

MS 3147/3/466—470
CORNISH MINES & ENGINES
BOOKS & TABLES OF PERFORMANCE OF CORNISH ENGINES; PLANS OF
WHEAL VIRGIN
1779—1805

- 466.** Volume. Monthly Accounts of Cornish Engines. 1779—1794. 229 pages used.
Indexed. A large volume giving performance details of Cornish engines such as the amount of fuel saved, load lifted, Boulton & Watt's premium etc. This book consists of printed tables to which the figures and calculations have been added by hand.
- 467.** Volume. Performance of Cornish Engines. 1781—1782. 81 folios.
Cover missing. It may have originally been titled "Engine Calculation." Hand-written tables of the performance of the Ale & Cakes, Poldory, Tresavean, Dolcoath, Wheal Chance, Wheal Treasury, Pool, Tingtang, Chacewater, Wheal Union, Kestell Adit, Wheal Crenver, Trevascus, Hallamanin, Scorrier, and Wheal Virgin (St. Hilary) engines. The back page contains a list of engines.
- 468.** Volume. Engine Calculation. 1783—1791.
This notebook follows on from the one above, but the tables are slightly more detailed. Tables of performance of Dolcoath, Wheal Virgin Eastern, Poldice Eastern, Poldice New, Ale & Cakes, Briggan, Wheal Hawk, Wheal Maid New Double and Polgooth Old engines. The front contains a list of 34 various mine engines, and there are some notes in Matthew Boulton's hand at the back.
- 469.** Tables. Performance of various Cornish engines. Jan. 1781—Jul. 1782. 7 sheets.
Hand-written tables giving details of the construction of the engine, stroke, coal consumption, savings, water raised etc. Data for Ale & Cakes, Dolcoath (Jul. 1781—Jul 1782 missing), Poldory and Tresavean engines.
- 470.** Tables. Data on construction, dimensions etc. of the boiler of various Cornish engines. Not dated. 12 pages.
- 471.** Volume. "Wheal Virgin Plans". [Circa 1780—1790.]
Slim book containing pen, ink and wash plans of Consolidated Mines. In the front have been fixed the following drawings:
Sketch of Dolcoath mine shafts.
Drawing of Wheal Chance delivered by Mr. Harris.

The plans are very similar to those in MS 1381. A memorandum listing the contents and giving the title as "Wheal Virgin Plans" will be found in Matthew Boulton Papers (Matthew Boulton, Special Subject Files, Cornish Mines). The two items fixed in the front were probably removed from the bundles of Cornish Mine papers.

MS 3147/3/472
ALBION MILL
CORRESPONDENCE & PAPERS
1782—1789

INTRODUCTION

The contents of this large bundle were described on an original wrapper, which was found in Box 36/2. The material had been split up at some point, with items from 1782 to 1786 being placed in Box 36/1, and items from 1787 to 1789 being placed in Box 36/2. The General and Quarterly accounts were also removed, and placed in Box 36/6. The discovery of the wrapper enabled the contents to be re-united. The bundle is now divided as follows:

- No. 1. Bundle wrapper.
- Nos. 2-62. Correspondence.
- Nos. 63-79. Quarterly, General and Other Accounts.
- No. 80. Calculation of Profit and Produce.
- Nos. 81-85. Sundry Memorandums.

1. Bundle wrapper.
Marked "Albion Mill letters & accounts up to 1789.
Mr. Wyatt's letters
Mr. Call's ditto.
Quarterly Accounts.
General ditto.
State of the Accounts for B&W.
Mr. Rennie's Accounts & Letters.
Calculation of Profit & Produce.
Sundry Memorandums."

Nos. 2-62. Correspondence.

2. Memorandum. Mr. Wyatt's Calculation of a plan for erecting a Corn Mill. Not dated.
Docketed "Suppose 1782."
3. Letter. Samuel Wyatt (London) to Matthew Boulton (Soho). 4 Dec. 1782.
4. Letter. Samuel Wyatt (London) to Matthew Boulton (Soho). 6 Dec. 1782.
5. Letter. Samuel Wyatt (Berwick St., London) to James Watt (Soho). 12 Dec. 1782.
Docketed "Account of malt to be... and ..." [Part of the docket is in shorthand.]
6. Letter. Samuel Wyatt (London) to Matthew Boulton (at — near Truro). 12 Dec. 1782.
The sheet has been used for calculations. Docketed as 10 Dec.
7. Letter. Samuel Wyatt (London) to Matthew Boulton [Soho]. 18 Jan. 1783.
Letter continued on 19 Jan. Not docketed.
8. Letter. Samuel Wyatt (London) to James Watt [Birmingham]. 4 Feb. 1783.

