondence relates mainly to delays in the delivery of the metal.  
68pp. Octavo.

**MS. 19776**

Waterloo Bridge, correspondence, reports, and prints, 1810-18, n.d., with some press cuttings relating to its demolition in 1934  
115 ff.

**MS. 19777**

Notebook containing a detailed account, including many diagrams, of the construction of Waterloo Bridge, compiled in 1817 by George Rennie.  
61 ff. Quarto.

**REEL 6****MSS. 19778-85 CANALS AND NAVIGATIONS****MS. 19778**

(i) Aberdeen, letters, 1796, 1801. (f.1.).  
(ii) Aire and Calder, correspondence and papers, 1820-1. (f.4).  
(iii) Bath and Bristol, estimates and reports, 1796, 1803, n.d. (f.71).  
(iv) Birmingham, report, 1808. (f.88).  
(v) Chelmer and Blackwater, reports, 1793-6. (f.118).  
(vi) Colne, report by Thomas Telford, 1811. (f.133).  
(vii) Crinan, correspondence, papers and reports, 1803-4, 1816-20. (f.135).  
(viii) Dart, letters, 1806. (f.233).  
(ix) Don, report, 1821. (f.237).  
(x) Gloucester and Berkeley, printed report, 1811. (f.239).  
(xi) Grand junction, correspondence, reports, and drawing, 1794. (f.240).  
(xii) Grand Trunk, letter, 1800. (f.247).  
(xiii) Grand western, report and letter, 1811, 1821. (f.249).  
(xiv) High peak Junction, reports (printed and draft), 1810. (f.252).  
(xv) Huddersfield, letter, 1820. (f.256).  
255 ff.

**MS. 19779**

Chelmer and Blackwater, survey notebook, 1792.  
18+ blank ff. Oblong octavo.

**MS. 19780**

Kennet and Avon, correspondence, 1793-8, 1801-2. Much of Rennie's out-going correspondence relating to this canal can be found in his letter books MSS 19936-7. 255 ff.

**REEL 7****MS. 19781**

Kennet and Avon, correspondence, 1803-10, 1817, and reports, estimates, and other papers, 1794-1810.  
196 ff.

**MS. 19782**

(i) Lancaster, reports, 1794, and correspondence, 1794, 1817. (f.1).  
(ii) Lea, reports, 1807. (f.34).  
(iii) Leeds and Liverpool, correspondence, 1798. (f.42).  
(iv) London to Portsmouth, including the Croydon Canal, correspondence, 1795, 1802-4, 1817, 1821, and papers, 1802-3. (f.50).  
(v) Perthshire, instructions for a survey, 1793. (f.230).  
(vi) Regent's, correspondence and printed plan, 1811-12. (f.232).  
(vii) Rochdale, dividend letters, 1811, 1817. (f.243).  
(viii) Rother, reports, 1804-5. (f.246).

- (ix) Royal (Ireland), letter, 1806. (f.256).
  - (x) Shannon, correspondence, 1821. (f.258).
  - (xi) Tamar, correspondence and reports, 1795-6. (f.266).
  - (xii) Thames and Medway, reports, 1800, 1803, 1820. (f.299).
  - (xiii) Union, correspondence, 1800, 1816-17. (f.307).
  - (xiv) Worcester and Birmingham printed minute, 1811. (f.313).
- 314 ff.

**MS. 19783**

Notebook containing draft accounts for cleaning and repair of the Leeds and Liverpool Canal, c1791. Quarto.

**MSS. 19784-5**

Survey notebooks for the Rochdale Canal, c1791. Quarto.

19784. Colne to Farside branch. 26 ff.

19785. Dean Royd to Touchethole Branch. 26 ff.

**REEL 8**

**MSS. 19786-7 FEN DRAINAGE**

These papers concern all Rennie's drainage work in Lincolnshire and Cambridgeshire. The earlier papers relate principally to East, West, and Wildmore Fens, then to Deeping Fen, and finally to the Eau brink Cut for the Swaffham and Bottisham Drainage Commission, The papers also include material relating to work to make the rivers Witham and Foss navigable.

**MS. 19786**

Correspondence, 1800-21.

200 ff.

**MS. 19787**

(i) Memoranda and accounts, 1768, 1800-21. (f.1).

