

INDUSTRIAL REVOLUTION: A DOCUMENTARY HISTORY
Series One: The Boulton and Watt Archive and the Matthew Boulton Papers
from Birmingham Central Library
Part 12: Boulton & Watt Correspondence and Papers (MS 3147/3/1-79)

DETAILED LISTING

REEL 216

3/264 Eidingtoun Smeaton Hutton, 1806 (47 items)

1. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 2 Jan. 1806.
Docketed "John Haden's conduct at Mr. Young's satisfactory. The engine well put together. Gratuity given him. His further destination. Mr. Young wants a new fly shaft and wishes us to take back the old one. Remittances from sundries."
2. Letter. E. S. Hutton (Kennet Pans) to Boulton Watt & Co. (Soho). 10 Jan. 1806.
Docketed "Mr. Stein's order for 20 horse engine, with particulars."
3. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 14 Jan. 1806.
Docketed "Thomson's progress at the Blackburn Co.'s engine. Causes of his slow proceedings. Observations on the incompleteness of the drawings. Hadden & Sons not ready for an engine erector. Destination of Haden – will be assisted by Gemmel in putting up the reversing gear of Houstoun's engine. Intention of visiting Gibbs of Paisley. Correction of his information relative to Stein."
4. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 20 Jan. 1806.
Docketed "Mr. Gibbs' project for the establishment of water works at Glasgow. Is to inspect the locality and will give us further particulars. Mr. Houstoun wants an engine erector immediately. Remittances promised from sundries."
5. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 21 Jan. 1806.
Docketed "Remittance from Messrs. Struthers & Co. and statement of their account."
6. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 23 Jan. 1806.
Docketed "Enclosing statement of his account and remarks thereon. Remittance of £100 from Houldsworth & Hussey. Expected orders from Mr. Donaldson and Mr. Dunn. The schedule sent to Mr. Stein right. Wants copies of schedules etc."
7. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 31 Jan. 1806.
Docketed "Indifferent state of the engine of the Gourock Co. Statement of their account. Promise a bill in a week. John Haden sent to Mr. Houstoun's. Boiler of the Blackburn engine not yet arrived. Remarks upon Mr. Gibbs' intended water works at Glasgow. Proposes going to Inveresk etc."
8. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 11 Feb. 1806.
Docketed "Statement of Mr. Young's account. Progress and good conduct of Thomson at Blackburn. Sir John Hope's winding engine started and performs well. Grieve objects to the planes and proposes making those for the 2nd engine of wood. One of Trevithick's engines has burst and they are getting out of repute. Grieve to send us particulars for his lighting apparatus. Estimates of lighting apparatus wanted. Has given estimates of 4 and 6 horse engines to Mr. Donaldson. To direct to him at Davidson's Lodgings, Ingram St., Glasgow."
9. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 16 Feb. 1806.
Docketed "Interview with Mr. Buchanan of the Catrine Co. Particulars of an engine wanted by a friend of his. Receipt of the balance of their account."
10. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 19 Feb. 1806.
Docketed "Enclosing Thomson's account with comments upon sundry charges."

- 11.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 26 Feb. 1806.
Docketed "Further particulars of Mr. Snodgrass."
- 12.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 8 Mar. 1806.
Docketed "Upon the occasion of his intended motions. The engine at Blackburn finished by Thomson. Will take him to finish what remains to be done at Mr. Houstoun's engine. Gemmel could not be spared from Mr. Grieve. Haden thinks he can put up the disengaging apparatus and will proceed immediately to Aberdeen. Himself going to Inverness and Edinburgh. Account of his receipts from Mr. Millar and of his drafts upon Mr. Pearson."
- 13.** Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 15 Mar. 1806.
Docketed "Sir John Hope's shaft and steam pipes are right as cast. Orders wheels and shafts etc. for him. No drawings of the engine wanted. Mr. Grieve wishes to have a gazometer with his lighting apparatus. Another hand likely to be wanted in Scotland. Two or more engines likely to be wanted for the Glasgow Water Works. James Finlay & Co. order a lighting apparatus. Mr. Dunlop not to be forgotten. Thomson has finished the Balckburn Co. engine to satisfaction. Mr. Houstoun's not yet done."
- 14.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 28 Mar 1806.
Docketed "Has taken plans of Mr. Finlay's mills for a lighting apparatus. Mr. Boswell declines ordering an engine. Favourable report of his character. Has not mentioned to Mr. Grieve our opinion of the ineligibility of the lighting apparatus in his saw mill. Thinks his absence from Scotland for any long time would be injurious to the business. Enquires about forwarding Patrick Hutton and E. Dunn's engines. Explanation of Thomson's account of time."
- 15.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 5 Apr. 1806.
Docketed "Will leave Mr. Houstoun's account to be presented by Mr. Lawson. Progress made by Mr. Dunn. Proposes Thomson to erect his engine. Expectation of orders from Mr. Fleming and Mr. W. Houstoun. Houldsworth & Hussey defer payment until June. Receipt from Sword & Co. Ditto from Kamp on account of J. Watt & Co. Intention of setting out for Carlisle on Friday."
- 16.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 7 Apr. 1806.
Docketed "Cannot find a man to undertake Patrick Hutton's erection, who must have one sent from hence. Wishes Thomson to be recalled. John Haden went to Aberdeen on the 16th ult^o. Mr. Houstoun's engine to be finished in 5 or 6 days. We are to give Thomson directions as to his further destination."
- 17.** Letter. E. S. Hutton (Manchester) to Boulton Watt & Co. (Soho). 14 Apr. 1806.
Docketed "Remits Mr. Kelly's promissory note for £446.4. Letter from John Haden respecting the progress he has made at Hadden & Sons. Hadden & Sons have altered the position of the chimney. Their wrought iron work wants polishing."
- 18.** Letter. E. S. Hutton (Manchester) to Boulton Watt & Co. (Soho). 25 Apr. 1806.
Docketed "Encloses bill for balance of Appleton & Ogden. Has settled several small accounts – but no large ones. Mold Twist Co. request a more particular account of their shafts. Schofield & Nield never received the box of cement – order one. G. Cheetham orders 20 horse engine. Mr. Hutton at Mellor yesterday taking plans of Mr. Oldknow's mills. Propose coming to Derby on Sunday."
- 19a.** Letter. E. S. Hutton (Manchester) to Boulton Watt & Co. (Soho). 14 Jun. 1806.
Kept with (b) below. Docketed "Remittance from Mold Twist Co. who decline paying interest. Ditto from McConnel & Kennedy. Ditto from A. & G. Murray. A. & G. Murray want price of a safety pipe. Expected settlement with Mr. Clegg and Mr. Leach. Letter from Mr. Stein. Answered to Henry Creighton."
- b.** Note of the cost of a safety pipe for A. & G. Murray.