9. Letter. William Curtis & Samuel Wyatt (London) to Boulton & Watt [Soho]. 19 Jul. 1783.
Docketed "Ordering Blackfriars engine No. 1."
10. Letter. Samuel Wyatt (London) to James Watt (Birmingham). 25 Aug. 1783.
Docketed "Size and number of millstones."
11. Letter. Samuel Wyatt (London) to James Watt [Birmingham]. 2 Nov. 1783.
12. Letter. Samuel Wyatt (London) to Matthew Boulton (Soho). 10 Dec. 1783.
13. Letter. Samuel Wyatt (London) to James Watt [Birmingham]. 28 Jan. 1784.
14. Letter. Samuel Wyatt (London) to Boulton & Watt (Birmingham). 31 May 1784.
- 15a. Letter. Samuel Wyatt (London) to Matthew Boulton [Soho]. 8 Jun. 1784.
Enclosing (b) below.
- b. Letter. Samuel Wyatt (London) to James Watt (Birmingham). 8 Jun. 1784.
16. Letter. John Frere, Joah Bates, William Matthews, Samuel Wyatt (Green Lettice Lane, London) to James Watt (Birmingham). 30 Jul. 1784.
Docketed as the Albion Mill Co.
17. Letter. Samuel Wyatt (London) to James Watt [Birmingham]. 31 Aug. 1784.
18. Letter. Joah Bates (Victualling Office, London) to James Watt [Birmingham]. 6 Sep. 1784.
19. Letter. Samuel Wyatt (London) to James Watt (Birmingham). 4 Nov. 1784.
20. Letter. Samuel Wyatt (London) to James Watt (Birmingham). 31 Jan. 1785.
Docketed "About draughtsman."
- 21a. Letter. Samuel Wyatt (London) to Matthew Boulton [Soho]. 22 Apr. 1785.
Enclosing (b) below.
Docketed "With state of Albion Mill account."
- b. Account. The Albion Mill Company in Account with Sam^l Wyatt stated up to Apr. 16 1785.
22. Letter. Samuel Wyatt (London) to James Watt (Birmingham). 19 May 1785.
23. Letter. Samuel Wyatt (Tatton Park) to James Watt [Birmingham]. 20 Dec. 1785.
24. Letter. Samuel Wyatt (Winnington) to James Watt [Birmingham]. 27 Dec. 1785.
25. Letter. Samuel Wyatt (London) to James Watt (Birmingham). 9 Feb. 1786.
26. Letter. James Webb (—) to James Watt [?] [Birmingham]. 24 Mar. 1786.
Docketed "James Webb, Miller, 24 Mar. 1785."
27. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 16 May 1786.
28. Letter. Samuel Wyatt (Albion Mill) to Boulton & Watt (Soho). 25 May 1786.
29. Letter. Samuel Wyatt (London) to James Watt (Birmingham). 26 May 1786.

30. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 4 Jul. 1786.
Docketed "Breaking of the connecting rod."
31. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 12 Jul. 1786.
Docketed "Mending connecting rod."
32. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 21 Jul. 1786.
Docketed "Loose gudgeon."
33. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 25 Jul. 1786.
34. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 27 Jul. 1786.
35. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 29 Jul. 1786.
36. Letter. Samuel Wyatt (Albion Mill) to James Watt [Birmingham]. 11 Sep. 1786.
37. Letter. Samuel Wyatt (Albion Mill) to James Watt [Birmingham]. 25 Sep. 1786.
38. Letter. John Elliot (Albion Mill) to James Watt [Birmingham]. 30 Sep. 1786.
39. Letter. Samuel Wyatt (Albion Mill) to James Watt [Birmingham]. 3 Oct. 1786.
40. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 17 Feb. 1787.
41. Letter. Samuel Wyatt (London) to James Watt [Birmingham]. 17 Apr. 1787.
Docketed "With plan of house."
42. Letter. Samuel Wyatt (Albion Mill) to James Watt [Birmingham]. 25 Apr. 1787.
43. Letter. Matthew Boulton [London] to James Watt [Birmingham]. 9 Jun. 1787.
On the same sheet:
Memorandum. Resolution of the Albion Mill Co. 9 Jun. 1787.
Docketed "Albion Mill Co. About new engine."
44. Letter. Samuel Wyatt (Albion Mill) to James Watt [Birmingham]. 20 Jun. 1787.
45. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 30 Jul. 1787.
46. Letter. John Call (Old Burlington St., London) to James Watt [London]. 6 Sep. 1787.
47. Letter. Samuel Wyatt (Albion Mill) to James Watt [Birmingham]. 8 Oct. 1787.
Docketed "Sale 3000 sacks to the Victualling Office."
48. Letter. John Call [London] to James Watt (Birmingham). 11 Oct. 1787.
49. Letter. John Call (Bond St., London) to James Watt (Soho). 17 Oct. 1787.
50. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 19 Oct. 1787.
- 51a. Letter. John Rennie (New Surrey St., London) to The Albion Mill Co. [London]. 2 Jul. 1788.
Enclosing (b) below. The outside is marked "No. 5."
Docketed "Letter and account."

