

**MS 3147/3/458**  
**CORNISH MINES & ENGINES**  
**CORRESPONDENCE & PAPERS 1777— CIRCA 1801**

INTRODUCTION

This bundle contains letters, memoranda, calculations etc. about various individual Cornish mines and their engines. The original arrangement of this bundle is not clear, but at some point the contents have been arranged alphabetically by mine. The contents of this bundle were almost certainly gathered together from various other sources, but it is not clear when this happened.

The papers concern the ordering, erection and performance of engines, mine shares, debts owed to Boulton & Watt, disputes over payment, etc. A large number of the papers relate to the legal actions against the “recusant” mines in the late 1790s, and Matthew Robinson Boulton’s visit to Cornwall in 1799 to settle with various mines. For further material relating to the recusant mines, see B&W 2/56, Legal Papers, Cornish Recusants.

**Nos. 1-2. Carzize Wood.**

1. Letter. William Pasmore (Helston) to M. R. Boulton (Truro). 27 Aug. 1799.  
*Docketed “Determination of Carzize Wood adventurers to pay our demands. Unable to give bills for it till collected from the the Adventurers.”*
2. Letter. William Pasmore (Helston) to M. R. Boulton (Truro). 31 Aug. 1799.  
*Docketed “Reasons why he cannot pay the Carzize Wood money till he has collected it from the Adventurers.”*

**Nos. 3-5. Chacewater.**

3. Indenture. Assignment by Matthew Boulton and Thomas Wilson of 1/32 part or share of Chacewater Adventure in the Parish of Kenwyn to William Paul. 16 Jun. 1786.  
*Signed and sealed by Boulton, Wilson and Paul, and witnessed by Benjamin Magor, George Vivian and John Thomas.*
4. Memorandum. Mr. Milles’ opinion on the case of Chacewater poors rate. 31 Jan. 1787.  
*By Thomas Milles of Lincoln’s Inn.*
5. Memorandum. Copy of Thomas Mills’ opinion of the case of Chacewater Poor Rates. Lincoln’s Inn, 31 Jan. 1787.  
*In Thomas Wilson’s hand. Copy of part of No. 4 above.*

**Nos. 6-46. Consolidated Mines (Elvan, Wheal Maid, Wheal Virgin).**

6. Memorandum. Calculations for Wheal Virgin and Wheal Maid. 5 Dec. 1778.  
*In James Watt’s hand. Marked “This paper realtes to what was concerted Winter 1778, and not to the propositions delivered in Winter 1779.”*
7. Memorandum. Proposals respecting Wheal Virgin and the mines connected with it. 1779.  
*In James Watt’s hand. Marked “This scheme was altered.”*

8. Memorandum. Resolution of Wheal Virgin adventurers at Truro. 26 Oct. 1779.  
*In Thomas Wilson's hand.*
9. Transcript of letter. James Watt (Chacewater) to Thomas Daniel (Truro). 27 Oct. 1779.  
*Docketed "Copy letter to Wheal Virgin adventurers."*
10. Notebook. Wheal Virgin, 18 Oct. 1780. 32 pages.  
*In Matthew Boulton's hand.*  
*Cover also marked "& Cornish prices of iron work." Includes prices of iron work from John Tyack alias Teague of Camborne and Dick Thomas of Golzvine. The notebook was reversed and used for notes, calculations and proposals for the Wheal Virgin, Wheal Maid and Elvan.*
11. Calculations. Wheal Virgin water. [Circa 1780.]  
*In Matthew Boulton's hand.*
12. Letter. Thomas Daniell (Truro) to Boulton & Watt (Birmingham). 20 Feb. 1783.
- 13a. Draft of letter. Boulton & Watt (—) to Mr. Phillips (—). 6 Mar. 1783.  
*Kept with (b) below. In James Watt's hand.*  
*Docketed "Draughts of letters on the pursership Mar. 1783."*
- b. Draft of letter. Boulton & Watt (—) to Mr. Phillips (—). — Mar. 1783.  
*In Matthew Boulton's hand.*
14. Account. Wheal Virgin loss to the end of Mar. 1783.  
*Docketed "Account of Wheal Virgin Mine."*
15. Letter. Thomas Daniell & Son (Truro) to Boulton & Watt (Birmingham). 11 Jun. 1785.
16. Memorandum. At a meeting of the Consolidated Mines Adventurers. Truro, 22 Sep. 1785.  
*Docketed "My promise to the Adventurers of Wheal Virgin Mine given at Truro." [Note of a promise made by Matthew Boulton at a meeting of the Consolidated Mines to increase the power of their engines without increasing Boulton & Watt's savings.]*
- 17a. Letter. William Paul Jr. (Trevarth) to James Watt [?] [Birmingham]. 15 Sep. 1786.  
*Enclosing (b) below.*  
*Docketed "Wheal Virgin. Order for new engine."*
- b. Memorandum. Resolution at a meeting of the Consolidated Mines adventurers. 15 Sep. 1786.  
*Resolution to order a double engine for Martyn's Shaft.*
18. Letter. Thomas Daniell & Son (Truro) to Boulton & Watt (Birmingham). 21 Apr. 1787.
19. Letter. Thomas Daniell & Son (Truro) to Boulton & Watt (Birmingham). 16 Jun. 1787.  
*On the same sheet:*  
Transcript of letter. Thomas Daniell & Son to Boulton & Watt. 21 Apr. 1787.
- 20a. Draft of letter. James Watt [Soho] to Thomas Daniell & Son [Truro]. 21 Jun. 1787.  
*Kept with (b) below.*
- b. Draft of letter. Earlier [?] draft of the above.
21. Letter. R. A. Daniell (Truro) to Matthew Boulton [Soho]. 18 Jul. 1788.