(ii) Poems of William Hall, poet and antiquary of the Fens, printed and manuscript, 1818, 1820, n.d. (f.137).

(iii) Bills and receipts connected with Rennie's stay at Eastville near Boston while working on Fen drainage, 1817-18. (f.142).

193 ff.

**REEL 9**

**MSS. 19788-805 HARBOURS**

**MS. 19788**

(i) Aberdeen, correspondence, papers and plans, 1770, 1792, 1807-20, including a printed report by John Smeaton, 1770. (f.1).

(ii) Ardglass, plan and correspondence, ca 1811, 1815 (f.58).

(iii) Ardrossan, including the Paisley and Ardrossan Canal, correspondence, reports, and estimates, 1806-21. (f.67).

289 ff.

**MS. 19789**

(i) Ayr, copy of a report by John Smeaton, 1771, printed Acts of Parliament, 1772, 1794, and correspondence 1805. (f.1)

(ii) Balbriggan, correspondence, 1818, 1820. (f.32).

(iii) Barton Ferry, correspondence, 1817. (f.47).

(iv) Belfast, reports and letter, 1815, 1817, 1821. (f.50).

(v) Berwick, estimate and correspondence, 1807-14, 1817, 1820-1. (f.74).

(vi) Boston, parliamentary bill, 1812, letter, 1821. Further papers mentioning this harbour are to be found in MSS. 19786-7. (f.151).

(vii) Bridgewater, printed prospectus for improvements, 1811. (f.181).

182 ff.

## REEL 10

### MS. 19790

- (i) Bridlington, correspondence, 1810-16, and reports, plans and other papers, 1806, 1811-13, 1815. (f.1).
- (ii) Bridport, correspondence, 1809. }f.142).
- (iii) Bristol, printed memoranda, 1800, 1802, and a transcript of the evidence given by William Jessop concerning the harbour works, with Rennie's comments, 1803. (f.160).
- (iv) Buckie, reports and letter, 1780, 1808, 1810. (f.210).
- (v) Burntisland, letter, 1821. (f.218).
- (vi) Chatham, reports, 1821. (f.220).
- (vii) Charlestown, papers, and correspondence, 1806-9. (f.226).
- (viii) Cromarty, estimate, n.d. (f.248).
- (ix) Deal, letter, 1806. (f.249).
- (x) Deptford, letter, 1821. (f.251).
- (xi) Donaghadee, correspondence and papers, 1815, 1820-1. (f.252).
- (xii) Dover, copy of report by John Smeaton, 1771, report and letter, 1802. (f.277).
- (xiii) Dunbar, copy of report by John Smeaton, 1772. (f.292). 293 ff.

### MS. 19791

Dunleary, including Dublin and Howth, correspondence 1801, 1807, 1811, 1815-18. 135 ff.

## REEL 11

### MS. 19792

Dunleary, correspondence, 1818-20, reports plans etc., 1815-18, 1831. 209 ff.

### MS. 19793

Dunleary, notebook, 1801. 25 ff. Octavo.

### MS. 19794

- (i) Dysart, estimate and letters, 1821. (f.1).
- (ii) Embo, reports and estimate, 1820-1. (f.6).
- (iii) Errol, letter, 1820. (f.14).
- (iv) Fishguard, letters and report, 1819. (f.16).
- (v) Fraserburgh, daily observations of winds, tides, and weather, Oct. 1807 – Nov. 1808. (f.28).
- (vi) Greenock, correspondence, 1806-9. (f.38).
- (vii) Grimsby, estimates, reports and correspondence, 1796-9, 1804-6, concerning lock gates between the Grimsby Navigation and the harbour, including (ff. 83-4) a detailed drawing of the gates, 1798. (f.78).
- (viii) Holyhead, correspondence, 1801-2, 1805, 1812, 1814-19, 1821, reports and papers, 1811, 1814-15, 1817, 1821. (f.128). 280 ff.

