MS 3147/3/496

SPECIAL SUBJECTS & CORRESPONDENTS ROBERT FULTON, C. A. DALE

1794; 1803—1805; 1810; 1812; 1817

INTRODUCTION

Letters from the American steam boat pioneer Robert Fulton, from 1794, 1803 to 1805, 1810 and 1812; also two letters from Charles Augustus Dale from 1817. Fulton ordered two engines from Boulton Watt & Co. The first was ordered in 1804 and powered a boat which carried passengers between New York and Albany on the Hudson River; the second one was ordered in 1810, but Fulton died before it was delivered to him. His will appointed his wife as his executrix. She re-married and in 1817 her new husband Charles Augustus Dale came to England and enquired about the engine and any outstanding accounts.

The first letter from 1794, enquiring about a 3 or 4 horse engine for a boat, appears to have been removed from John Southern's series of incoming letters from 1788 to 1798. It is not clear when it was added to the bundle.

For drawings of Fulton's engines and boats and copies of his patents see Portfolios 5/1244a—c.

- 1. Bundle wrapper.

 Marked "Robert Fulton. C. A. Dale."
- **2.** Letter. Robert Fulton (Bridgewater Arms, Manchester) to Boulton & Watt [Soho]. 4 Nov. 1794.
- **3.** Letter. Robert Fulton (50 Rue Vaugirard, Paris) to Boulton & Watt (Birmingham). 6 Aug. 1803.
- 4. Letter. Robert Fulton (Paris) to Boulton & Watt (13 London St.). 1 Sep. 1803. Forwarded to Soho.

 Docketed "Had calculated upon additional time and expense for the construction of his engine. Wishes to know if there are any objections to his mode of placing the condenser. Desires the goods may be forwarded to New York. Requesting an answer and duplicate may be sent to Paris. Mr. Wilson to be answerable for the payment."
- Letter. Robert Fulton (50 Rue Vaugirard, Paris) to Boulton & Watt (13 London St.). 1 Sep. 1803.
 Copy of the above letter sent by Fulton on 8 Sep. Forwarded to Soho.
 Docketed "Copy of his former letter of the 1 Sep."
- 6. Letter. Robert Fulton (50 Rue Vaugirard, Paris) to Boulton Watt & Co. (13 London St.). 11 Sep. 1803.

 Forwarded to Soho.

 Docketed "Duplicate of his letter of 1 Sep. Answered by our duplicate of 24 Oct."
- 7. Letter. Robert Fulton (London) to Boulton Watt & Co. [London]. 13 Jul. 1804.

 Docketed "Encloses guarantee from Mr. Erving and from Messrs. Lees Satterthwaite & Co. Sends a sketch of alteration in some of the parts. Enquires about the effects of salt water. Wishes to have our ideas upon the boiler."

- 8. Letter. Robert Fulton (London) to Boulton Watt & Co. [Birmingham]. 20 Jul. 1804. Docketed "Steam pipe to be put on one side of the nozzle. Orders the air pump to be of brass. Conjectures that the deposition of salt will take place in the boiler, if salt water is used."
- 9. Letter. Robert Fulton (London) to Boulton Watt & Co. (Birmingham). 28 Jul. 1804.
 On the same sheet:
 Pen & wash drawings. Plan and section of Fulton's engine.
 Docketed "Approves of the plan sent with some alterations which are pointed out. Leaves Town for 6 weeks and wishes us to proceed with the execution of the materials."
- Letter. Robert Fulton (9 Bedford St., Bedford Square, London) to Boulton Watt & Co. (Birmingham). 19 Dec. 1804.
 Docketed "Requests information as to the state of his engine. Intention of coming down to see it in action. Asks if the copper boiler can be better made in London or at Soho."
- 11. Letter. Robert Fulton (9 Bedford St., Bedford Square, London) to Boulton Watt & Co. (Birmingham). 26 Dec. 1804.