22. Letter. R. A. Daniell (Truro) to Matthew Boulton (Soho). 4 Aug. 1788.  
*Docketed "Consolidated Mines."*
23. Account. Coals consumed by the old fire engines at Consolidated mines in May 1779...  
coals consumed in May 1789.  
*In James Pearson's hand.*  
*Docketed "Coals consumed by the old fire engines at Wheal Virgin mine, ditto consumed by  
new engine."*
24. Letter. R. A. Daniell (Truro) to Matthew Boulton (Soho). 4 Jun. 1790.  
*Docketed "Consolidated Mines."*
- 25a. Draft of letter. Matthew Boulton [Soho] to R. A. Daniell [Truro]. — 1790.  
*Kept with (b) below.*  
*In reply to a letter from Daniell of "12 inst." Docketed "Consolidated Mines."*
- b. Draft of letter. Matthew Boulton [Soho] to R. A. Daniell [Truro]. — 1790.  
*In reply to a letter from Daniell of 26 Aug.*
26. Transcript of letter. Boulton & Watt [Soho] to R. A. Daniell [Truro]. 16 Apr. 1791.  
*In James Watt's hand.*  
*Docketed "Consolidated Mines."*
27. Letter. R. A. Daniell (Truro) to Boulton & Watt (Soho). 4 Nov. 1793.
28. List of Wheal Virgin Adventurers. Not dated.
- 29a & b. Lists of adventurers in Consolidated Mines and their share holdings. Not dated.
30. Sketch. Edward Bull's alteration of Elvan engine. [Circa 1794?]
31. Memorandum & calculations. Elvan engine. Jul. & Aug. —.  
*In Thomas Wilson's hand.*  
*Comparison between Poldice East and Elvan engines.*
32. Memorandum. The Case of Consolidated Mines. 17 Oct. 1794. 2 sheets.  
*In James Watt's hand.*
33. Draft deed. Copy of draft proposed deed poll respecting payment of proportions of  
premiums. 1794. 4 sheets.  
*Agreement between the Consolidated Mines adventurers and Boulton & Watt.*
- 34a. Memorandum. Consolidated Mines. 12 Aug. 1795.  
*Kept with (b) below. In Thomas Wilson's hand.*  
*About the original agreement and premiums.*
- b. Memorandum. Engines now working on Consolidated Mines. 12 Aug. 1795.  
*In James Watt Jr.'s hand.*

- 35a.** Transcript of protest. James Tippet to Ralph Allen Daniel. 9 Jan. 1797.  
*Kept with (b) below.*  
*Declaring to Daniell that the Foxes and other adventurers in Consolidated Mines are willing to pay their share of Boulton & Watt's demands, and will not pay any of Daniell's legal costs.*
- b.** Transcript of protest. James Tippet to William Paul, Purser, Joseph Morcom and other Managers of Consolidated Mines. 9 Jan. 1797.  
*Docketed "Copies of the protest made by James Tippet on behalf of Messrs. Foxes and others addressed to Mr. Paul, Mr. Daniell and others."*
- 36a.** Account. Boulton & Watt debtors to William Paul for their 1/32 share in Consolidated Mines. May 1793—Oct. 1797.  
*Kept with (b) below.*
- b.** Account. Earlier version of the above, covering May 1793—Jan. 1797.  
*Docketed "Consols cost to B&W, end of Oct. 1797."*
- 37.** Memorandum. Price of coals at Consolidated Mines from 1782 to 1798.
- 38.** Account. Statement of Costs due to and ores sold from Consolidated Mines. May 1793—Nov. 1798.  
*Docketed "Balance due to the mine £3984.9.1½."*
- 39.** Memorandum. Wheel Virgin premiums calculated upon the engines at work to end of Dec. 1798.  
*In Thomas Wilson's hand. Includes engines at Wheel Maid and Elvan.*
- 40a.** Memorandum. Coals consumed by Fire Engines from the end of Sep. 1778 to the end of Sep. 1779, taken from the Custom House books at Truro. 8 Mar. 1799.  
*Kept with (b) below. In Thomas Wilson's hand.*  
*Lists consumption for Wheel Virgin, West Wheel Virgin and Wheel Maid, and also Poldice in Oct. 1778 only.*
- b.** Memorandum. Coals consumed by 7 Fire Engines on the Consolidated Mines from end of Jun. 1778 to end of Jun. 1779.  
*Lists consumption for Wheel Virgin, West Wheel Virgin and Wheel Maid.*  
*Docketed "Coals consumed by old engines on Consolidated Mines from June 1778 to end June 1779."*
- 41.** Account. Statement of the Costs due from Boulton & Watt to the Consolidated Mines. 31 Mar. 1799.  
*Account titled "Messrs. Boulton & Watt in account with William Paul."*
- 42.** Letter. T. Grylls (Mr. T. Nankivell's) to Thomas Wilson [Truro]. "Friday Noon" [— Apr. 1799].  
*Docketed "Desiring an interview."*
- 43.** Letter. R. A. Daniell (Truro) to M. R. Boulton [Truro]. 20 Apr. 1799.  
*Docketed "Reasons for abatement offer of £10,000 in full of all demands."*
- 44.** Memorandum. Agreement with William Hore on behalf of Mr. Daniell and other adventurers in Consolidated Mines. 30 May 1799.  
*In Thomas Wilson's hand. Signed by Hore and M. R. Boulton.*

45. Memorandum. Extracts from Deed between James Watt & Matthew Boulton and Thomas Daniell on behalf on Consolidated Mines adventurers, 21 Nov. 1780, with copies of the questions submitted to Mr. Erskine. 5 sheets.  
*These extracts were probably made in the late 1790s.*

46. Memorandum. Names of Adventurers in Consolidated Mines, with the amounts to be refunded to them. Circa Jul. 1800.

**Nos. 47-53. Dolcoath.**

47. Memorandum. Dolcoath engines. Sep. 1777.  
*Docketed "Given by Vivian to Wilson. No. 7."*

48. Memorandum. The consumption of coals at Dolcoath and Wheal Prosper Mines in Sep. & Oct. 1779.  
*Docketed "Dolcoath and Wheal Prosper given by Capt. Carkeet. No. 5."*

49. Memorandum. Dolcoath engines. Nov. 1779.  
*Docketed "Calculation given by Bouge [John Budge] of Dolcoath. No. 6." Marked "Account given to James Watt by Mr. Bouge, Nov. 1779."*

50. Memorandum. Dolcoath Engines. 17 Nov. 1780.  
*Details of performance of Old, South and West engines.*

51. Memorandum. Capt. E. Rogers' observations on and objections against the comparative trial made by Capt. Trevithick and Budge at Dolcoath. [Circa Apr. 1782.]