## REEL 12

### MS. 19795

- (i) Leith, correspondence, 1803-4, 1809, 1811, 1817, most of it concerning ferries across the Forth, and objections by the Port of Leith to the construction of the Union Canal, (f.1).
- (ii) Liverpool, correspondence and plans, 1812, 1817, 1820-1, including letters relating to the opposition to the erection of Telford's bridge at Runcorn, 1817. For papers relating to the Perch Rock Light see MS. 19806. ff. 239-52. (f.69).
- (iii) London, reports and correspondence (some copies) concerning various docks on the Thames, 1794, 1801-4, 1806, 1808, 1817-19, 1821. 9f.139).
- (iv) Lyme, letter, 1817. (f.190).
- (v) Lynn, Report, 1821. (f.192).
- (vi) Milford (probably Milford haven), letter, 1813. (f.193).
- (vii) Newhaven, Edinburgh, letters, 1813-14, 1817, 1821. (f.195).
- (viii) Newhaven, Sussex, letters, 1811, 1813. (f.217).
- (ix) New Quay, Cardiganshire, letters, 1821. (f.221).
- (x) Pembroke, account for drawings for, 1821. (f.225).



**MS. 19805**

Notebook containing a description by John Baine of Loch Broom and Ullapool as a harbour, with detailed notes on the economic possibilities of the area for fishing, forestry, commercial peat production etc, as well as reports on the possibilities of improvement for the water supply and harbour of Ullapool, 1793. This report appears to have been compiled for the British Society for Extending the Fisheries, but is in the form of a letter to Rennie. Another copy of this work, though with some gaps, is in Adv. Ms. 16.1.13.

181 pp. Octavo.

**MS. 19806 LIGHTS**

(i) Bell Rock, correspondence, 1805-10, 1812, 1820-1, and reports, 1800, 1802-3, 1806. This consists principally of letters written by Robert Stevenson, as site engineer, to Rennie who was nominally in charge of the work. It also includes a copy, signed by Stevenson, of his address to the Northern Lighthouse Commissioners concerning the feasibility of constructing a light on the Bell Rock, 1800, and a further report by Thomas Telford and Murdo Downie, ca 1803. (f.1).

(ii) Harwich, reports and correspondence, 1807, 1810, 1812-13. (f.191).

(iii) Irish Lights, letter, 1812. (f.232).

(iv) May, letters, 1811. (f.233).

(v) Perch Rock, letters and report, 1821. (f.239).

252 ff.

**REEL 15****MSS. 19807-16 MILLS**

Though Rennie's reputation is based on his civil engineering works, he continued throughout his life to be interested in and to construct mill machinery, both for mills powered by water, wind and horses, and for those powered by steam. He had been briefly employed by Boulton and Watt in 1784, and it is thought that he agreed then not to construct steam engines himself. As a quid pro quo, Boulton and Watt regularly gave Rennie the task of providing the machinery to go with their engines and he served as a *de facto* London agent for B & W from 1784 to 1820. Thus Rennie's papers proved information on almost all types of industrial activity undertaken at the beginning of the 19<sup>th</sup> century. For material relating specifically to steam engines, see MS. 19825.

**MS. 19807**

(i) - (ix) Corn mills

(i) Albion Mill, street plans, c1795, c1814, showing the position of the mill, and the letter, 1786, in which Rennie described to his brother George the first starting of the mill, with miscellaneous notes and calculations relating to the mill, and to corn milling in London, 1796-8. (f.1).

(ii) Cork, letters, 1816-20. (f.16).

(iii) Barsloisnoch in Kilmartin, letter, 1797. (f.49).

(iv) Lingard and Sadler's Mill, Blink Street, Southwark, invoices and valuation, 1789-95. (f.50).

(v) Millbank Penitentiary, correspondence and estimates concerning mill at, 1816, 1818-21. (f.59).

(vi) Shirley Mill, Croydon, letters and account, 1810-12. (f.82).

(vii) Taplow, Buckinghamshire, valuation, 1818. (f.88).

(viii) Wandsworth, deposition by Rennie concerning obstructions to, 1804. (f.92)

(ix) Baxters' Mill, Dean Village, Letters, 1815 (f.94).

(x) - (xiii) Powder and Armoury mills

(x) Enfield lock, letter and report, 1811, 1813. (f.98).

(xi) Lewisham, report and letter, 1807, 1817. (f.104).

(xii) Paddington, near Abinger, notice, 1790. (f.110).

(xiii) Ramhurst near Tunbridge, letter and card, 1811. (f.111).

(xiv) - (xvi) Sawmills

(xiv) Darien, Georgia, letter, 1820. (f.114).

(xv) Fisherrow, letter, 1807. (f.116).