 Docketed "Relinquishes the intention of inspecting the engine. Desires it to be forwarded to London and to have a drawing of it on a large scale. Also list of particulars."
- Letter. Robert Francis (9 Bedford St., Bedford Square, London) to John Woodward (13 London St.). 17 Feb. 1805.
 Docketed as Robert Fulton. Kept with (b) below.
 Docketed "Enquires about the forwarding of his engine."
 - **b.** Letter. Robert Samuel Skey [Soho Foundry] to James Lodge (Soho). 21 Feb. 1805. *R. Francis' goods have been forwarded.*
- 13. Letter. Robert Francis (London) to Boulton Watt & Co. (Birmingham). 23 Feb. 1805. Docketed as Robert Fulton. Docketed "Wishes Mr. Erving's guarantee to be returned."
- Transcripts. Transcripts of 3 letters on the same sheet, as follows:
 George W. Erving (London) to Boulton & Watt. 10 Jul. 1804.
 Lees Satterthwaite & Brassey [London] to Boulton & Watt. Not dated.
 Extract from Robert Fulton [London] to Boulton & Watt. 13 Jul. 1804.

 Titled "Copy of guarantee, the original of which was returned to Mr. Fulton 26 Feb. 1805."
- 15. Letter. Robert Fulton (New York) to Boulton & Watt (Birmingham). 15 Sep. 1810. Docketed "The engine made for him in 1804 applied to work a passage boat, and account of its performance. Orders another with a 26 inch cylinder, 4 foot stroke. Encloses bills on account."
- 16. Letter. Robert Fulton (New York) to Boulton & Watt (Birmingham). 4 Dec. 1810.

 Marked "Duplicate of a letter written Sept. 15th." Makes some alterations to that letter.

 Docketed "Remits seconds of bills. Alters the size of the cylinder to 28 inches diameter.

 Desires that the air pump and all its appurtenances may be of brass and copper. A second engine to be made, if progress has been made with the one before ordered."
- 17. Letter. Robert Fulton (New York) to Boulton & Watt (Birmingham). 10 Dec. 1810. *The address and docket are on a separate wrapper. On the same sheet:*Sketch. Plan of cylinder and air pump showing distance between them. *Docketed "Triplicate of his letter 15 Sep. 1810. With thirds of exchange for £575."*

- 18. Letter. Robert Fulton (New York) to Boulton & Watt (Birmingham). 4 Jan. 1812.

 Docketed "Has omitted writing in consequence of the non-intercourse. Valves of nozzles to be finished in the same way as the last. His patent for steam boats invaded. Wishes Mr. Watt to send a certificate of what is known to him relative to the invention of steam boats etc. etc."
- 19. Letter. Charles Augustus Dale (at Milne & Parry's, Temple, London) to Boulton Watt & Co. [London]. 10 Jul. 1817.

 Docketed "Mr. Fulton's executrix [Mrs. Dale, his wife] enquires about the engine ordered by him."
- **20.** Letter. Charles Augustus Dale [London] to James Watt Jr. [London]. 22 Jul. 1817. *Docketed "Will call for Mr. Fulton's executors' account at Soho."*

MS 3147/3/497 SPECIAL SUBJECTS & CORRESPONDENTS GARDNER MANSER & Co. 1789—1796

INTRODUCTION

Correspondence and papers relating to Gardner Manser & Co. and their account for their engine, from 1789 to 1796. Gardner Manser & Co. took over the King & Queen Iron Works at Rotherhithe (also called Redriff), formerly run by Folliott Scott & Co. The principal partners were Robert Gardner and William Manser, and a third partner, Robert Howard also occasionally corresponded for the firm. They continued to run Scott's old engine until they purchased a new one in 1790. The old engine was taken down in Apr. 1790. The firm fell into a dispute about payment for the engines, which was settled by Matthew Robinson Boulton in London in Apr. 1796.

The bundle was divided into two halves. The first consists of correspondence from 1789 to 1795, which was removed from the General Incoming Correspondence series of 1785 to 1795 and 1788 to 1798. The second consists of documents passed to Matthew Robinson Boulton in London for the settling of the account.

For drawings of the engines in question, see Portfolios 5/13, 5/55.

Nos. 1-22. Correspondence, 1789—1795.

- 1. Bundle wrapper.

 Marked "Gardner Manser & Co. 1789—1796." This wrapper originally contained both halves of the bundle.
- **2.** Letter. Robert Howard (London) to Boulton & Watt (Soho). 14 Dec. 1789.
- 3. Letter. William Manser "for Robert Gardner, Self & Co." (Iron Works, Rotherhithe) to Boulton & Watt (Birmingham). 9 Jan. 1790.

 Docketed "Ordering 31 inch engine."
- 4. Letter. Robert Gardner "for Self & Co." (London) to Boulton & Watt (Birmingham). 10 Feb. 1790.

 Docketed "Names of partners and parish."

- 5. Letter. Robert Gardner "for Self, William Manser & Co." (London) to Boulton & Watt [Birmingham]. 20 Feb. 1790.