52. Memorandum. Capt. Trevithick's trial on Dolcoath old engine, a 63 inch cylinder said to be 6 feet stroke, in the month of April 1782. From a letter of Mr. Wilson's of 6 Jun. 1782.  
*In James Watt's hand.*

53. Memorandum. Experiments at Dolcoath in 1782 to ascertain the consumption of the old and new engines. Delivered to us by Capt. Trevithick Jr. [i.e. Richard Trevithick] 30 Sep. 1797.

**Nos. 54-61. Godolphin.**

54. Memorandum. Godolphin Mine, with statement of account.  
*Brief history and details of the engine and the debt to Boulton & Watt. With a note at the bottom by M. R. Boulton.*

55. Memorandum. List of papers respecting Godolphin delivered to Messrs. Weston; List of Mines which paid Boulton & Watt after their patent was established. [1800?]  
*In Thomas Wilson's hand.*

56. Memorandum. Memorandums relative to the Action against Godolphin Adventurers. 14 May 1801.  
*In M. R. Boulton's hand.*  
*Docketed "List of documents in Godolphin case."*

57. Memorandum. Godolphin. [1801?]  
*Notes on evidence against the mine from witnesses and documents. In James Watt Jr.'s hand.*

58. Memorandum. In the Common Pleas – Boulton v. Rowe: Copy List of 48. Not dated.  
*Marked “A. & J. Weston.”*
59. Memorandum. In the Common Pleas – Boulton v. Rowe: Copy List of the 48. Not dated.  
*24 of the names have been crossed out. Marked “A. & J. Weston.”*
60. Memorandum. In the Common Pleas – Boulton v. Rowe: Copy List of 24. Not dated.  
*Marked “A. & J. Weston.”*
- 61a. Manuscript. Extracts from the letters relative to the steam engine on Godolphin Mine. 12 Feb. 1786—31 Dec. 1793. 10 pages.  
*Extracts prepared for the court case. With (b) below inside the front cover.*
- b. Memorandum. Case of Godolphin Mine. 2 sheets.

**Nos. 62-73. Hallamanin.**

62. Bundle wrapper.  
*Marked “Hallamanin.”*
63. Letter. B. Lewett & Co. (Marazion) to James Watt (Birmingham). 26 Feb. 1778.
64. Memorandum. An account of the consumption of coals by the two Eastern and the middle Fire Engines at Poldice Mine, and Calculations therefrom of the Coals which would be consumed by a Common fire engine equal in power and length of stroke to the new engine erected at Hallamanin Mine according to the invention of James Watt. [Circa 1778.]  
*In James Watt’s hand.*
65. Transcript of letter. James Watt (Chacewater) to John Bevan [Marazion]. 29 Oct. 1779.  
*In Thomas Wilson’s hand.*
66. Letter. John Bevan (Marazion) to James Watt (Redruth). 29 Oct. 1779.
67. Transcript of letter. Boulton & Watt (Chacewater) to John Bevan (Marazion). 14 Jan. 1780.  
*In James Watt’s and Matthew Boulton’s hands.*  
*Docketed “About signing Hallamanin articles.”*
68. Memorandum. A view of Hallamanin bottoms back. By Matthew Angove & John Daws. 9 Nov. 1787.  
*Details of the levels etc. Sent with Thomas Williams’ letter of 6 Oct.?*
69. Memorandum. A state[ment] of Retallack Mine with an Estimate of the Engines & their other materials on the mine together with the depths and length of the ore ground etc. etc. By Richard Hodge, St. Hilary. 8 Sep. 1788.  
*Passed to James Willyams at Truro. Sent with Thomas Williams’ letter of 6 Oct.?*  
*Docketed “Retallack and Hallamanin.”*
70. Letter. Thomas Williams (Anglesey) to Matthew Boulton [Soho]. 6 Oct. 1788.  
*Docketed “About Hallamanin mine.”*

71. Calculations. Not dated.  
*In Matthew Boulton and James Watt's hands. Includes calculations for Hallamanin.*
72. Letter. John Hawkins (5 Cavendish Square, Chandos St., London) to Matthew Boulton [Birmingham]. 25 May —.  
*Docketed "About Hallamanin."*
73. Memorandum. Plan for the Management of Hallamanin. Not dated. 2 sheets.  
*In three sections: Proposed plan of a set or lease of Hallamanin and Retallack United Mines; Regulations for the prevention of Collusive Fraud...; For the Prevention of disputes among the Adventurers."*

**No. 74. Herland.**

74. Memorandum. Extracts from Boulton & Watt's letter to Thomas Wilson [?] of 12 May 1798 and James Watt's letter to Mr. — Carne of 17 May 1798.

**No. 75. Hewas.**

75. Memorandum. Extracts from an agreement for an engine with the Adventurers of Hewas Mine. [Circa 1794. Incomplete].

**Nos. 76-84. North Downs.**

76. Draft of letter. Matthew Boulton [Soho] to the Proprietors of North Downs Mine. 1784.
77. Letter. John Williams (Burncoose) to Boulton & Watt (Soho). 2 Feb. 1785.
78. Letter. William Paul & John Williams (Burncoose) to Boulton & Watt (Soho). 11 Feb. 1785.
79. Letter. John Williams (Burncoose) to Boulton & Watt (Soho). 12 Jan. 1786.  
*On the same sheet:*  
Resolution made at a meeting of the North Downs Adventurers. 10 Jan. 1786.  
*Mis-dated by Williams as 1785. Docketed as North Downs Adventurers.*
80. Letter. John Williams (Burncoose) to Boulton & Watt (Soho). 9 Feb. 1787.  
*On the same sheet:*  
Resolution made at a meeting of the North Downs Adventurers. 6 Feb. 1787.  
*Docketed as North Downs Adventurers.*
- 81a. Letter. John Williams (Scorrier) to Boulton & Watt [Soho]. 15 Aug. 1787.  
*Enclosing (b) below.*  
*Docketed "North Downs Adventurers. Requesting abatement."*
- b. Memorandum. Request of the North Downs adventurers. 13 Aug. 1787.
82. Letter. John Williams (Scorrier) to Boulton & Watt (Soho). 24 May 1791.  
*Docketed "North Downs Adventurers. Wanting abatement."*
83. Letter. John Williams (Scorrier) to Boulton & Watt (Soho). 22 Nov. 1792.