(xvi) Correspondence regarding disputed accounts for the sawmill constructed for Christopher Idle, 1816-17. (f.118).

145 ff.

**MS. 19808**

Albion Mill, invoice book, 1784-6.  
115 + blank pp. Quarto.

**MS. 19809**

Birbeck and Ball's Iron Foundry, notebook of patterns sent to, 1787. 41 pp. Quarto.

**MS. 19810**

Albion Mill, notebook containing detailed description of second engine, 1787. 41pp. Octavo.

**MS. 19811**

Notebook of prices of millwork, 1794. 20ff. Octavo.

**MS. 19812-13**

Lists of mill machinery manufactured by the Rennies.  
19812. 1791-1815. 321ff. 19813. 1815-61. 23ff.

**MS. 19814**

Notebook concerning mills at the Dean Village, 1808.  
4 + many blank ff. Octavo.

**MS. 19815**

Barclay and Perkins Brewery, notebook of alterations, 1796.  
6 + blank ff. Octavo.

**MS. 19816**

Papers relating to miscellaneous mills:

- (i) Barclay and Perkins Brewery, estimates and valuations, 1805-7, 1809, 1813-16, with a note of all payments made by the brewery to John Rennie and Sons, from 1794 to 1831 (f.1).
  - (ii) Billinge's Silk Mill, Twyford, drawings and notes, 1799. (f.25).
  - (iii) The Earl of Bridgewater's threshing machine at Home Farm, Ashridge, 1811-13. (f.31).
  - (iv) Cement mill at Loftus, Yorkshire, letters, 1811. (f.58).
  - (v) Claverton Mill, plan of water levels, 1806. (f.61).
  - (vi) Coulson and Co's mill, Limehouse, drawing and letters, 1810. (f.63).
  - (vii) Fermoy Brewery, letters and drawing, 1811, 1814-16. (f.70).
  - (viii) Iver cotton mill, plan of lead, n.d. (f.104).
  - (ix) Kirkstall, letters, 1811, 1817. (f.106).
  - (x) Pymore flax mill, letters, 1805-6. (f.110).
  - (xi) Rotherhithe, King's Mills, report and measurement, ca 1799. (f.152).
  - (xii) Rundell's Mill, Brick Lane, Letters, 1812-13. (f.136).
  - (xiii) Whatman's paper mills, Maidstone, notes, 1787. (f.146).
  - (xiv) Miscellaneous plans and calculations relating to mills, n.d. (f.148).
  - (xv) Petitions, minutes, and other papers concerning the pay and conditions of journey men mill wrights, 1805, 1814. (f.179).
- 194 ff.

**REEL 16****MSS. 19817-23 OVERSEAS OPERATIONS****MS. 19817**

Notebook concerning machinery for sugar mills in Trinidad and Guyana, 1803.  
5 + blank ff. Octavo.

**MSS. 19818-9**

Correspondence, papers, and diagrams concerning mills, mostly for sugar, for Jamaica, Trinidad, Barbados, and Demerara (Guyana).  
19818. 1805-13. 247 ff. 19819. 1814-21. 237ff.

**MS. 19820**

Notebook concerning MacKonochie's wind sawmill at Bombay, 1795.  
6 + blank ff. Octavo.



## REEL 17

### MS. 19821

- (i) MacKonochie's sawmill correspondence, 1795-6. (f1).
- (ii) Bombay harbour, report, 1796 (f26).
- (iii) Calcutta Mint, correspondence, drawing, and report concerning an engine and a cast iron bridge for, 1812-15, with a press photograph of the bridge, 1935. (f65).  
186 ff.

### MS. 19822

- (i) Amsterdam, canal dredger, correspondence, 1819-21 (f1).
- (ii) Cadiz, coppermill, correspondence and drawing, 1811, 1814-16. (f35).
- (iii) Capetown, waterworks, letter, 1814. (f51).
- (iv) Copenhagen, smithy for the royal dockyard, correspondence, 1805. (f53).
- (v) Le Havre, dredging machine, agreement and correspondence, 1818-19. (f.62).
- (vi) Malta dock, letter, 1813 (f.85).
- (vii) Nantes, cornmill, accounts, 1791-3, and correspondence, 1816-18. (f87).
- (viii) Naples, letters concerning a projected cast iron bridge, 1818-19. (f 100).
- (ix) St Helena, letters, 1810, concerning pozzolano, and 1815, concerning erection of mill work there. (f108).
- (x) St Petersburg, Imperial mint, letters, 1815. (f.114).
- (xi) Trinidad, railway, letters, 1807. Much of this concerns the use of rope for haulage, and it includes a letters of Captain Huddart on the subject. (f122). 132ff.