- 20.** Letter. E. S. Hutton (Manchester) to Boulton Watt & Co. (Soho). 18 Jun. 1806.
Docketed "Settlement of account with Mr. Leach and remittance of £841.8 from him. Remittance of £155.10 from W. Clegg and remarks on his conduct. Settlement of sundry small accounts and remittances of £14.14. Mr. Thomas Houldsworth to return his clack seat, paying expenses. Mr. Read alleges a promise of Mr. Lawson to take back his sun wheel. Favourable report of Mr. S. Bridge. Intends going to Mr. Ridgway, and returning to Manchester etc."
- 21.** Letter. E. S. Hutton (Manchester) to Boulton Watt & Co. (Soho). 22 Jun. 1806.
Docketed "Remits £400 from A. Smith. Also £15.17 in payment of T. Houldsworth's account etc. Vickers & Tedstill have paid their account to Henry Creighton. Dixon & Co.'s engine better for the attention – they are short of injection water. Ridgway's engine neatly done and they are well pleased with it. Radcliffe & Ross promise to remit by the 20th July. Account with Paulden's executors must stand over."
- 22.** Letter. E. S. Hutton (Flimby) to Boulton Watt & Co. (Soho). 27 Jun. 1806.
Docketed "Remittance of £500 from Rothwell & Co. Good performance of their engine. State of the Carlisle Twist Co.'s engine; supposed cause of the accident. Messrs. Watson & Co. promise to give Henry Creighton a bill for their account. Intention of proceeding by Sanquhar and Leadhills to Glasgow."
- 23.** Letter. E. S. Hutton (Carlisle) to Boulton Watt & Co. (Soho). 30 Jun. 1806.
Docketed "Statement of the account delivered to Messrs. Rothwell & Co. Defect in the cross bar of their engine. Account of the shabbiness of Watson Ainsworth & Co."
- 24.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 5 Jul. 1806.
Docketed "Receipt of our sundry letters and appointment to call on Mr. Mutrie in the course of a week. Letter from William Murdock Jr. mentioning his visit to his friends. Has not left any account of his time at Perth and Dundee. Intends him to repair Mr. Dunn's engine. Thomson unwell. Receipt of £109 from Houldsworth & Hussey. Sketch and description of the cracks in Mr. Dunn's cistern. Mr. H. Houldsworth wishes a man to put up his engine. Proposes for Varley to do it when he has finished at Mr. Wilson's."
- 25.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 8 Jul. 1806.
Docketed "Remittance on account of Houldsworth & Hussey."
- 26.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 10 Jul. 1806.
Docketed "Account delivered by him to Houldsworth & Hussey. Mode adopted by Mr. Dunn in repairing his crack. Mr. Mutrie satisfied with the information given him respecting the Glasgow Water Works. Offer a gig and horse – wants our opinion as to the purchase of it. Little hope of Thomson's recovery."
- 27.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 12 Jul. 1806.
Docketed "Order for a 14 horse by Messrs. Finlay & Co. Estimate and schedule to be sent them. Wishes to know the time in which we can generally engage to execute engines. Account of Mr. McKenzie and his estates. William Murdock Jr. returned and employed at Dunn's. Will proceed from hence to Houstoun's engine. Mr. Finlay anxious to have a lighting apparatus for the Catrine Mills. Will stay in Glasgow a week longer and then goes to Kennet Pans."
- 28.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 20 Jul. 1806.
Docketed "Report of McKenzie's plans and his character. Declines ordering an engine at present. Thomson dangerously ill. Arrangements with him. Thomson begs not to have his furniture sold off. William Murdock Jr. nearly finished at Mr. Dunn's. Cross bar of piston in his engine failed. Thinks Mr. Dunn will not easily be brought to a settlement of his account. Mr. Houstoun's engine going well. Relinquishes the intention of purchasing a gig and horses."

29. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 26 Jul. 1806. 2 sheets. Docketed *"Has requested S. Renny to spare John Haden for the examination of Patrick Hutton's engine. Dunn's engine completed by William Murdock Jr. to his satisfaction. Murdock now engaged at Mr. Houstoun's and destined to go to Mr. G. Dunlop upon the completion of his present job. Mr. Millar desirous of having his brasses with expedition. To be forwarded per coach. Haden to do the repairs of Mr. Millar's engine and then to erect H. Houldsworth & Co.'s. Gilbert Hamilton confirms the favourable report of Mr. McKenzie's character. Gourock Rope Co. decline ordering a lighting apparatus. Suppose an error in our conjecture as to the cost. Mr. Finlay expects to have his apparatus this season. Has not been successful in obtaining remittances. Statement of Mr. Dunn's account. Sentiments as to the settlement with him. Thinks more favourably of his character from information he has received of him. Enquires whether Thomson is entitled to any allowance from the Sick Club after he leaves us. Will be in Edinburgh by the middle of next week. Wants the account of Mr. Young's second rotative shaft."*

30. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 27 Jul. 1806.
On the same sheet:

Account. John Thomson in account with Boulton Watt & Co. 4 Jul. 1806.
Docketed *"Statement of Thomson's account. Wants information respecting circular saws. Probability of several engines being wanted for that purpose. Reference to the sketches of James Finlay & Co.'s mill which are enclosed."*

31. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 2 Aug. 1806.
Docketed *"Little progress made in the erection of the engine at Kennet Pans. Proposes sending Gemmel home. Settlement of Grieve's account deferred till Oct. Some account of the performance and advantages of the saw mill engine. William Murdock Jr. to begin on Dunlop's 4 horse engine."*

32. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 6 Aug. 1806.
Docketed *"Further account of the performance of Mr. Grieve's saw mill. Arrangements for the erection of Mr. Taylor's and Messrs. G. Dunlop & Co.'s engines by Gemmel and William Murdock Jr. Reference to his report of Mr. Dunn's expected abatement. Explanation of the receipts from Mr. Grieve on Sir John Hope's account."*

33. Letter. E. S. Hutton (Dundee) to Boulton Watt & Co. (Soho). 15 Aug. 1806.
Docketed *"Remits bill of £200 from Renny. John Haden has not quite completed Hadden & Son's engine. His trunk with the Aberdeen accounts taken by another traveller. Hadden & Co. offer to receive and remit the accounts due at Aberdeen. Orders an injection cock for S. Renny to inject into condenser. His mill at Edinburgh nearly built. Patrick Hutton will remit at the end of the month. The stuffing boxes of his engine in want of packing. Colonel Milne's account left at his agent's. Receipt of £4 from Wilkie. Will call on Mr. Haig at Edinburgh. Thinks a 10 horse engine would be best suited for Tandy & Co. Their old boiler and part of its apparatus might serve again. Enquires as to time. Anderson & Son and Mr. Balfour decline giving orders. Enquiry about the amount due to Thomson from the Sick Club and how to be passed."*

34. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 21 Aug. 1806.
Docketed *"Receipts from Robert Jamieson, Mr. Young and Patrick Hutton. Cause of the accident at Mr. Patrick Hutton's engine. John Haden to repair Mr. Millar's engine. Proposes for Varley to do the repairs at Mr. Haig's. Particulars of work done by Mr. Grieve's saw mill. Wants Brunel's address."*

35. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 27 Aug. 1806.
Docketed *"Indisposed. Finlay's drawings examined – thinks they will be followed without alteration. Explanation of Wilkie's account. Gemmel gone to Mr. Taylor's."*

36. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 2 Sep. 1806.
Docketed *"Statement of sundry accounts of men's time etc. James Finlay & Co.'s engine to be proceeded with according to the drawings. Enquires about addition to the estimate. His former information respecting Mr. Grieve's saw mill not to be relied upon."*

- 37.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 14 Sep. 1806.
Docketed "Copies of sundry accounts delivered in and explanations of charges for men's time. Employment and destination of the engine erectors in Scotland. Settlement with Mr. Dunn. Enquiries respecting the account of Messrs. Wilson & Sons and charge for Gemmel's time."
- 38.** Transcripts. Transcripts of two letters on the same sheet, as follows:
Letter. George Tower & Co. (Aberdeen) to E. S. Hutton [Glasgow]. 7 Oct. 1806.
Letter. E. S. Hutton [Edinburgh] to George Tower & Co. [Aberdeen]. 17 Oct. 1806.
Sent to Boulton Watt & Co., Soho by Hutton on 17 Oct. Docketed "Correspondence with Messrs. George Tower & Co. Aberdeen respecting an engine for a saw mill."
- 39.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 1 Nov. 1806.
Docketed "Performance of Mr. Stein's engine and imperfections remedied. Two new bonnets ordered for nozzles. Poole will be discharged in a week. His conduct satisfactory. Mr. Stein will want estimate of a 24 horse boiler and apparatus."
- 40.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 6 Nov. 1806.
Docketed "Mr. Lawson has not received our letters acknowledging receipt of his. Mr. Lawson gone to Wilsontown etc. Directions given to Poole. Mr. Glass undetermined about the saw mill engine. Awkward state of his affairs. Haden to erect H. Houldsworth's engine when he has finished at Mr. Renny's. William Murdock Jr. doing some repairs at the Perth Foundry engine. Is to finish Mr. Houstoun's and erect James Finlay & Co.'s."
- 41.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 26 Nov. 1806. 2 sheets.
Docketed "Has directed John Haden to do some repairs at Mr. Wilkie's. Orders cement and pomatum for Mr. Wilkie. Thinks favourably of Mr. Patrick Hutton. Mr. Lawson has received payment from Mr. Gibbs. Statement of account sent to Mr. Stein. Repairs of Messrs. Stirling's engine by John Poole and charge to them for his time. G. Dunlop & Co.'s engine ill managed. Charge to them for William Murdock Jr.'s time. Repairs to be done at Glasgow by William Murdock Jr. Statement of Varley's time at Wilsontown. Ditto of Gemmel's time at Mr. Grieve's and Sir John Hope's. No account received lately from Gemmel and does not know what detains him at Mr. Taylor's. Receipt of £2.19 from McBrair & Co. on J. Watt & Co.'s account."
- 42.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 3 Dec. 1806.
Docketed "Gemmel returned from Mr. A. Taylor's unwell and goes to his father's. Statement of his time and receipts at Mr. Taylor's. Wants the charge for interest to Messrs. Hadden's. Intends proceeding by way of Perth to Edinburgh. Expects an order for a 4 horse boiler and apparatus from Mr. Gibbs."
- 43.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 8 Dec. 1806. 2 sheets.
Docketed "Reference to Mr. Gibbs' order for a boiler and apparatus. Going to Perth etc. Sundry statements of account which he expects to get settled. Particulars of William Murdock Jr.'s time. Complaint from Mr. A. Taylor that the engine will not go its proper speed. Machinery thought by Mr. Hutton to be in fault. Directions for addressing at sundry places on his route. Corroboration of Monteith's failure."
- 44.** Letter. E. S. Hutton (Aberdeen) to Boulton Watt & Co. (Soho). 15 Dec. 1806.
Docketed "Remittance from Mr. Renny. Apparatus to be sent with Hadden & Sons' boiler."
- 45.** Letter. E. S. Hutton (Aberdeen) to Boulton Watt & Co. (Soho). 16 Dec. 1806. 2 sheets.
Docketed "Report of the state of the engines at Perth. Copies of accounts delivered in there. Prospect of orders from thence. Remittance from Mr. Patrick Hutton of Dundee. Observations upon the nature of his bill. Account of the state of the engines at Dundee and prospect of orders from thence. Renny & Co.'s engine at Arbroath complete – well finished. Contemplated order from Messrs. Tower & Co. of Aberdeen. Offers from other engineers. Hadden & Sons' engine doing well. Reference to their order for duplicate boiler. Information of his further progress."

46. Letter. E. S. Hutton (Dundee) to Boulton Watt & Co. (Soho). 18 Dec. 1806.
Docketed "Montrose Foundry Co. undecided as to the power of their engine. Intend adding a saw mill to their present works. The works of Messrs. Tandy & Co. to be sold – their intention of ordering a new engine suspended. Patrick Hutton's promise of taking up his note by a bill on London."

47. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 28 Dec. 1806.
Docketed "Payment of 14/- to Mr. Geddes. Receipt from Sir John Hope. Mr. Stein of Cannon Mills undetermined about having an engine. Complaint of the performance of Mr. Andrew Taylor's engine and of Gemmel's conduct. Has written to Hadden & Sons about their new steam pipe."

3/265 Eidingtoun Smeaton Hutton, 1807 (39 items)

1. Letter. E. S. Hutton (Glasgow) to John Southern (Soho). 7 Jan. 1807.

On the same sheet:

Rough sketch. Engine house for Mr. Girdwood's intended saw mill.

Docketed "Plan of engine house for Messrs. Girdwood & Co. Wants estimate of two 32 horse boilers instead of three 16 horse ditto."

2. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 11 Jan. 1807.

Docketed "With statement of his account. Omitted to notice our receipt of Mr. Grieve's remittance to him. Alexander Hadden & Sons will prepare steam pipes themselves. Favourable report of the Montrose Foundry Company. Has not procured certificate from John Thomson of his illness etc. James Finlay & Co.'s materials arrived in the Clyde. Enquires about plated goods ordered by Mr. Lawson."

3. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 26 Feb. 1807.

Docketed "Stirling & Sons – only one boiler. Want a jack head cold water pump. Gibbs' boiler arrived – delays on the road of engine goods. Arrangement of men proposed. Work done by Mr. Young's engine."

4. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 9 Mar. 1807.

Docketed "Size etc. of Stirling's col water pump. Haden's report upon Mr. A. Taylor's engine. The inequalities of motion in Mr. Renny's engine not removed by Mr. Lawson's alterations. Intend putting a fly wheel on the shaft. Enquires about making sketches for new light. Finlay & Co.'s fly wheel not arrived."

5. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 25 Mar. 1807.

Docketed "Remarks upon the shipment of Finlay & Co.'s fly wheel. Wishes our opinion upon William Murdock Jr.'s clutch. Mr. Girdwood will himself prepare the machinery for his saw mill. Stirling & Co.'s cold water pump to be executed, as before ordered. Has not heard from Haden. Enquires time of executing light apparatus."

6. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 4 Apr. 1807.

Docketed "John Haden arrived from Arbroath. The application of the additional fly to the plashing mill has proved effectual. Mr. Louison of Arbroath likely to want a 6 horse engine. Will forward drawings taken by Haden. Value of the Scotch boll."

7. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 15 Apr. 1807.

Docketed "Has been unwell. Is applied to by Mr. Primrose about a 12 horse engine. Mr. Girdwood's materials not yet arrived."

8. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 3 May 1807. 2 sheets. Docketed "Has not obtained any particular information respecting the responsibility of Mr. Louson, or Gargill & Balfour. Mr. Stein's opinion of Mr. Primrose. John Brunton arrived and employed at Monack's. Defects of piston and rod. Arrival of Gridwood's materials. Part of casing missing. Progress made in engine house. Stirling & Co.'s not arrived. House for Glasgow Water Works not begun. Have a place for lodging materials. Finlay & Co.'s fly wheel broken. Cylinder lid for Omoa arrived. Haden has finished at Gibbs' and is now at H. Houldsworth's. Charge for his time at Mr. Renny's and at A. Taylor's. Has ordered Gemmel to proceed to Soho. Payment of Sick Club money to Thomson. Wants sundry accounts. Value of Scotch bolts at sundry places. Order to J. Watt & Co. from Finlay & Co."
9. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 20 May 1807. Docketed "H. Houldsworth & Co. order an injection cock in lieu of the sliding one sent. Receipt of accounts. William Murdock Jr. not finished at Finlay & Co.'s."
10. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 7 Jun. 1807. Docketed "Finlay & Co.'s engine set to work and performs well. Favourable report of Mr. William Murdock Jr. Has directed him to go immediately to Stirling & Co.'s. Receipt from Tenant Knox & Co. Says that Patrick Hutton's engine is kept in very bad order. Proposes setting out for Arbroath etc. on Thursday. Dimensions of Monack's piston rod."
11. Letter. E. S. Hutton (Aberdeen) to Boulton Watt & Co. (Soho). 19 Jun. 1807. Docketed "Mr. Louson orders a 6 horse engine. Corrected statement of the present and intended performance of Mr. Patrick Hutton's engine. Receipts from Hadden & Sons, Forbes & Co., S. Renny and Wilkie. Mr. Robert Miller pleads poverty. Forbes Lowe & Co. and Baxter Miller & Co. have given their orders elsewhere. Cargill & Balfour have not yet determined. G. Taylor will require 3 weeks to finish at Cairnie."
12. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 30 Jun. 1807. Docketed "Particulars of estimates wanted by Mr. R. Gillespie. Progress making in H. Houldsworth's engine, who complains of want of neatness in the materials. Progress at Girdwood's and at the Glasgow Water Works. Wants instructions about G. Taylor's destination. W. Clark wants estimate of a 14 horse engine. Receipts from Wilkie and Corporation of Bakers."
13. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 12 Jul. 1807. Docketed "Approves and has forwarded Louson's drawings. Mr. Gillespie's plans not likely to interfere with the views of the Glasgow Water Works Co. Glasgow Water Works' engine house ready for a man, and he has written for George Taylor. Murdock Jr. has nearly finished Stirling's engine."
14. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 18 Jul. 1807. Docketed "Mr. Robertson's character is good, in the opinion of Mr. Houldsworth. Finlay & Co. promise payment in a week."
15. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 22 Jul. 1807. Docketed "Remits £796.2 from Finlay & Co."
16. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 23 Jul. 1807. Docketed "Sundry accounts viz. Finlay & Co. and John Haden. Further particulars of the responsibility of Mr. Robertson. Expects William Murdock Jr. and John Brunton to be at liberty soon."
17. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 25 Jul. 1807. Docketed "Bakers' Co. have broke their connecting rod – a new one ordered. Mr. Gibbs will pay on Monday. William Murdock Jr. to repair the engines belonging to Mr. Clark and the St. Mirren's Co."
18. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 28 Jul. 1807. Docketed "Mr. Robertson's drawings not arrived."

19. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. [Soho]. 30 Jul. 1807.
Docketed "Has received Robertson's drawings."
20. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 5 Aug. 1807. 2 sheets.
Docketed "Remits £60 from Mr. Gibbs. Statement of account with ditto. G. Taylor not yet arrived. Anderston water works go on. Mr. Cathcart Dempster has purchased Mr. Miller's engine and wants a man to erect it. Proposes sending John Brunton. Articles sent for Stirling's cold water pump and duplicates sent to Glasgow Water Works to be used for Mr. Robertson's engine. Gourock Company enquire the state of their boiler. Enquiry about long suction pipes etc. The Anderston Water Works Co. are proceeding with their plan."
21. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 21 Aug. 1807.
Docketed "Taylor at the Glasgow Water Works. Anderston Water Works Company have agreed for part of the power of Houldsworth's engine. Complaints of the fitting of Girdwood & Co.'s engine. Has given his address to Walker Fergus & Co. Employment of William Murdock Jr. Bakers' Co. connecting rod not arrived. Deficiency of cement at Girdwood's supplied from Glasgow Water Works. Renewed application from the High Church at Edinburgh. Size of hatchways of the Greenock traders."
22. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 2 Sep. 1807.
Docketed "Statement of sundry accounts with men's time. Repairs done by G. Taylor at the Leadhills, and favourable report of G. Meason's engine. Walter Fergus & Co. to put up their boiler themselves. Bakers' engine gone to work again and performs well. Further complaints of the fitting of Girdwood & Co.'s engine. Small progress made in their millwork. John Brunton to proceed to Mr. C. Dempster's on Friday. Anderston Water Works will take their power from H. Houldsworth & Co.'s engine. Order for air pump bucket and rod for Underwood & Co."
23. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 12 Sep. 1807.
Docketed "Fruitless excursion to Edinburgh about heating the High Church. , Dr. Hope not being there. Receipts from G. Meason & Co. and Geddes & Co.; also from James Finlay & Co. on account of J. Watt & Co. Favourable report of the Great Cairnie engine. Examination of Wilson & Son's cylinder and statement of its defects. Glasgow Water Works account to be delivered to Mr. Denny."
24. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 14 Sep. 1807.
Docketed "Enclosing a letter from Wilson & Sons."
25. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 28 Sep. 1807.
Docketed "William Brunton to inspect the Wilsontown cylinder on Thursday. Mr. Houstoun orders new spur wheels for altering the speed of his winding machinery. Also sundry other materials for the 6 horse engine. Mr. Robertson to have the usual quantity of cement sent. Disposal of the extra quantity of cement sent to Glasgow Water Works. William Murdock Jr. detained at Stirling's for want of pipes."
26. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 8 Oct. 1807.
Docketed "Glasgow Water Works account delivered. William Brunton upon his return. Haden to finish at Houldsworth & Co.'s in 3 to 4 weeks. William Murdock Jr. has finished at Stirling & Sons. Is to go to Mr. Houstoun and thence to Gourock Co. Haden to erect Mr. Robertson's engine. John Brunton to erect Mr. Louison's. Proposal made by Girdwood & Co. for the liquidation of their account. Enquiry about new light for Finlay & Co."
27. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 18 Oct. 1807.
Docketed "Mr. Houstoun determines upon having only one new spur wheel. Particulars of work to be done by his winding engine. Expects soon to see Mr. Watt and Mr. Telford about the foundations of the Glasgow Water Works engines."