84. Letter. John Williams (Scorrier) to Boulton & Watt (Soho). 4 Nov. 1793.

**Nos. 85-118. Poldice.**

The performance of two atmospheric engines at Poldice, one with a 66 inch cylinder pumping water from 33 fathoms and one with a 60 inch cylinder pumping from 25 fathoms, was used as a standard on which calculations of the coal consumption of engines were founded. These engines were referred to as the "Eastern engines." The tests to establish this standard performance were made in August and September 1778.

85. Note. Coals consumed by Poldice Lower Engines in Aug. & Sep. 1778.  
*Docketed "Poldice Coals. No. 1." Marked "Taken from the books & written by Mr. John Williams, Cashier."*
86. Memorandum. Proposal to Poldice. [Circa 1778].  
*In James Watt's hand.*
- 87a. Certificate of coal consumption and performance of the two Eastern engines. 30 Oct. 1778.  
*Signed by Watt, Boulton, J. C. Hawkins Tremayne, Richard Williams, John Williams and Thomas Brown.*
- b. Copy of the above certificate.  
*Witnessed by William Forman and John Southern.*
88. Memorandum. Transcript of the above certificate.  
*In James Watt's hand.*  
*Docketed "Certificate of Poldice Old Engine."*
89. Memorandum. Memorandum of Observations to be made at Poldice. [Circa 1778?]  
*In James Watt and Matthew Boulton's hands. Queries about the Eastern and Middle engines.*
90. Memorandum & tables. Calculations on the performance of the Eastern and Middle engines. [Circa 1778?]  
*Tables for using the Poldice engines as a standard for the calculation of consumption.*
91. Memorandum. Points to be discussed at a meeting about Wheal Virgin and Poldice. [Circa 1781?]  
*Mainly in Matthew Boulton's hand.*
92. Letter. John Vivian (Dolcoath) to Boulton & Watt (Soho). 5 Aug. 1782.  
*Docketed "About their spare rod – Poldice."*
93. Notes & calculations. Poldice New Engine – an account of its working. [Circa 1785—1786?] 2 sheets.
94. Sketch & calculations. Poldice shafts. [Circa 1785?]  
*Mentions the "New Engine."*
95. Letter. John Vivian (Truro) to Matthew Boulton (Soho). 30 Jun. 1786.
96. Letter. John Vivian (Truro) to Matthew Boulton [Soho]. 27 Jul. 1786.



97. Transcript of letter. Boulton & Watt (Birmingham) to John Vivian [Truro]. 1 Aug. 1786.  
*Kept with (b) below.*
98. Draft of letter. Boulton & Watt [Birmingham] to John Vivian [Truro]. [1 Aug. 1786].  
*In Matthew Boulton's hand. Earlier draft of the above letter.  
Docketed "Boulton & Watt's answers to Poldice."*
99. Calculations. Powers of Poldice past, present and to come. [Circa 1787?]  
*In Matthew Boulton's hand.*
100. Memorandum. Oppey's Engine, Poldice – pumps. [Circa 1787?]
101. Rough calculations. Mainly concerning the Wheal Prosper engine. [1790s?].  
*Mainly in Matthew Boulton's hand.*
102. Calculations. On engines – Poldice etc. [Circa 1791?]  
*Partly in Matthew Boulton's hand. Mentions Wheal Butson.*
103. Memorandum. Notes on Poldice and Wheal Butson. [Circa 1791.]  
*In Matthew Boulton's hand. Mentions Hornblower's engine at Tincroft.*
104. Memorandum. Jottings for an address to the Cornish gentlemen. [Circa 1791?]  
*In Matthew Boulton's hand. Draft for a letter to a newspaper or an address defending the  
Boulton & Watt engine. Mentions the claims made for Hornblower's engine.*
105. Memorandum. Definition of what constitutes the best engine. [Circa 1791?]  
*In Matthew Boulton's hand. Notes for an address or paper to Cornish mine adventurers.  
Docketed "Definition of what constitutes the best engine, viz. 1. Cheapest 2. Most  
powerful. 3. That does most work with the least coal. 4. Least taxed with friction and vis  
inertia."*
106. Letter. John Vivian (Truro) to Boulton & Watt (Birmingham). 19 Mar. 1791.
107. Transcript of letter. Boulton & Watt (Birmingham) to John Vivian [Truro]. 16 Apr. 1791.  
*In John Southern's hand?*
108. Transcript of letter. Boulton & Watt (Birmingham) to the Adventurers in Poldice Mine. 4  
Jul. 1792.  
*In John Southern's hand?*
109. Letter. Thomas Wilson (Truro) to Boulton & Watt (Soho). 21 Jul. 1792.  
*Docketed "Resolutions of Poldice Adventurers about our savings at sundry times."*
110. Note. Performance of Poldice double engine in Aug. 1792.
111. Transcript of letter. Boulton & Watt (Truro) to John Williams, Purser to Poldice Mine. 20  
Sep. 1792.  
*In James Watt's hand.*
112. Memorandum. Premiums paid by Poldice to the month of Sep. 1794.
113. Transcript of letter. James Watt Jr. [Soho] to A. & J. Weston [London]. 4 Dec. 1794. 2  
sheets.  
*On the same sheets:  
Memorandum. Case of Poldice Mine.*