### MS. 19823

Notebook containing notes apparently for a corn mill at Nantes, but not for the same miller as that in MS. 19822, f87.  
iii + 7ff Octavo.

## REEL 18

### MS. 19824 BOULTON AND WATT

Correspondence between Rennie and Messrs Boulton and Watt, 1788, 1792, 1800, 1802, 1806, 1808-21. Since Rennie always used Boulton and Watt's engines, and Boulton and Watt Rennie's mill work, the bulk of this correspondence is to be found with the papers relating to specific undertakings. This volume contains miscellaneous and personal material, but it does include the letters from James Watt junior on his trip up the Rhine in the steam ship 'Caledonia' in 1817. It also contains (f.1) a copy of the patent granted to James Watt in 1755. 180ff.

### MS. 19825 STEAM ENGINES

- Includes 'Rough list of contents' (3pp) detailing correspondents, dates and projects.
- (i) Letters and estimate concerning the purchase by the government, for the use of the dockyard at Deptford, of the engines belonging to the Hon. George Villiers at Aldenham, 1811-13. (f1).
  - (ii) Reports, possibly by William Murdock, on the engines at Ale and Cakes, and Dolcoath copper mines near Redruth in Cornwall, 1782. (f9).
  - (iii) Description of a Boulton and Watt engine made for Mark Bell, Battersea, n.d. (f13).
  - (iv) Letters concerning and plans of the engine at Leader, Atlee and Langdale's distillery, Battersea, 1808, 1811. (f.15).
  - (v) Notes of experiments and calculations concerning the engine at Pitfirane, 1778, 1783-4. (f42).
  - (vi) Papers connected with the legal disputes between Boulton and Watt, and Jonathan Hornblower and Edward Bull concerning patent infringements, in which Rennie was involved as an expert witness. This material includes specifications and drawings of Hornblower's double action engine installed at the colliery at Radstock, 1781, 1784, 1787, 1792-3, 1795, 1799. (f46).  
160 ff.

### MS. 19826 SMALLER WORKS

- (i) Printing press for the Bank of England, correspondence and plan, 1805, 1810-11. 1813-15. (f.1).
- (ii) Railways (f.26).  
Berwick and Kelso, letters, reports, and plans, 1808, 1810-11.  
Charlestown, letter, 1812.

Mansfield and Pinxton, letters, 1817.  
(iii) Retaining walls. (f.49)  
Annan, reports, 1821.  
Chetney, letters, 1811, 1817.  
North Lynn, report, 1809.  
Reculver, correspondence and estimates, 1807, report, 1820.  
Tulliallan, correspondence and estimate, 1821.  
(iv) Romney Marsh drainage, letter, 1804 (f.83).  
(v) Royal Mint, correspondence and estimates concerning coin presses, 1805-6-1816 (f.87).  
(vi) Steam boats, correspondence and plans, 1817-20, relating to various applications of steam to the propulsion of boats. Letters concerning the Rhine cruise of the 'Caledonia' are to be found in MS. 19824, ff.116-23. (f.172).  
(vii) Towers batteries on the Irish coast, correspondence, 1804, 1806, largely connected with the financial affairs of John Murray the contractor. (f.210).  
(viii) Waterworks (f..225).  
Doncaster, estimate by George Rennie, 1814.  
Drury Lane Theatre reservoir, letter, 1812.  
Edinburgh, correspondence and reports concerning water supply, 1815, 1817-19, 1821.  
Kent waterworks, letter, 1810.  
Westminster sewers, letters, 1817.  
York Buildings Company, letter, 1811.  
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## **REEL 19**

### **MSS. 19827-30 GENERAL CORRESPONDENCE**

#### **MSS. 19827-28**

19827. 1785, 1788, 1790, 1792-6, 1798- Oct. 1809. 256ff.

19828. Nov. 1809-1815. 307 ff.

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19829. 1816-Aug. 1819. 273 ff.

19830. Sept. 1819-1821. 272 ff.

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