- 28.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 28 Oct. 1807.
Docketed "Remits £3000 from the Glasgow Water Works, who request time for the payment of the remainder."
- 29.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 29 Oct. 1807.
Docketed "The committee of the Glasgow Water Works have determined to remove the engine house. Statement of the progress made in it. Mr. Watt to communicate his sentiments about the tunnel. Encloses statement of William Murdock Jr.'s time and statement of sundry accounts of men's time etc. delivered. Remits bill for £38. H. Houldsworth enquires our charge for a 20 horse boiler and apparatus. Letter from his brother and account of his advancement."
- 30.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 4 Nov. 1807.
Docketed "Favourable report of Girdwood & Co. Remits £914 from Messrs. Stirling & Co. Enquires whether Haden or Mr. Murdock Jr. is to go to Ireland."
- 31.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 8 Nov. 1807.
Docketed "Has settled with Mr. Berry to receive a bill on London at 2 months for the amount of Girdwood & Co.'s engine with 1 month's interest."
- 32.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 11 Nov. 1807. 2 sheets.
Docketed "Upon Messrs. Girdwood & Co.'s remittances. Account of John Haden and G. Taylor's time. Proposes for William Murdock Jr. to go to Dublin rather than Haden. Robertson's engine arrived and Haden to erect it. John Brunton will finish Mr. Dempster's engine house by the 20th inst. and is then to go to Mr. Louson's. Expects another £1000 from the Glasgow Water Works. Mr. Telford expected from Saltcoats on Friday. Enquires about the power of mills for rasping dyewoods. Mr. Houstoun's goods wanted. Further account of his brother."
- 33.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 15 Nov. 1807.
Docketed "Corrected data respecting the height of the suction pipe etc. of the Glasgow Water Works. Scheme for working the pumps suggested by Mr. Watt. Proposed method of securing the foundations of the new engine house."
- 34.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 19 Nov. 1807.
Docketed "Will remit for the Glasgow Water Works next Tuesday. Monack's account is settled. Gibbs' enquiry was for a boiler for a common engine. Wants estimate of a 20 horse boiler for H. Houldsworth."
- 35.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 24 Nov. 1807.
Docketed "Glasgow Water Works remit balance."
- 36.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 10 Dec. 1807.
Docketed "Confirms his former data respecting the pumps for the Glasgow Water Works and progress making there. Receipt from W. Clark and Corporation of Bakers. Expects Murdock Jr. will have finished in a few days and will be ready to proceed according to our orders. Mr. James Louson promises a remittance. Messrs. Finlay & Co. wait Mr. Buchanan's opinion upon Mr. Lee's photogenous apparatus. Mr. A. Lawson enquires about ink powders sent some time ago."
- 37.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 13 Dec. 1807.
Docketed "Explanation of the enquiry of the Paisley Bakers. Work done by the Bakers' engine at Glasgow."
- 38.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 20 Dec. 1807.
Docketed "Haden will not have finished at H. Houldsworth & Co.'s for a fortnight. Will then send him to Soho. William Murdock Jr. to be retained for Robertson's engines as soon as he returns from Gourock."

39. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 30 Dec. 1807.
Docketed "Has communicated the estimates sent to Mr. Gardiner of Paisley. Explanation of the time occupied by William Murdock Jr. and John Haden at sundry engines. Haden to set out on his return on Tuesday. Has presented him with 10 guineas. Progress made in the tunnel at the Glasgow Water Works and with the house etc. Performance of the Bakers' Co.'s engine. H. Houldsworth & Co.'s engine very nearly completed. William Murdock Jr. employed at Mr. Robertson's."

3/266 Eidington Smeaton Hutton, 1808 (22 items)

1. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 21 Jan. 1808.
Docketed "Mr. Shanks of Berbice wants estimate of a 14 horse engine. Paisley Bakers are determined to proceed with their mill. H. Houldsworth & Co.'s engine gives great satisfaction. Statement of Gourcok Ropework Co.'s account. Progress made in Mr. Robertson's engine house and in that for the Glasgow Water Works etc. John Brunton goes to St. Andrews to start Mr. Dempster's engine. Mr. S. Renny reports favourably of his engine."

2. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 6 Feb. 1808. 2 sheets.
Docketed "Enclosing his account. Has communicated our estimate to Mr. Shanks, who is engaged in procuring men to go out with his engine and mill. Proposes an excursion to the East Coast and wishes to have an indicator sent him. Description of Mr. Girdwood's mill. Expense of putting boilers together complained of. Account of the foundations of the engine house at the Glasgow Water Works."

3. Letter. E. S. Hutton (Glasgow) to James Watt Jr. (Soho). 7 Feb. 1808.
Docketed "Explanatory of the causes which have induced him to overdraw his account £60, and requesting to be allowed to have that sum to remain at his debit with interest."

4. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 1 Mar. 1808.
Docketed "Receipt of £17.2 for bill remitted by Pollock & Co. Gourcok Ropework Co. promise remittance. Paisley Bakers yet undetermined. Mr. Shanks cannot procure a man to go out with his engine. William Murdock Jr. has nearly completed Robertson's engine and will be at liberty to go elsewhere. Progress made in the Glasgow Water Works. Description of pumping apparatus attached to H. Houldsworth's engine."

5. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 21 Mar. 1808.
Docketed "Favourable report of Sir John Hope's engine. Payment of the account deferred until his return from Arbroath."

6. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 31 Mar. 1808.
Docketed "Remittance on account of Sir John Hope. Satisfactory performance of his last engine and probability of another large one being ordered."

7. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 1 Apr. 1808.
Docketed "Louson's engine at work. Renny's ditto, in good condition. Murray of Leeds – his exorbitant charges. Patrick Hutton's engine working well. Dempster has put up a 6 horse engine bought of Millar of Perth. Fergus & Co. will want a new engine. Has settled Dunlop's and Lord Provost's accounts."

8. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 4 Apr. 1808.
Docketed "Paisley Corporation of Bakers will want a 32 horse engine instead of 20."

9. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 22 Apr. 1808.
Docketed "Expects a settlement with Mr. Robertson who wants to claim some allowances. Wants instructions for John Brunton and William Murdock Jr. Progress made at Glasgow Water Works. Wishes to pay a visit to his mother at Flimby."

- 10.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 5 May 1808.
Docketed "Mr. Robertson has given him an order upon Liverpool for a bill. Statement of his account. Remarks upon some deficiencies in the materials. Orders from J. Gibb for slide valve case etc."
- 11.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 14 May 1808.
Docketed "Causes which have delayed the bill from Robertson & Co. John Brunton not yet arrived. Receipt of £9.15 from John & James Wilson. Debt from Mr. Millar of Perth not likely to be paid. Remarks on the correspondence with Sir John Hope."
- 12.** Letter. E. S. Hutton (Arbroath) to Boulton Watt & Co. (Soho). 31 May 1808.
Docketed "Mr. D. Dickson declines erecting his engine for the present. John Brunton set off for Glasgow. Favourable report of Louson's engine."
- 13.** Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 4 Jun. 1808.
Docketed "Mr. Grieve determines on a cast iron cistern and wishes the bolts to be sent."
- 14.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 11 Jun. 1808.
Docketed "Alterations desired by Mr. Grieve in the materials preparing for Sir John Hope's engine. Estimate of an 8 horse engine for Mr. Scott wanted. Statement of Mr. Dempster's account. Slide valves for Mr. Gibb to be of the new construction. Wishes to have the statement of the Underwood Spinning Co."
- 15.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 27 Jun. 1808.
Docketed "Wants sketches of 8 and 10 horse engines. Mr. Gibb wishes to have his sliding valve of the new construction. Has purchased a horse from H. Houldsworth etc. etc."
- 16.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 8 Jul. 1808.
Docketed "Extract of a letter from John Philp & Co. respecting the power required for grinding barley for distillers. No wheat ground for distillers in Scotland. Douglas Cook & Co. order new rotative wheels etc. etc."
- 17.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 22 Jul. 1808.
Docketed "Receipt of £97 from the Glasgow Water Works. Remits £50. Present of 10 guineas to William Murdock Jr. Stein & Dewar's engine house ready. Remarks on grinding barley. Progress made in the Water Works etc. etc."
- 18.** Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 4 Sep. 1808.
Docketed "Visit to Alloa and account of Stein & Dewar's progress. Receipt from Mr. Stein and account of his engine and of Mr. Philp. Appointment to call on Mr. E. Mitchell's friend. Paisley Bakers will want an engine erector in about a month."
- 19.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 10 Sep. 1808.
Docketed "His journey to Edinburgh and calls upon different parties there, not successful. William Murdock Jr. employed by Mr. Vallance to make plans for a saw mill. General defect of barometers of the new construction. Knows nothing of the alledged mistake in Mr. Louson's crank. Receipt of £19 from the Underwood Company."
- 20.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 14 Sep. 1808.
On the same sheet:
Rough sketch plan of Vallance's engine house.
Docketed "Thinks it probable that the Bakers' plan at Hamilton and Paisley will not be carried into effect. Particulars respecting Mr. Vallance's engine. The proprietors of the Calder engine have it in contemplation to erect a larger engine. Particulars of Brunton's time at Mr. Louson's."
- 21.** Letter. E. S. Hutton (Glasgow) to James Watt Jr. (—). 5 Nov. 1808.
Docketed "Concerning his intended marriage."

22. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 3 Dec. 1808.
Docketed "Wants our accounts against Paisley Bakers and Stein & Dewar. Vallance & Co. will soon be ready for their engine. Underwood Co.'s engine purchased by a new Co. Stein & Dewar much satisfied with their engine. Proposes writing soon about his own affairs."

3/267 Eidington Smeaton Hutton, 1809 (29 items)

1. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 3 Jan. 1809.

On the same sheet:

Sketches. Plans of locations of R. Gillespie & Co.'s lighting apparatus.

Docketed "Estimate of a lighting apparatus wanted for Messrs. Gillespie. Sketch of Gillespie's premises and particulars of light required. Statement of account forwarded to Stein & Dewar."

2. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 9 Jan. 1809.

Docketed "Enclosing his annual account of expenses. Promise of payment from the Paisley Bakers. Little progress made in the erection of their engine. Vallance & Co. ready for their engine. Settlement of M. Robertson's account. Proposed alteration in Mr. Houstoun's account."

3. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 7 Feb. 1809.

Docketed "Remits £1030 from the Paisley Bakers. Robertson Buchanan enquires about letter from James Watt Jr."

4. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 8 Feb. 1809.

Docketed "Statement of account with the Paisley Corporation of Bakers. Remarks a difference between our charge and the estimate. R. Gillespie enquires the time of furnishing, and weight of a lighting apparatus. The Underwood New Company want estimate of a 20 horse boiler and apparatus. Explanation of the Glasgow Bakers' refusal to settle with Whitehouse & Co. The sun wheel sent to them in 1806 has a round instead of a square eye."

5. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 13 Feb. 1809.

Docketed "Appointments to meet Mr. Stein and Mr. Haig."

6. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 23 Feb. 1809.

Docketed "Remits £840.7.6 from Stein & Dewar. Has settled the particulars of Messrs. Stein Brown & Co.'s and Mr. Haig's engines."

7. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 24 Feb. 1809.

Docketed "Particulars of Stein & Dewar's account. Sketch of engine house for Stein Brown & Co. [within the text]. Mr. William Haig's to be the same. Account of Stein Brown & Co. to be sent to Mr. Stein, who guarantees the payment of this, and also of their small engine. Is going to Flimby for 10 days."

8. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 25 Feb. 1809.

Docketed "Has stated to Mr. Stein and Mr. Haig that some extra charge may be made for sundry variations. Particulars of Mr. Wilkie's order who wants schedule and estimate. Orders Mr. Gillespie's gas apparatus. Wants a general sketch of a retort and the other parts. David Stead & Co. responsible. R. Buchanan."

9a. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 1 Apr. 1809.

Enclosing (b) and kept with (c) below.