114. Transcript of letter. Boulton & Watt (Soho) to the Adventurers in Poldice Mine. 13 Jan. 1795.  
*In James Watt Jr. 's hand.*
115. Transcript of letter. Thomas Wilson (Truro) to Boulton & Watt [Soho]. 15 Jan. 1795.  
*On the same sheet:*  
Resolution made at a meeting of Poldice Adventurers. 15 Jan. 1795.
116. Transcript of letter. John Williams (Poldice) to the Adventurers in Poldice Mine. 7 Mar. 1795.  
*In Thomas Wilson 's hand. On the same sheet:*  
Resolutions made at the meetings of Poldice Adventurers, 15 Jan. & 12 Mar. 1795.
117. Letter. John Landor (St. Day) to Boulton & Watt (Birmingham). 21 Nov. 1797.  
*Docketed "Poldice nozzles. Failure of Bull's scheme at Pednandrea mine."*
118. Memorandum & calculations. Statement to show that Boulton & Watt's proportion of savings was not over-rated. Not dated.  
*In Thomas Wilson 's hand. Includes comparisons with various other Cornish engines.*

**Nos. 119-123. Polgooth.**

119. Transcript of agreement. Partnership deed, Polgooth mine. 30 Jul. 1783.
120. Rough sketch. Plan of Polgooth. Not dated.
121. Memorandum (press copy). Polgooth mine. Not dated. 2 sheets.  
*Details of the mine, how long in the year the engines work etc.*
122. Letter. Thomas Wilson (Chacewater) to Matthew Boulton [?] [Soho]. 26 Jul. 1785.  
*On the same sheet:*  
Account. Messrs. Sawle Fox & Co. on account of tin from Polgooth mine.  
*Docketed "Account of Polgooth tin."*
123. Letter. Richard Michell (Carharrack) to M. R. Boulton (at Thomas Wilson's, Truro). 28 Jul. 1799.  
*Docketed "Returns his thanks for Boulton & Watt's donation. Statement of the performance of Polgooth engine."*

**Nos. 124-126. Pool Adit Mine.**

124. Memorandum. Details of old engines at Pool Adit and Penhellack mines. 1 Jan. 1780.  
*Marked "This was given me 1 Jan. 1780 M. B. [Matthew Boulton]."*
125. Memorandum & calculations. Pool Adit. [Circa 1781?]  
*In Matthew Boulton 's hand. Calculations on the depth of the mine, water to be raised etc.*
126. Memorandum. Resolution made at the Meeting of the Adventurers in Pool Adit Mine. 25 Nov. 1782.  
*Docketed "Pool adventurers to petition Boulton & Watt to remit part of their savings."*

**No. 127. Rosewarne.**

127. Letter. John Edwards (—) to Matthew Boulton [Redruth]. 13 Nov. 1780.  
*On the same sheet:*  
Calculations. Proposals for the engines at Rosewarne.  
*Docketed "Dispute with Edwards, and Trevithick upon old and new engines."*

**Nos. 128-129. Seal Hole.**

128. Account. Expense of building and working Seal Hole engine. [Circa 1790?]  
*In Thomas Wilson's hand. With an added note about the corrosion of iron parts by bad water, circa 1794?*
129. Transcript of agreement. Agreement with Seal Hole adventurers. 26 Jul. 1793.  
*In Thomas Wilson's hand. Original signed by Wilson on behalf of Boulton & Watt.*

**Nos. 130-131. Tincroft.**

130. Memorandum. Hornblower's engine at Tincroft. [1789?]  
*In Matthew Boulton's hand. Accounts and comparisons of Hornblower's engine, Hornblower and Wilson's disputes in the Sherborne Mercury, etc.*
131. Memorandum. Directions for working the Tin Croft engine. Not dated. 2 sheets.  
*In Thomas Wilson's hand. Refers to a set of drawings which are now wanting.*

**Nos. 132-133. Ting Tang.**

132. Memorandum. Goods sent to Tin Tang. 9 Jun. 1777.  
*List of boxes and their contents.*
133. Memorandum. Table comparing a common engine with the 52 inch cylinder engine erected at Ting Tang. [Circa 1778?]  
*In James Watt's hand. The table originally accompanied the agreement for the engine, which is now wanting. On the reverse is the following:*  
Draft of agreement between Boulton & Watt and George Blewet to compare the Wheel Union new engine with the Eastern and Middle engines at Poldice. Not dated.

**Nos. 134-139. Trevascus.**

134. Letter. Richard Lanyon & Richard Hickens (Gwinear) to Boulton & Watt (Birmingham). 21 May 1781.
135. Letter. Richard Lanyon (Gwinear) to Boulton & Watt (Birmingham). 7 Jun. 1781.
136. Letter. Richard Lanyon (Gwinear) to Logan Henderson [Redruth]. 4 Nov. 1781.  
*Forwarded to James Watt at Cosgarne.*  
*Docketed "About freight for Trevascus goods."*
137. Letter. Stephen Newton Jr. (Lelant) to James Watt [Cosgarne]. 9 Jan. 1782.

138. Letter. John Halse (Truro) to Boulton & Watt (Birmingham). 25 May 1782.
139. Account. Travascus Mine debtor to the Proprietors. Jan. 1783—Jun. 1784.  
*Docketed "State [of] Trevascus Mine."*