 Docketed "About agreement."
- Letter. William Manser (Iron Works, Redriff) to Boulton & Watt [Birmingham]. 18 Mar. 1790.
 Docketed "Ordering their engine materials to be stopped."
- 7. Letter. Robert Gardner "for Self & Co." (London) to Boulton & Watt (Birmingham). 2 Apr. 1790.
- **8.** Letter. Robert Gardner (London) to James Watt [Birmingham]. 4 May 1790.
- **9.** Letter. Robert Gardner (London) to James Watt (Birmingham). 12 May 1790. *Docketed "Boiler and furnaces."*
- **10.** Letter. Robert Gardner (Tower St., London) to James Watt [London]. 19 Jun. 1790. *Docketed "Offering engine beam."*
- Letter. Gardner Manser & Co. (Iron Works, Rotherhithe) to Boulton & Watt [Birmingham].
 Jul. 1790.
 Docketed "Sundries."
- **12.** Letter. William Manser "for Co. & Self" (Iron Works, Rotherhithe) to Boulton & Watt (Birmingham). 3 Feb. 1791.
- 13. Letter. William Manser (London) to Boulton & Watt [Birmingham]. 10 Mar. 1792.
- Letter. Robert Gardner "for Co. & Self" (London) to John Southern [?] [Birmingham]. 24 May 1792.Addressed to "Dear Sir" and docketed by Southern.
- Wrapper of letter. Gardner Manser & Co. [London] to Boulton & Watt (Birmingham). 28 May 1792.

 The actual letter is wanting.
- **16.** Letter. Robert Gardner "for Company & Self" (London) to Boulton & Watt [Birmingham]. 21 Jun. 1792.
- **17.** Letter. Robert Gardner (London) to Boulton & Watt [Birmingham]. 5 Oct. 1792. *Marked "Mr. B. in London."*
- **18.** Letter. Robert Gardner (London) to Boulton & Watt (Birmingham). 28 Feb. 1793. *Marked "Favoured by Mr. John Radford."*
- Letter. Boulton & Watt (Soho) to Gardner Manser & Co. (Rotherhithe). 31 Mar. 1795. On the same sheet:
 Account. Gardner Manser & Co. debtors to Boulton & Watt. 1795.
 Docketed "Left with Mr. Boulton by them at the settlement of accounts 21 Apr. 1796."
- 20. Letter. "For Co. & Self" (Rotherhithe) to Boulton & Watt [Soho]. May 1795. Sent to A. J. & G. Weston. On the same sheet:
 Account. Balance due to Boulton & Watt from Gardner Manser & Co.
 Docketed "Statement of the account."

- **21.** Letter. Robert Gardner (London) to Boulton & Watt (Birmingham). 7 Aug. 1795.
- 22. Memorandum. Working of the old engine, Sep. 1789—Apr. 1790, new engine Apr. 1791—Aug. 1793.

 Docketed "Papers left by Gardner Manser & Co., 21 Apr. 1796."

Nos. 23-34. Papers concerning the Account, 1796.

23. Bundle wrapper.

Marked "Gardner Manser & Co. Letters, papers etc. The account settled by Mr. Boulton 21 Apr. 1796."

Enclosed in this wrapper were 14 documents and a letter from Watt Jr. to M. R. Boulton in London, sending them. These 14 documents were what he considered the "essential papers" for M. R. Boulton to close the account with Gardner Manser & Co. These 14 documents were numbered.

- 24. Letter. James Watt Jr. (Soho) to M. R. Boulton (London). 18 Apr. 1796.
- 25. Memorandum. Times of Working of the Steam Engines at Rotherhithe.

 Time of working of the old engine of Folliott Scott & Co. and of Gardner Manser's engine.

 [No. 1]
- **26.** Letter. William Manser "for Co. & Self" (Rotherhithe) to Boulton & Watt (Birmingham). 21 Mar. 1795. [No. 3]
- Transcripts. 3 transcripts letters on the same sheet, as follows:
 Account. Gardner Manser & Co. debtors to Boulton & Watt.
 Letter. Boulton & Watt (Soho) to Gardner Manser & Co. 16 Mar. 1795.