Docketed "Sketch and other particulars of Mr. Gillespie's light apparatus. Sir John Hope's engines working pretty well. Has received £20 from Mr. Grieve. Sir John about remitting. Mr. Geddes dead. Stead & Son are responsible. Mr. Miller of Craigend will want an engine for a distillery. Vallance's materials are arrived. Underwood Spinning Co. want estimate of a 24 horse boiler. Cranston Water Works Co. look to the wanting engines."

b. Sketches. Plans & sections of apparatus for Gillespie Co. 1 Apr. 1809.

c. Memorandum. Notes on an engine for Underwood & Co.
Marked "See letter to Mr. Hutton, 11 Apr. 1809."

10. Letter. E. S. Hutton (Glasgow) to John Southern (Soho). 12 Apr. 1809.
Docketed "Adopts alterations in the situation of gazometer etc. at R. Gillespie & Co.'s."

11. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 15 Apr. 1809.
Docketed "Orders a 14 horse engine for Mr. Miller of Craigend without boiler and apparatus. Enquires about time of executing it."

12. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 28 Apr. 1809.
Docketed "Underwood Co. will not want a boiler at present. Order for them 3 boxes of cement. Mr. Miller will have a sliding valve engine."

13a. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 5 May 1809.
Enclosing (b) below. Docketed "Glasgow Water Works want an estimate. Has received Gillespie's drawings. Is going to Dundee. Girdwood & Co. are going to take a patent for working saws."

b. Sketch plan. Proposed reservoir etc. of Glasgow Water Works. 5 May 1809.

14. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 18 May 1809.
Docketed "Called at Neilson's on his way to Dundee – reverses the situation of the drains. Wilkie not so forward as he expected. Is a wealthy man but shuffles about payments. Sharpe will be ready by the time the materials arrive – who is to put up the engine? Is doubtful William Murdock Jr. will have done at Vallance's in time. Patrick Hutton's engine wants repairing. Stead & Son made alterations. Instructions for their steam pipes and shafts. If any improvements are made, to be added to his engine. Miller undecided whether he will have a 20 horse or a 14 horse."

15. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 23 May 1809.
Docketed "Mr. Miller undetermined. Murdock Jr. greatly forward with Vallance's engine. Desires a person may be sent to Dundee. Apprehends some difficulty in settling with Paisley Bakers. Recommends lander for cold water pump to be sent in all cases. Mr. Dalrymple cannot be brought to pay his balance."

16. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 31 May 1809.
Letter continued on 1 Jun. Docketed "Estimates of 20 and 14 horse engines wanted for Messrs. Dalglish Falconer & Co. Cook has made an engine for Mr. Buchanan. Glasgow Water Works Co. have purchased an old engine. Craunston Hill Co. have come to no determination. Mr. Houldsworth wants some of the essential parts of an engine. The rest he will procure there. He also wants to know the composition of our brass metal."

17. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 6 Aug. 1809.
Docketed "Orders brasses for Patrick Hutton, air pump false face for Wilkie, cement for St. Mirrens & Gibb. Neilson & Co. want lighting apparatus. Gillespie's ditto is putting up. Vallance's engine finished. Haig's not yet arrived. Monteith & Bogle likely to have a 45 or 50 horse engine."

18. Letter. E. S. Hutton (Edinburgh) to Boulton Watt & Co. (Soho). 9 Aug. 1809.
Letter continued in Glasgow on 10 Aug. Docketed "Progress making in the erection and repairs of Mr. Sharpe's, Mr. Wilkie's and Patrick Hutton's engines. Some accident has happened to one of Mr. Stirling's engines."

- 19.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 19 Aug. 1809. 3 sheets.
Letter continued on 21 Aug. The following sketches are on the same sheets:
 Brasses and plan of 2nd boiler for Stirling & Son.
 Section and plan of well and cold water pump for Vallance & Co.
 Location of second engine for Monteith Bogle & Co.
Docketed "Further remarks on D. Dickinson's situation. Orders brasses for Stirling & Son's 20 horse engine. Sketch of situation for a 2nd boiler. Vallance & Co.'s well and proposed alteration of cold water pump. Monteith Bogle & Co. order a 53 horse engine with two 32 horse boilers to be delivered here in February. Will have a lighting apparatus. Query about gazometers. H. Houldsworth & Co.'s breakage of their cylinder lid and order for new one and brass bush. Gillespie & Co.'s lighting apparatus nearly ready etc."
- 20.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 6 Sep. 1809.
The address and docket are on a separate wrapper. On the same sheet:
 Sketches. Elevation and plan of Gillespie & Co.'s dye house showing gas lights.
Docketed "Orders 14 feet of gas pipe for Gillespie – who determines on the extension of his gas lights."
- 21.** Letter. E.S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 16 Oct. 1809.
On the same sheet:
 Sketch plan of G. D. Mitchell's proposed engine and boiler houses.
Docketed "Sketch of Mr. G. D. Mitchell's proposed engine house."
- 22.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 27 Oct. 1809.
Docketed "Thinks it may not be necessary for us to send any person to Messrs. Gillespie & Co. Has forwarded our drawings to Monteith Bogle & Co., Cargill Balfour & Co. and to Mr. Mitchell. Alteration in the speed of the fly shaft of Monteith Bogle & Co.'s engine. Gillespie & Co. have lined the inside of their gazometer pit with lead."
- 23.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 11 Nov. 1809. 2 sheets.
On the same sheets:
 Sketches. Gillespie & Co.'s gazometer; Monteith Bogle & Co.'s engine house.
Docketed "Experiments made with Gillespie & Co.'s lighting apparatus. New plan of Monteith Bogle & Co.'s engine house. Account of Mr. Mitchell's responsibility. Cargill Balfour & Co. alter the position of their engine. Mr. Wilkie proposes remitting on 1 Dec. Mr. Sharp has not been heard from. Sir John Hope likely to remit soon. Mr. Mitchell will have circular nozzles. Sword Haywood & Co. order a box of cement."
- 24.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 12 Dec. 1809.
Docketed "Remits £500 from Wilkie who promises to settle the balance with him soon. Statement of William Murdock Jr.'s time. Has forwarded our letter to Cargill Balfour & Co."
- 25.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 15 Dec. 1809.
On the same sheet:
 Transcript of letter. Cargill Balfour & Co. (Arbroath) to Boulton Watt & Co. 13 Dec. 1809.
Docketed "Mr. Pattison has broken his connecting rod and orders a new one of iron. Has sent for Varley to repair the engine. Cargill Balfour & Co. determine upon a ten horse engine and wish to have the drawings. Has not heard from Mr. Sharpe upon the subject of his account. Expects a settlement with Vallance & Co. and the Paisley Bakers. Gillespie & Co. have finished their gazometer pit."
- 26.** Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 19 Dec. 1809.
Docketed "Remits bill for £102.14 from Wilkie and states his account. Distribution of the engine erectors in Scotland and time required for the completion of their respective jobs. William Murdock Jr. at Stead & Sons. Varley at Mr. Pattison's. Has written to Mr. Dickson to know if he can wait. Orders a copying machine for J. L. Reiss Esq. Enquires distance between the shafts of Monteith's engine."

27. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 21 Dec. 1809.
Docketed "Remits £727.3 from Vallance & Co. and states their account. Performance of Gillespie & Co.'s gas apparatus. Varley has completed the repairs of Mr. Pattison's engine and is returned to Mr. Haig's. Performace of Vallance & Co. and the Bakers' engine at Paisley. Causes which have delayed the settlement of accounts with the latter."

28. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 29 Dec. 1809.
Docketed "Gillespie & Co.'s lighting apparatus now gives satisfaction. The process of distillation is yet too slow. Has directed William Murdock Jr. to go to Mr. Dickson's."

29. Letter. E. S. Hutton (Glasgow) to Boulton Watt & Co. (Soho). 31 Dec. 1809.
Docketed "Further observations upon the performance of Messrs. R. Gillespie & Co.'s lighting apparatus and remarks on their complaints."

3/268 James Law, 1781-1792 (15 items)

Law was an engine erector who worked on various engines around the country.

1. Letter. James Law (Oakhampton) to William Playfair (Soho). 10 Jun. 1781.
Docketed "With account of his being impressed."

2. Letter. James Law [London] to James Watt (Soho). 1 Aug. 1785.

3. Letter. James Law (Chester) to James Watt (Soho). 16 Nov. 1785.

4. Letter. James Law (Chester) to James Watt (Soho). 8 Jan. 1786.

5. Letter. James Law (London) to James Watt (Soho). 20 Apr. 1786.
Docketed as being from New River.

6. Letter. James Law (London) to James Watt (Soho). 5 May 1786.
Docketed "N. River."

7. Letter. James Law (Nottingham) to James Watt (Soho). 29 Jul. 1788.

8. Letter. James Law (Gainsborough) to James Watt (Soho). 11 Jan. 1789.
Forwarded to Harper's Hill by John Roberts on 16 Jan. 1789.

9. Letter. James Law (Hull) to James Watt (Soho). 28 Jan. 1789.
Docketed "About Messrs. T. & Baxter's engine."

10. Letter. James Law (Hull) to James Watt (Soho). 3 Mar. 1789.
Docketed "Thompson & Baxter's engine."

11. Letter. James Law (Nottingham) to John Roberts (Soho). 1 Sep. 1789.
Docketed "Sir Richard Arkwright's engine."

12. Letter. James Law (Spalding) to John Roberts (Soho). 6 Feb. 1791.
Docketed "Mr. Morehouse's engine."

13. Letter. James Law (Nottingham) to William Forman (Soho). 13 Oct. 1791.
Docketed "About Parker."

14. Letter. James Law [Nottingham] to William Forman [Soho]. 10 Jun. 1792.
Docketed "Harris' engine."

15. Partial transcript of letter. James Law [Nottingham] to William Forman [Soho]. 10 Jun. 1792. *Docketed "Concerning Harris' engine."*

Lawson was one of Boulton & Watt's longest-serving and most experienced engine erectors and engineers. For this period he was based almost entirely in Cornwall, with a visit to Scotland in 1786. The letters make it clear that Lawson wrote several other letters that are not in this bundle.

1. Letter. James Lawson (Wheal Virgin) to Matthew Boulton (Soho). 11 Jul. 1781.
2. Letter. James Lawson (White Hart Inn, Bath) to Matthew Boulton (Cusgarne). 13 Oct. 1782.
3. Letter. James Lawson (Cusgarne) to Boulton & Watt (Soho). 28 Apr. 1783.
Docketed "Experiments on Lower Poldice."
4. Letter. James Lawson (Wheal Virgin) to James Watt (Harper's Hill). 5 Mar. 1783.
5. Letter. James Lawson (Pool Engine) to Boulton & Watt (Soho). 5 May 1783.
6. Letter. James Lawson (Cusgarne) to Boulton & Watt (Soho). 16 May 1783.
7. Letter. James Lawson (Cusgarne) to Matthew Boulton (Soho). 21 May 1783.
8. Letter. James Lawson (Cusgarne) to Boulton & Watt (Soho). 26 May 1783.
9. Letter. James Lawson (Cusgarne) to Matthew Boulton (6 Green Lettice Lane). 31 May 1783.
10. Letter. James Lawson (Cusgarne) to James Watt [Harper's Hill?]. 5 Jun. 1783.
Docketed "Dolcoath equalizing gin."
11. Letter. James Lawson (Camborne) to Matthew Boulton (6 Green Lettice Lane). 14 Jun. 1783.
12. Letter. James Lawson (Cusgarne) to Boulton & Watt (Soho). 10 Jul. 1783.
13. Letter. James Lawson (Cusgarne) to James Watt (Harper's Hill). 17 Jul. 1783.
Docketed "Order Poldory new engine."
14. Letter. James Lawson (Cusgarne) to James Watt (Harper's Hill). 7 Aug. 1783.
Docketed "Order for Poldory pumps."
15. Letter. James Lawson (Cusgarne) to James Watt (Harper's Hill). 9 Aug. 1783.
16. Letter. James Lawson (Cusgarne) to James Watt (Harper's Hill). 11 Aug. 1783.
17. Letter. James Lawson (Cusgarne) to James Watt (Harper's Hill). 17 Nov. 1783.
Docketed "About Polgooth and Poldice engines."
18. Letter. James Lawson [Cusgarne] to James Watt [?] [Harper's Hill?]. — Nov. 1783.
The top of the letter containing the date and the half of the sheet containing the address have been torn away. The letter is docketed "Mr. Lawson Nov. 1783."
19. Letter. James Lawson (Dumfries) to James Watt (Harper's Hill). 24 Apr. 1786.
Docketed "About Wanlockhead Mine."
20. Letter. James Lawson (Stobcross, nr. Glasgow) to James Watt (Harper's Hill). 1 May 1786.
21. Letter. James Lawson (Chacewater) to James Watt (Harper's Hill). 26 May 1786.

22. Letter. James Lawson (Chacewater) to James Watt (Harper's Hill). 28 May 1786.
Docketed "About Buckling."

23. Letter. James Lawson (Chacewater) to James Watt (Harper's Hill). 3 Jun. 1786.

24. Letter. James Lawson (Chacewater) to James Watt (Harper's Hill). 17 Jun. 1786.
2 sheets.

25. Letter. James Lawson (Chacewater) to James Watt [?] [Harper's Hill]. 2 Jun. 1787.