**Nos. 140-184. United Mines (Ale & Cakes, Poldory).**

140. Letter. George Simmons (United Mines) to James Watt (Birmingham). 13 Feb. 1779.  
*Docketed "Ale & Cakes."*
141. Memorandum. List of pipes required for Ale & Cakes and Wheal Cupboard. [Circa 1779—1780.]  
*Marked "Direct to George Simmons, near Truro."*
142. Letter. George Simmons (Tresamble) to James Watt (Birmingham). 27 Mar. 1779.  
*Docketed "Ale & Cakes."*
143. Letter. George Simmons (Tresamble) to James Watt (Birmingham). 5 May 1779.  
*Docketed "Ale & Cakes."*
144. Letter. George Simmons (Tresamble) to James Watt [Birmingham]. 24 May 1779.  
*On the same sheet:*  
Memorandum. Items wanted for Ale & cakes and Poldory engines.  
*Docketed "Ale & Cakes. Order for engine work."*
145. Letter. George Simmons (Tresamble) to James Watt (Birmingham). 8 Jul. 1779.  
*Docketed "Ale & Cakes."*
146. Letter. George Simmons (Tresamble) to James Watt (Birmingham). 12 Aug. 1779.  
*Docketed "Ale & Cakes and Poldory."*
147. Memorandum. Ale & Cakes Engine – 58 inch cylinder, 9 feet stroke. [Circa 1779—1780.]  
*In James Watt's hand. Calculations and table of comparison with the Poldice engines.*
148. Memorandum. Table comparing a common engine with the engine to be erected at Ale & Cakes. [Circa 1779—1780.]  
*In James Watt's hand. The table originally accompanied the agreement for the engine, which is now missing. The table is probably a draft, as part of it has been crossed out.*
149. Memorandum. Ale & Cakes and Poldory. [Circa 1779—1780.]  
*In James Watt's hand. Includes comparisons with the Poldice Eastern engines.*
150. Letter. Jethro Hornblower (Whitehall) to James Watt (Soho). 11 Jun. 1780.  
*Docketed "Ale & Cakes. About joints of boiler pipes."*
- 151a. Memorandum. Table comparing a common engine with the engine to be erected at Poldory. [Circa 1779—1780.]  
*Kept with (b) below.*  
*The table originally accompanied the agreement for the engine, which is now missing.*
- b. Memorandum. William Murdock's Experiment on Poldory. 16 Nov. —.

152. Letter. R. A. Daniell (Truro) to James Watt [Birmingham]. 9 Jun. 1786.  
*Docketed "Wanting abatement for United Mines."*
153. Letter. R. A. Daniell (Truro) to James Watt (Birmingham). 29 Jul. 1786.  
*On the same sheet:*  
Transcript of letter. R. A. Daniell (Truro) to James Watt. 9 Jun. 1786.
154. Letter. R. A. Daniell (Truro) to Matthew Boulton (Soho). 28 Oct. 1786.  
*Docketed "United Mines. Rough draft of agreement acceded to."*
- 155a. Letter. Thomas Michell (Gwennap) to Boulton & Watt (Soho). 18 Dec. 1787.  
*Enclosing (b) below.*  
*Docketed "Resolutions of the United Mines. Desire abatement. No. 6."*
- b. Memorandum. Resolutions made at a meeting of the United Mines adventurers. 17 Dec. 1787.
156. Letter. Thomas Michell (Gwennap) to Boulton & Watt (Birmingham). 20 Oct. 1790.  
*Docketed "About alteration of engine on United Mines. Not answered."*
157. Transcript of letter. Boulton & Watt [Soho] to the Adventurers in United Mines. 16 Apr. 1791.  
*In James Watt's hand.*
158. Letter. George Simmons Jr. (United Mines) to Boulton & Watt (Soho). 18 Jul. 1791.  
*On the same sheet:*  
Transcript of letter. George Simmons (United Mines) to Boulton & Watt. 19 Sep. 1788.  
*Docketed "About abatement 19 Sep. 1788 should be."*
159. Letter. George Simmons Jr. (United Mines) to Boulton & Watt (Soho). 30 Aug. 1791.
160. Memorandum of what Mr. Wilson said to Mr. Beauchamp. 8 Feb. 1792.  
*Written on 21 Jan. 1792 and given to Wilson.*
161. Transcript of letter. Boulton & Watt (Truro) to Joseph Beauchamp (—). 16 Sep. 1792.  
*In Thomas Wilson's hand.*
162. Letter. George Simmons (United Mines) to Boulton & Watt (at Mr. Wilson's, Truro). 17 Sep. 1792.  
*Docketed "Abatements."*
163. Transcript of letter. Boulton & Watt (Truro) to George Simmons, Purser to the United Mines. 26 Sep. 1792.  
*In James Watt's hand.*
164. Letter. Richard Michell (Carharrack) to Matthew Boulton (Soho). 27 Apr. 1793.
165. Memorandum. Order for a double engine for United Mines. 3 May 1793.  
*By Richard Michell. On the same sheet:*  
Pen & wash drawings of various engine parts.  
*Docketed "United Mines No. 2."*
166. Letter. Richard Michell (Carharrack) to Matthew Boulton (Soho). 16 May 1793.  
*Docketed "United Mines No. 2."*

167. Letter. R. A. Daniell (Truro) to Boulton & Watt (Soho). 18 May 1793.  
*Docketed "Order for United Mines."*
168. Letter. Richard Michell (Carharrack) to Boulton & Watt (Soho). 2 Aug. 1793.
169. Transcript of letter. Boulton & Watt [Soho] to Joseph Beauchamp (—). 7 Aug. 1793.  
*In James Watt's hand.*
170. Transcript of letter. Thomas Michell (United Mines) to Thomas Wilson [Truro]. 17 Sep. 1793.  
*Mis-docketed as 1794. On the same sheet:*  
Transcript of memorandum. Wilson's proposal to Michell. 11 Sep. 1793.  
*Docketed "Copy of proposal for selling Chacewater engine to United Mines and their answer."*
171. Memorandum. List of the adventurers in United Mines and Ding Dong Mine. Not dated.  
*Notes residence and how and when they were served with writs.*  
*Docketed "In Chancery – Boulton & another v. Beauchamp, United Mines; same v. Oxham, Ding Dong. Names of adventurers and memoranda of service."*
172. Memorandum. Resolutions of the United Mines adventurers. 13 May 1799.  
*Sent to M. R. Boulton at Thomas Wilson's, Truro, by George Simmons.*
173. Letter. Richard Michell (United Mines) to M. R. Boulton (at Thomas Wilson's, Truro). 12 Sep. 1799.  
*Docketed "Stating the situation of the United Mines engines and wishing to know if Boulton & Watt would undertake to furnish nozzles for the double 63 inch."*
174. Letter. Richard Michell (Carharrack) to M. R. Boulton (at Thomas Wilson's, Truro). 19 Sep. 1799.  
*On the same sheet:*  
Sketch. Nozzle flanch and holes.  
*Docketed "United Mines, order for double nozzles etc."*
175. Letter. Richard Michell (Carharrack) to M. R. Boulton (Soho). 4 Mar. 1800.  
*Docketed "Enquiry after nozzles for United Mines. Ill success of Hornblower's drum engine."*
176. Letter. Richard Michell (Carharrack) to M. R. Boulton (Soho). 30 Jun. 1800.  
*Docketed "Wanting estimates of 12 and 16 inch winding engine."*
177. Letter. Richard Michell (Carharrack) to M. R. Boulton (at Thomas Wilson's, Truro). 11 Sep. 1800.  
*Docketed "Whim engine wanted by Adventurers in United Mines. Particulars of the work for which it is wanted and account of the present winding engine."*
- 178a. Letter. Richard Michell (Carharrack) to M. R. Boulton (at Thomas Wilson's, Truro). 24 Sep. 1800.  
*Enclosing a drawing which is now wanting. Kept with (b) below.*  
*Docketed "Particulars of the whim engine wanted at United Mines, and R. Boulton's to G. Watt of 26 Sep. 1800."*
- b. Letter. M. R. Boulton (Truro) to Gregory Watt (Soho). 26 Sep. 1800.  
*On the same sheet:*  
Transcripts of extracts of Richard Michell's letters of 11 & 24 Sep.