 [The account & letter form No. 2]
 Letter. Boulton & Watt (Soho) to Gardner Manser & Co. 16 Mar. 1795. [No. 4]
- 28. Transcripts. 4 transcripts on the same sheet, as follows: Account. Gardner Manser & Co. debtors to Boulton & Watt. Mar. 1795. Letter. Boulton & Watt (Soho) to Gardner Manser & Co. 31 Mar. 1795. [The account & letter form No. 5] Letter. Boulton & Watt (Soho) to Gardner Manser & Co. 14 Apr. 1795. [No. 6] Letter. Boulton & Watt (Soho) to Robert Gardner (London). 27 Apr. 1795. [No. 9]
- 29. Transcript of letter. Boulton & Watt (Soho) to Robert Gardner [London]. 12 Apr. 1795. [No. 7]
 This transcript has been written on the same sheet as the following:
 Letter. Erasmus Darwin (Derby) to James Watt [?] [Soho]. 13 Mar. 1795. Recommending a Dr. Scott of Edinburgh.
- 30. Letter. Robert Gardner (London) to Boulton & Watt (Birmingham). 24 Apr. 1795. [No. 8]
- Transcripts. 3 transcripts on the same sheet, as follows: [No. 10]
 Account. Balance due to Boulton & Watt from Gardner Manser & Co.
 Letter. William Manser "for Co. & Self" to Boulton & Watt. 5 May 1795.
 Letter. Robert Gardner to Boulton & Watt. May 1795.
 [All three form No. 10.]
- **32.** Letter. James Watt Jr. (Soho) to James Watt (6 Green Lettice Lane). 17 May 1795. [No. 11]

- **33.** Transcript of letter. Boulton & Watt (London) to Gardner Manser & Co. [London]. 16 Jun. 1790.
 - Docketed "Copy letter of concession to Messrs. Gardner & Co." [No. 12]
- **34.** Letter. Ambrose Weston (Fenchurch St., London) to Boulton & Watt [Soho]. 5 Jun. 1795. *Docketed "Gardner & Manser's payment of £368.18.8." [No. 13]*

[Document No. 14 sent by Watt Jr., James Pearson's statement of the account up to 6 Feb. 1796, is now missing.]

MS 3147/3/498 SPECIAL SUBJECTS & CORRESPONDENTS GILBERT GILPIN 1786—1794

INTRODUCTION

Letters from Gilbert Gilpin, from 1786 to 1794. Gilbert Gilpin was John Wilkinson's foreman at the Bersham works. He corresponded with Boulton & Watt about the manufacture and dispatch of engine parts that were made at Bersham. The bundle also contains letters written by two other clerks at Bersham, John Turner (letters from 1791 to 1794) and Cornelius Reynolds (letters in 1791). The majority of the letters are addressed to John Southern. Around August 1789 Southern began to docket the letters with name of the customer or the code of the engine whose parts were referred to. He also occasionally noted the date of his reply on the letters.

The bundle originally contained letters from 1788 to 1794. At some point the 1786 letters were added, having been removed from the General Incoming Correspondence series. The letters are dated as follows:

Nos. 1-8.1786

Nos. 9-28.1787

Nos. 29-40.1788

Nos. 41-67.1789

Nos. 68-82.1790

Nos. 83-125.1791

Nos. 126-149.1792

Nos. 150-162.1793

Nos. 163-171.1794

1786.

- 1. Letter. Gilbert Gilpin (Bersham) to James Watt (Birmingham). 16 Oct. 1786. Docketed "With Bell & Gosse and Albion Mill shafts invoices."
- **2.** Letter. Gilbert Gilpin (Bersham) to James Watt (Birmingham). 2 Nov. 1786. *Docketed "Crenver and other piston rods and brass."*
- 3. Letter. Gilbert Gilpin (Bersham) to James Watt (Birmingham). 4 Nov. 1786. On the same sheet:

Transcript of letter. W. Pike (Dublin) to Jos. Duke (—). 25 Oct. 1786. *Docketed "Shipping the brass working barrels for Poldice."*

- **4.** Letter. Gilbert Gilpin (Bersham Iron Works) to John Southern [Birmingham]. 13 Nov. 1786.
- **5.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 15 Nov. 1786.
- **6.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 25 Nov. 1786.

On the same sheet:

Memorandum. Dimensions, progress etc. of various castings of cylinders, piston rings etc.

7. Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 9 Dec. 1786.

On the same sheet:

Memorandum. Dimensions of cylinders for Haig and BG^s.

8. Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 21 Dec. 1786.

1787.

- **9.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 4 Jan. 1787.
- **10.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 7 Feb. 1787.