- b. Account. The Albion Mill Co. in account with John Rennie. 1785—1788.
52. Letter. William D. Brown (Prices St., Gravel Lane, Southwark) to Matthew Boulton (Soho). 6 Jul. 1788.
- 53a. Letter. William D. Brown (4 Prices St., Gravel Lane, Southwark) to Matthew Boulton (Soho). 20 Jul. 1788.
Enclosing (b) below. On the same sheet:
Account. The cost of a load of wheat ground at the Albion Mill in comparison with a Miller grinding his own wheat.
- b. Account. Expenses of two engines at the Albion Mill.
Titled "The Albion Mill, with 2 Engines at work will according to what has been done thereat by one Engine, manufacture about 75,000 quarters of wheat per annum."
54. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 12 Jan. 1789.
55. Letter. Samuel Wyatt (Albion Mill) to James Watt [Birmingham]. 10 Feb. 1789.
Docketed "Reception of mine about leaving the Albion Mill Co."
56. Letter. William D. Brown (4 Prices St., Gravel Lane, Southwark) to Matthew Boulton [Soho]. 17 Feb. 1789.
Docketed "Estimate of profits on Albion Mill."
57. Letter. Samuel Wyatt (Albion Mill) to James Watt [Birmingham]. 17 Feb. 1789.
Docketed "Respecting the relinquishment of Boulton & Watt's shares in Albion Mill."
58. Letter. Samuel Wyatt (Albion Mill) to James Watt [Birmingham]. 26 Feb. 1789.
59. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 28 Apr. 1789.
60. Letter. Samuel Wyatt [Albion Mill] to Boulton & Watt [Soho]. 5 May 1789.
Not dated – date taken from the docket.
Docketed "Company's excusing us from every part of Mr. Matthews' share."
61. Letter. Samuel Wyatt [Albion Mill] to James Watt [Birmingham]. 28 Nov. 1789.
Not dated – date taken from the docket.
Docketed "With accounts."
62. Letter. Samuel Wyatt (Albion Mill) to James Watt (Birmingham). 30 Nov. 1789.

Nos. 63-79. Quarterly, General and Other Accounts.

63. Account. State of the Account for Building the Albion Mill to Jany. 14th 1786 including the Engine, Mill Work etc. 14 Jan. 1786.
64. Account. The Trade & Manufacture of Albion Mill. 25 Mar.—23 Jul. 1787.
Quarterly Accounts.
65. Account. The Albion Mill Quarterly Account. 29 Dec. 1787—22 Mar. 1788.
66. Account. The Albion Mill Co. Quarterly Account. 22 Mar.—21 Jun. 1788.

67. Account. The Albion Mill Co. Quarterly Account ending 3 Jan. 1789.
In William D. Brown's hand? Marked "Copy."
68. Account. The Albion Mill Quarterly Account. 3 Jan.—11 Apr. 1789.
69. Account. The Albion Mill Co. Quarterly Account. 13 Apr.—11 Jul. 1789.
- 70a. Account. The Albion Mill Co. Quarterly Account. 11 Jul.—3 Oct. 1789.
Kept with (b) below.
- b. Account. The Albion Mill Co. Quarterly Account. 11 Jul.—3 Oct. 1789.
Docketed "G. M. [George Mynd?]" With some slight differences to (a) above.

General Accounts.

71. Account. The Albion Mill General Account. 22 Mar. 1788.
72. Account. The Albion Mill Co. General Account. 21 Jun. 1788.
73. Account. The Albion Mill Co. General Account. 11 Apr. 1789.
74. Account. The Albion Mill Co. General Account. 11 Jul. 1789.
- 75a. Account. The Albion Mill Co. General Account. 3 Oct. 1789.
Kept with (b) and (c) below.
- b. Account. The Albion Mill Co. General Account. 3 Oct. 1789.
Docketed by James Watt. Docketed "G. M. [George Mynd?]" With some slight differences to the above account.
- c. Account. The Albion Mill Co. General Account. 3 Oct. 1789.
Docketed by James Pearson. With some slight differences to (a).
76. Account. The Albion Mill Co. General Account. 31 Oct. 1789.
On the same sheet:
Account. The Albion Mill Co. Quarterly Account. 31 Oct. 1789.

Other Accounts.

77. Account. Albion Mill Stock taken 11 Jul. 1789.
78. Account. Albion Mill Stock taken 30 Oct. 1789.
Docketed "Stock account Oct. 31 1789."
79. Calculations & Notes. Observations on Accounts. 2 Dec. 1789.
In James Watt's hand.

No. 80. Calculation of Profit & Produce.

80. Memorandum. Comparative costs of running the Albion Mill for manufacture only and as traders. Feb. 1789.
In William D. Brown's hand.

Nos. 81-85. Sundry Memorandums.

- 81.** Memorandum. Books necessary to be had for the purpose of Keeping the Albion Mill concerns in proper order. 28 Feb. 1786.
In William D. Brown's hand.
- 82.** Memorandum. Account of frictions of Albion Mill. — Apr. 1786.
Account of experiments on the engine.
- 83.** Memorandum. John Rennie's account of experiment on Albion Mill. 29 Apr. 1786.
- 84.** Memorandum. Trial on 1500 lbs. weight of wheat. 17 Jul. 1787.
- 85.** Memorandum. Resolutions of the Albion Mill Co. 16 Feb. 1788.
In Matthew Boulton's hand.