- 179a.** Letter. M. R. Boulton (Truro) to James Watt Jr. (Soho). 31 Oct. 1800.  
*Enclosing (b) below. On the same sheet:*  
Letter. Thomas & Richard Michell (United Mines) to M. R. Boulton. 28 Oct. 1800.  
*Docketed "Confirmation of the order from United Mines. Letter of explanation from R. B."*
- b.** Letter. Richard Michell (Carharrack) to M. R. Boulton [at Thomas Wilson's, Truro]. 21 Oct. 1800.
- 180.** Letter. Richard Michell (Carharrack) to M. R. Boulton (Soho). 29 Jan. 1801.  
*Docketed "Illness. Difficulty of lengthening the ropes in the proposed plan of winding apparatus. Suggestions thereon. Proposes to place the planes without the house."*
- 181.** Letter. Richard Michell (United Mines) to Boulton Watt & Co. (Soho). 7 Apr. 1801.  
*On the same sheet:*  
Drawings. Plan and elevation of shaft and planes for winding rope.  
*Docketed "Agrees to the length of shaft. Still adheres to the kerf or groove for the rope to be lengthened and put in by. Proposes shrouding for the ends of the shafts."*
- 182.** Letter. Richard Michell (United Mines) to John Southern (Soho). 23 May 1801.  
*On the same sheet:*  
Pen and wash drawing. Steam pipe for United Mines.  
*Docketed "Orders steam pipes – per sketch."*
- 183.** Letter. Richard Michell (United Mines) to Thomas Hutton (Soho). 25 Aug. 1801.  
*Docketed "Wants instructions about cement. 2<sup>nd</sup> parcel goods not arrived."*
- 184.** Letter. Richard Michell (United Mines) to Thomas Hutton [Soho]. 7 Oct. 1801.  
*Docketed "Goods for United Mines are arrived, some broken."*

**Nos. 185-191. Wheal Abraham.**

- 185.** Transcript of letter. M. R. Boulton (Camborne) to Andrew Vivian [Camborne]. 15 Jun. 1799.  
*Docketed "Desiring an immediate answer respecting the proposal made to the Wheal Abraham adventurers."*
- 186.** Letter. Andrew Vivian (Camborne) to M. R. Boulton (Truro). 16 Jun. 1799.  
*Docketed "Reasons assigned by the Wheal Abraham adventurers for not paying the full premium. Readiness to pay by the agreement. Copy of an answer [wanting]."*
- 187.** Letter. John Trevenen (Helston) to M. R. Boulton (Truro). 10 Aug. 1799.  
*Docketed "Informing of his appointment to settle with Boulton & Watt on behalf of Wheal Abraham adventurers."*
- 188.** Letter. John Trevenen (Helston) to M. R. Boulton (Truro). 12 Aug. 1799.  
*Docketed "Expects Boulton & Watt's terms will be accepted. Begs for an extension of the time of payment."*
- 189.** Letter. John Trevenen (Helston) to M. R. Boulton (Truro). 14 Aug. 1799.  
*Docketed "Notifying the acquiescence of the Wheal Abraham adventurers to our proposals. Requests a prolongation of the proposed installment [?] on account of the heavy loss sustained by the adventurers."*

**190.** Letter. Andrew Vivian (Camborne) to M. R. Boulton (Truro). 24 Aug. 1799.  
*Docketed "Appointment to deliver the bills in payment of Wheal Abraham premium."*

**191.** Memorandum. List of the Wheal Adventurers. Not dated.

**No. 192. *Wheal Butson.***

**192.** Memorandum. Experiment made with Wheal Butson engine. 15 & 16 Sep. 1792.  
*Signed by Capt. Joseph Buzza, William Murdock and Edward Rogers on 21 Sep.*

**Nos. 193-202. *Wheal Chance***

**193.** Calculations. Wheal Chance old and new engines, Ting Tang engine. Not dated.  
*In James Watt's hand.*

**194.** Letter. John Stackhouse for Rosekere Adventurers, John Tregellars for Wheal Chance adventurers, William Harris for Wheal Gerry adventurers (Camborne) to Boulton & Watt (Birmingham). 11 Jan. 1779.

*On the same sheet:*

Memorandum. Sundry articles to be provided by Messrs Boulton & Watt for Wheal Chance engine.