On the same sheet:

Transcript of letter. William Musgrove (Preston Pool) to Gilbert Gilpin. 5 Feb. 1787. Invoice of a 6 inch cylinder etc. for Messrs. Boulton & Watt.

- **11.** Letter. Gilbert Gilpin for John Wilkinson [Bersham] to John Southern [Birmingham]. 16 Feb. 1787.
- **12.** Letter. Gilbert Gilpin [Bersham] to John Southern [Birmingham]. 18 Feb. 1787.
- 13. Letter. Gilbert Gilpin for John Wilkinson [Bersham] to John Southern (at James Watt's, Birmingham). 28 Feb. 1787.

 Docketed "Answered 2 Mar."
- **14.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 12 Mar. 1787.
- **15.** Letter. Gilbert Gilpin for John Wilkinson [Bersham] to John Southern (at James Watt's, Birmingham). 23 Mar. 1787.

On the same sheet:

Memorandum. Dimensions of a cylinder for Wilkes.

16. Letter. Gilbert Gilpin (Bersham Iron Works) to John Southern (at James Watt's, Birmingham). 24 Apr. 1787.

On the same sheet:

Memorandum. Dimensions of cylinders for Calvert & Wall and Moorhouse.

17. Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 1 May 1787.

On the same sheet:

Transcript of letter. John Southern (Birmingham) to Gilbert Gilpin [Bersham]. 17 Feb. 1787.

- **18.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 8 May 1787.
- **19.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 10 May 1787.
- **20.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 12 May 1787.

On the same sheet:

List of articles ordered by Boulton & Watt for the Albion Mill.

21. Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 24 May 1787.

On the same sheet:

Dimensions of cylinder for Wheal Virgin.

- **22.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 27 May 1787.
- **23.** Letter. Gilbert Gilpin (Bersham) to John Southern (at James Watt's, Birmingham). 7 Aug. 1787.

On the same sheet:

Transcript of memorandum. Charles Hill – goods received from John Wilkinson for Gorton's of Cuckney.

- **24.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 14 Aug. 1787.
- **25.** Letter. Gilbert Gilpin [Bersham] to John Southern (at James Watt's, Birmingham). 25 Aug. 1787.
- **26.** Letter. Gilbert Gilpin (Bersham Iron Works) to John Southern [Birmingham]. 4 Sep. 1787. *Docketed "Shipping of Wheal Maid and Chacewater beam materials."*
- **27.** Letter. Gilbert Gilpin for John Wilkinson [Bersham] to John Southern [Birmingham]. 12 Nov. 1787.
- 28. Letter. Gilbert Gilpin [Bersham] to John Southern (Birmingham). 22 Nov. 1787.

1788.

- **29.** Letter. Gilbert Gilpin (Bersham) to John Southern (Birmingham). 11 Jan. 1788.
- **30.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 6 Feb. 1788.
- 31. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 28 Feb. 1788.

- 32. Letter. Gilbert Gilpin (Bersham) to John Southern (Birmingham). 7 Mar. 1788.
- **33.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 21 Mar. 1788.
- **34.** Letter. Gilbert Gilpin for John Wilkinson (Bersham Iron Works) to John Southern (Birmingham). 27 Mar. 1788.
- **35.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 27 Apr. 1788.
- 36. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 9 May 1788.
 Docketed "With Mr. Gyfford's invoice."
- 37. Letter. Gilbert Gilpin for John Wilkinson (Bersham Iron Works) to John Southern (Birmingham). 24 Jul. 1788.
- **38.** Letter. Gilbert Gilpin for John Wilkinson (Bersham Iron Works) to John Southern [Birmingham]. 13 Sep. 1788.
- **39.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 26 Jul. 1788.
- 40. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 11 Oct. 1788.
 John Rennie's address has been noted on the back. On the same sheet:
 Transcript of letter. John Cooke & Co. (Stratford, Essex) to John Wilkinson (Bersham). 9 Oct. 1788.

1789.

- **41.** Letter. Gilbert Gilpin for John Wilkinson [Bersham] to John Southern [Birmingham]. 24 Jan. 1789.
- **42.** Letter. Gilbert Gilpin for John Wilkinson [Bersham] to John Southern [Birmingham]. 28 Jan. 1789.
- **43.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 15 Feb. 1789.
- 44. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 28 Feb. 1789.

 On the same sheet:
 - Dimensions of a cylinder in stock at Bersham.
- **45.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 5 Mar. 1789.
- **46.** Letter. Gilbert Gilpin for John Wilkinson (Bersham Iron Works) to John Southern [Birmingham]. 10 Apr. 1789.
- 47. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 20 Apr. 1789.

48. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 4 Jun. 1789.

On the same sheet:

Invoice of a piston sent to Bradley Iron Works for the proprietors of the Bloomfield engine. 31 May 1789.

49. Letter. Gilbert Gilpin (Bersham) to John Southern [Birmingham]. 16 Jun. 1789. On the same sheet: List of gueries re. construction of engine BWM.

- **50.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 17 Jun. 1789.
- 51. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 19 Jun. 1789.
- **52.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 29 Jun. 1789.
- 53. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 2 Jul. 1789.
- 54. Letter. Gilbert Gilpin for John Wilkinson (Bersham Iron Works) to John Southern [Birmingham]. 17 Jul. 1789.
- 55. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 10 Aug. 1789.

On the same sheet:

Dimensions of a 45 inch cylinder in stock at Bersham.

Docketed "Weston. Whitbread."

56. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 19 Aug. 1789. Docketed "Weston."

57. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 27 Aug. 1789.

On the same sheet:

Sketch. Boiler proposed for Mr. Weston.

Docketed "Weston."

Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 31 **58.** Aug. 1789.

Docketed "BWM. J. Weston."

59. Letter. Gilbert Gilpin for John Wilkinson (Bersham Iron Works) to John Southern [Birmingham]. 8 Sep. 1789. Docketed "Drinkwater. Dunkin & Stibbs, and BWM."

60. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 10 Sep. 1789. Docketed "Dunkin & Stibbs."

61. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 24 Sep. 1789.

Docketed "Dunkin & Stibbs. BWM. Weston. Whitbread."

62. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 16 Oct. 1789. Docketed "Weston."

63. Letter. Gilbert Gilpin for John Wilkinson [Bersham] to John Southern [Birmingham]. 12 Nov. 1789. Docketed "BWM."

64. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 5 Nov. 1789. Docketed "BWM, small engines and Weston."

Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 23 **65.** Nov. 1789. Docketed "Weston."

66. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 9 Dec. 1789. Docketed "Weston."

67. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 18 Dec. 1789. Docketed "Dunkin. Whitbread. Couldery & Banister. Peel Ainsworth & Co."

1790.

Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 7 **68.** Jan. 1790. Docketed "Weston. Hawkesbury."

69. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 4 Feb. 1790. Docketed "Weston."

70. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 8 Feb. 1790. Docketed "ABCD. ABCE. Paty."

71. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 23 Feb. 1790. Docketed "I.B. and Gardner & Co."

- 72. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 25 Feb. 1790.
- 73. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Roberts (Birmingham). 2 Mar. Docketed "Couldery. Baker & Co. Boulton."

74. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 14 May 1790.

Docketed "I.B. Gardner & Manser, and C. Gardiner."

75. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 16 Jun. 1790.

**Docketed "ABCF."

76. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 1 Jul. 1790.

Docketed "Johnson & Gould."

- 77. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 9 Aug. 1790.
- **78.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 19 Aug. 1790.
- 79. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 18 Sep. 1790.

 **Docketed "BWS."
- 80. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 27 Sep. 1790.

 Docketed "Johnson & Gould."
- **81.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham).4 Nov. 1790.

On the same sheet:

Invoice of BG engine, Rotterdam. Detailed list of parts supplied. *Docketed "BG invoice."*

82. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 24 Dec. 1790.
Docketed "Butson. Ocker Hill."

1791.

83. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 16 Jan. 1791.

Docketed "Baker & Cooper. BWS. Butson."

84. Letter. John Turner for John Wilkinson (Bersham) to John Southern [Birmingham]. 25 Jan. 1791.

Docketed "BWS. IB."

85. Letter. John Turner for John Wilkinson (Bersham) to John Southern (Birmingham). 2 Feb. 1791.

Docketed as Gilbert Gilpin.

Docketed "BWS. Johnson & Gould."

86. Letter. John Turner for John Wilkinson (Bersham) to John Southern [Birmingham]. 12 Feb. 1791.

Docketed BWS. Baker & Co. Johnson & Gould."

87. Letter. John Turner for John Wilkinson (Bersham) to John Southern [Birmingham]. 15 Feb. 1791.

Docketed "Wheal Butson."