*Docketed "Wheal Chance. Order."*

**195.** Letter. John Stackhouse (Pendarves) to Boulton & Watt (Soho). 6 Sep. 1779.  
*Docketed "Wheal Chance."*

**196.** Memorandum. Table comparing a common engine with the engine lately erected at Wheal Chance. [Circa 1780.]  
*The table originally accompanied the agreement for the engine, which is now wanting.*

**197a.** Memorandum. Queries and points about the Poldice engines' performance etc. used for c

*Points about using the Poldice engines as a standard for the calculation of consumption.*

**b.** Press copy of the above memorandum. 2 sheets.

**198.** Memorandum. Copy of a Calculation delivered by Capt. Martin Stephens at Camborne. 27 Sep. 1780.  
*Marked "Wheal Chance."*

**199.** Calculation about Wheal Chance, sent to Mr. Edwards. Oct. —. [Circa 1780?]  
*In Matthew Boulton's hand.*  
*Comparison between their new and old engines.*

**200a.** Memorandum. Calculations relative to Wheal Chance. Oct. 1780. 4 sheets.  
*In Matthew Boulton's hand. Kept with (b) and (c) below.*  
*In two parts. The first part is titled "Demonstration of the principles upon which the Tables for comparing Boulton & Watt's engines with common ones are founded." The second part relates to Wheal Chance and its comparison with Poldice.*



- b. Memorandum. Calculations relative to Wheal Chance. 3 sheets.  
*Copy/version of the second part of the above memorandum.*  
*Docketed "B" and "& performance of sundry engines in Cornwall."*
- c. Memorandum. Calculations relative to Wheal Chance. 2 sheets.  
*In Thomas Wilson's hand? Copy of the first pages of the second part of (a) above.*
- 201. Transcript of memorandum. Valuation of the Materials of Wheal Chance engine. 13 Jul. 1784.  
*In Thomas Wilson's hand. Original signed by Thomas Gundry, Richard Trevithick and Tristram Powning. Valuation of an engine with a 52 inch cylinder bought from Ting Tang.*
- 202. Transcript of memorandum. Resolutions made at a meeting of the Proprietors of Chacewater and Wheal Chance. York, 24 & 25 Jul. 1784.

**Nos. 203-210. Wheal Crenver.**

- 203. Letter. William Harris (Rosewarne) to Boulton & Watt [Soho]. 25 Jul. 1786.
- 204. Transcript of letter. John Thomas (Chyverton) to Matthew Boulton [Soho]. 4 Aug. 1789.
- 205. Letter. John Thomas (Chyverton) to Boulton & Watt (Soho). 11 May 1791.
- 206. Letter. John Thomas (Chyverton) to Matthew Boulton (Soho). 26 Feb. 1792.
- 207. Letter. John Thomas (Chyverton) to Matthew Boulton (Soho). 5 May 1797.
- 208. Memorandum. State of Wheal Crenver account. 1 Nov. 1798.
- 209. Memorandum. John Williams (Chancery Lane, London) to Master Sargeant — Williams [London]. 13 Apr. 1799.  
*Titled "Wheal Crenver." Asking Sargeant Williams to review documents etc. for the case of Boulton & Watt v. Richards.*
- 210. Letter. John Thomas (Chyverton) to M. R. Boulton (at Mr. Wilson's, Truro). "Monday Evening" [May 1799].  
*Docketed "Intimation of communication which he has to make respecting Wheal Crenver and other mines."*

**Nos. 211-213. Wheal Gons.**

- 211. Memorandum. A List of Wheal Gons adventurers. Not dated.
- 212. Letter. Andrew Vivian (Wheal Gons) to M. R. Boulton (Mr. Wilson's, Truro). 1 Jun. 1799.  
*Docketed "Appointment respecting Wheal Treasure and Wheal Gons."*
- 213. Letter. William Reynolds (Pool) to M. R. Boulton (Mr. Wilson's, Truro). 20 Jun. 1799.  
*Docketed "Enclosing extract of a letter from Mr. Charles Rashleigh [within the text] respecting the terms proposed for Wheal Gons mine."*

**No. 214. *Wheal Mount.***

214. Memorandum. Agreement with Mr. Gullett for Wheal Mount. 13 Sep. 1787.  
*Agreement between Thomas Wilson and William Murdock for themselves and Boulton & Watt and Christopher Gullett for sale of the Wheal Mount engine to Gullett. Signed by Gullett, Wilson and Murdock.*

**Nos. 215-26. *Wheal Prosper.***

215. Sketch. Wheal Prosper shafts. Not dated.
216. Memorandum. Particulars of Wheal Prosper and adjoining mines delivered by Mr. Daubez. Aug. 1799.

**No. 217. *Wheal Rose.***

217. Letter. John Michell (Helston) to John Edwards (Truro). 27 May 1799.  
*Docketed by M. R. Boulton.*  
*Docketed "R. Michell, Purser of Wheal Rose. The determination of the Adventurers not to comply with Boulton & Watt's demands."*

**Nos. 218-224. *Wheal Treasury.***

218. Letter. William Richards (Halgarrack) to James Watt [Chacewater]. 17 Dec. 1779.  
*Docketed "Wheal Treasury."*
219. Memorandum. Calculation respecting a new Engine proposed for Wheal Treasury Mine deduced from the two Eastern Engines at Poldice. [Circa 1780?]  
*In Matthew Boulton's hand.*
220. Transcript of letter. James Watt (Chacewater) to Richard Johns (Helston). 10 Feb. 1780.  
*Docketed "Wheal Treasury. Copy letter to Mr. Johns, Attorney."*
221. Letter. Richard Johns (Helston) to James Watt [Chacewater]. 14 Feb. 1780.  
*Docketed "About Wheal Treasury article."*
222. Letter. William Richards (Halgarrack) to James Watt [Birmingham]. 8 Jun. 1780.  
*Docketed "Wheal Treasury."*
223. Memorandum. Names of the mines from which Capt. Andrew Vivian and Richard Trevithick had powers to treat. [1799?]
224. Memorandum. List of Wheal Treasure adventurers. [1799?]  
*Marked "Not complete."*

**Nos. 225-227. *Wheal Union.***

225. Copy of memorandum. Proposals for setting to work and carrying on the several mines of North Downs, Wheal Fortune, Wheal Messa, Wheal Rose and part of Truan, in one united set. 20 Sep. 1779.

- 226.** Memorandum. Propositions to Wheal Union proprietors, when met at Camborne. Not dated.  
*In James Watt's hand. The back of the sheet has been used for calculations.*
- 227.** Letter. John Edwards (Hayle Copper House) to Boulton & Watt (6 Green Lettice Lane, London). 15 May 1780.