88. Letter. John Turner for John Wilkinson (Bersham) to John Southern (Birmingham). 22 Feb. 1791. *Docketed "Wheal Butson. BWS."*

- **89.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 1 Mar. 1791.
- **90.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 5 Mar. 1791.
- **91.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 10 Mar. 1791.

On the same sheet:

Memorandum. State of Messrs. Boulton & Watt's orders at Bersham. *Docketed "State of engines."*

- 92. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 6 Mar. 1791.
 Docketed "BWS. Ocker Hill."
- 93. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 14 Mar. 1791.
- 94. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 26 Mar. 1791.
 Docketed "ABCK. ABCL. ABCM. BWS."
- 95. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 31 Mar. 1791.
 Docketed "ABCK. ABCM."
- 96. Letter. Cornelius Reynolds for John Wilkinson (Broseley) to Boulton & Watt [Birmingham]. 6 Apr. 1791.

 Docketed "Thames & Severn."
- 97. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 7 Apr. 1791.
 Docketed "Ocker Hill."
- 98. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 12 Apr. 1791.
 Docketed "About Charles Gardiner's payment."
- 99. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 26 Apr. 1791.

On the same sheet:

Sketch. Boiler for BWS engine, showing how Hugh Jones proposes to cut it up to fit it on board ship.

- 100. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 29 Apr. 1791.
- 101. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 2 May 1791. Docketed "CG, CK, CM."
- 102. Letter. Cornelius Reynolds for John Wilkinson (Broseley) to John Southern [?] [Birmingham]. 10 May 1791.

 Docketed "Thames & Severn."
- 103. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 11 May 1791.
 Docketed "Thames & Severn, BWS, MDT, Bannatine, and ABCL."
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 15
 May 1791.
 Docketed "ABCL. Dugald Bannatine."
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 23 May 1791.Docketed "MDT. IB. Ocker Hill."
- 106. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 28 May 1791.
- **107.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 7 Jun. 1791.
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 20
 Jun. 1791.
 Docketed "Thames & Severn cylinder. Barrow Lees & Co."
- **109.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 23 Jun. 1791.
- 110. Letter. Cornelius Reynolds for John Wilkinson (Broseley) to Boulton & Watt (Birmingham). 5 Jul. 1791.
 Docketed "Gilpin. C. Reynolds. Thames & Severn invoice."
- **111.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to William Forman [Birmingham]. 7 Jul. 1791.
- 112. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 21 Jul. 1791.
 Docketed "James Robinson cylinder top."
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 4Aug. 1791.Docketed "ABCR. ABCT. MDT."
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 8Aug. 1791.Docketed "For money."

- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 12Aug. 1791.Docketed "ABCN, O. P. R. T. MDT."
- 116. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 3 Sep. 1791.
 Docketed "MDT."
- 117. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 10 Sep. 1791.
- 118. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 17 Sep. 1791.
 Docketed "ABCH, I, MDT."
- 119. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 23 Sep. 1791.
 Docketed "ABCI."
- **120.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 5 Oct. 1791.
- 121. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 2Nov. 1791.Docketed "BWM. ABCZ."
- 122. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 23 Nov. 1791.
 Docketed "2 20 inch cylinders 5 feet stroke. Manor Mine. Cook's Kitchen. Royal Plate Glass Co. Atherton. Gorton & Thompson. Jesson & Co. Robinson. Peels. And 2 17½ inch cylinders."
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham).Dec. 1791.Docketed "Barrow Lees. Fenton Park. ABDA. IB."
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 7Dec. 1791.Docketed "A cylinder in stock. 32 inch diameter, 8 foot stroke."
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 17Dec. 1791.Docketed "ABCU, V, X. ABDA, D."

1792.

- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 16
 Jan. 1792.
 Docketed "ABDD, DE, CW etc. Cutter holes."
- 127. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 25 Jan. 1792.

128. Letter. John Turner for John Wilkinson (Bersham) to John Southern (Birmingham). 3 Feb. 1792.

Docketed as Gilbert Gilpin.

Docketed "Curwen Esq. – invoice."

- **129.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 9 Feb. 1792.
- **130.** Letter. John Turner for John Wilkinson (Bersham) to John Southern (Birmingham). 20 Feb. 1792.

Docketed as Gilbert Gilpin.

Docketed "Fenton Park."

131. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 25 Feb. 1792.

Docketed "CM. Whitbread's wheels."

- Letter. Gilbert Gilpin for John Wilkinson [Bersham] to John Southern [Birmingham]. 26
 Mar. 1792.
 Docketed "Salvin. Douglas. Strutt."
- 133. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 26 Apr. 1792.
 Marked "Replied 26 Apr. J. S." Docketed "Sparrow. MDT. Douglas."
- 134. Letter. John Turner for John Wilkinson (Bersham) to John Southern (Birmingham). 2 Jun. 1792.
 Docketed "Invoices. 3 boilers: ABDC Simpsons, ABDF Salvin, ABDB Sedgewick & Co."
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 13Jun. 1792.Docketed "Simpsons, Salvin, Sedgwick boilers. MDT."
- **136.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 19 Jun. 1792.

On the same sheet:

Transcript of letter. Gilbert Gilpin for John Wilkinson (Bersham) to Thomas Thorn & Co. (Liverpool). 18 Jun.

Docketed "About IB pipes mistake."

- 137. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 25 Jun. 1792.
 Docketed "Bad boilers."
- 138. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 18 Aug. 1792.
 Marked "Replied 22 Aug. J. S." Docketed "Sparrow. Douglas boiler."
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 27 Aug. 1792.
 Marked "Replied to both 30 Aug. J. S." Docketed "CH boiler complete."

140. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 3 Sep. 1792.
Marked "Replied 6 Sep. J. S." Docketed "BWG."

141. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 19 Sep. 1792.
Marked "Replied 25 Sep." Docketed "BWG."

142. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 28 Sep. 1792.
Marked "Replied 6 Oct. J. S." Docketed "Douglas. BWG."

143. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 6 Oct. 1792.
Docketed "Douglas. Clegg."

Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 10
 Oct. 1792.
 Marked "Replied 12 Oct. J. S." Docketed "BWG."

Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 13Oct. 1792.Docketed "To beg book of directions."

Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Soho). 3 Nov. 1792.Docketed "Duck & Potts. BWG."

147. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 23 Nov. 1792.
Docketed "Sparrow piston rod."

148. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 5 Dec. 1792.

Marked "Replied 7th J. S."

149. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 23 Dec. 1792.

1793.

Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 12Feb. 1793.Docketed "BWM. Duck & Potts. Replied 13 Feb."

Letter. John Turner for John Wilkinson (Bersham) to John Southern (Birmingham). 25Feb. 1793.Docketed as Gilbert Gilpin.

Docketed "Lancaster Canal."

Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 12Mar. 1793.Docketed "Lancaster Canal. Drinkwater."

153. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 26 Mar. 1793.

Docketed "United Mines 2. DV. Prices – why altered."

154. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 17 Apr. 1793.

Docketed "Brandram. DV."

155. Letter. John Turner for John Wilkinson (Bersham) to John Southern [Birmingham]. 26 Apr. 1793.

Docketed as Gilbert Gilpin.

Marked "Replied 30th." Docketed "Barrow Lees."

156. Letter. Gilbert Gilpin for John Wilkinson (Liverpool) to John Southern (Birmingham). 13 May 1793.

Docketed "BWM or G."

157. Letter. John Turner for John Wilkinson (Bersham) to John Southern [Birmingham]. 20 May 1793.

Docketed as Gilbert Gilpin.

Marked "Replied 25." Docketed "Thames & Severn."

158. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 23 Jul. 1793.

Docketed "Barrow Lees. Small cylinder, though cast, a waster."

159. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 26 Jul. 1793.

Docketed "Lancaster Canal goods sent off."

160. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 27 Sep. 1793.

Docketed "Salvin's."

- 161. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 28 Nov. 1793.
- **162.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 13 Dec. 1793.

Docketed "About canal engine 2nd edit."

1794.

163. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 4 Jan. 1794.

Mis-dated by Gilpin as 24 Jan. Marked "Replied 7 Jan."

164. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 14 Jan. 1794.

Docketed "Brandling's goods."

165. Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 18 Jan. 1794.

- Letter. John Turner for John Wilkinson (Bersham) to John Southern [Birmingham]. 12
 Feb. 1794.
 Docketed as Gilbert Gilpin.
 Docketed "Curwen. Replied 15 Feb."
- Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 6
 Mar. 1794.
 Mis-dated by Gilpin as 1793.
- **168.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern (Birmingham). 9 Jun. 1794.
- **169.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 9 Aug. 1794.
- **170.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 2 Oct. 1794.
- **171.** Letter. Gilbert Gilpin for John Wilkinson (Bersham) to John Southern [Birmingham]. 1 Nov. 1794.