INTRODUCTION

Letters from the Dutch engineer John Daniel Huichelbos van Liender, from 1775 to 1794. Van Liender’s correspondence was kept in three large bundles, this being the first. The bundle wrapper is marked as covering the years 1775 to 1795, but no letters from 1795 have been found. Van Liender addressed many of his letters in the following manner: “James Watt, at Birmingham, care of Mrs. Matthews, London”. The London part of the direction is usually crossed out. These letters were received by Charlotte Matthews at 6 Green Lettice Lane in London and sent on to Birmingham.

1. Bundle wrapper.
   Marked “J. D. H. van Liender 1775—1795.”

2a. Letter. John Enslie (Rotterdam) to James Watt (Glasgow). 11 May 1775.
   Enclosing (b) and (c) below.

b. Letter. J. D. H. van Liender (Rotterdam) to James Watt (Glasgow). 11 May 1775.

c. Sketch. Boiler of atmospheric engine ordered for Rotterdam.

   Docketed as 11 May. The sheet has been used for calculations.


   Docketed “Explanation of proposals.”


   Docketed as 4 Oct.

10. Letter. J. D. H. van Liender (Rotterdam) to James Watt (Birmingham). 29 Nov. 1785.


   Docketed as 30 Jan.
   *Docketed as 13 Mar.*  
   *Docketed “Covering patent.”*


    *On the same sheet:*  


    *Addressed to Watt as “Corresponding Member of the Batavian Society.”*

    *Docketed as 9 Oct.*


27a. Letter. J. D. H. van Liender (Rotterdam) to James Watt (Birmingham). 8 Nov. 1787.  
    *Kept with (b) below: On the same sheet:*  
    Note by Malcolm Logan on the expense of his passage to Rotterdam and back.  
    *Docketed “By Malcolm Logan.”*

       *In James Pearson’s hand.*  
       *Account of expenses of Logan’s journey to and time in Rotterdam.*


    *Docketed “About lodgings.”*

    *Docketed “About giving up his lodgings.”*

Docketed “Mydrecht.”

On the first sheet: 
Docketed “Mydrecht.”

Docketed “Mydrecht.”


Docketed “Not fully answered.”

On the same sheet: 
Transcript of letter. J. D. H. van Liender (Paris) to James Watt. 15 Nov. 1790.

Docketed as Mydrecht.


41. Letter. J. D. H. van Liender (Versailles) to James Watt (Birmingham). 16 May 1791. 
Docketed as MDT [Mydrecht].

On the same sheet: 
Sketch. Plan of the Mydrecht engine. 
Docketed “MDT cistern etc.”

Docketed as Mydrecht.

44. Letter. J. D. H. van Liender (Versailles) to James Watt (Birmingham). 28 Aug. 1791. 
Re-directed to Heathfield. On the same sheet: 
Transcript of letter. J. D. H. van Liender (Paris) to James Watt. 10 Jul. 1791.

45. Letter. J. D. H. van Liender (Rotterdam) to James Watt (Birmingham). 18 Oct. 1791.

46. Letter. J. D. H. van Liender (Rotterdam) to James Watt (Handsworth). 15 Nov. 1791.

47. Letter. J. D. H. van Liender (Rotterdam) to James Watt (Birmingham). 12 Jun. 1792.

Re-directed to 6 Green Lettice Lane. Enclosing (b) below.
b. Printed circular. Programma van het Bataafsch Gentootschap der proefondervindelyke wysbegeerte te Rotterdam. 1792.
Programme of the Batavian Society.

On the same sheet:
Table of heights of water, engine house, foundations etc. of the Mydrecht engine.

50. Letter. J. D. H. van Liender (Rotterdam) to James Watt (Birmingham). 13 Nov. 1792.


52. Letter. J. D. H. van Liender (Rotterdam) to James Watt (Birmingham). 18 Dec. 1792.
Mis-docketed as Nov. Docket covers this and the above letter of 11 Dec. Forwarded to Heathfield, then passed to James Pearson.


Forwarded to Heathfield.

Docketed "Arrival of Smallman."

Docketed as 25 Jan.
Docketed "With remittance."

59. Letter. J. D. H. van Liender (Rotterdam) to James Watt (Birmingham). 6 May 1794.
Docketed "With remittance and statement of account. Performance of Mydrecht engine."

60. Letter. J. D. H. van Liender (Thamen) to Boulton & Watt (Soho). 4 Sep. 1794.
On the same sheet:
Transcript of letter. J. D. H. van Liender (Thamen) to James Watt. 31 Jul. 1794.

Docketed "Smallman."

Docketed "About Smallman."

Docketed "Probability of Smallman being gone to America."
INTRODUCTION

Letters from the Dutch engineer John Daniel Huichelbos van Liender, from 1797 to 1801. Van Liender’s correspondence was kept in three large bundles, this being the second. The subjects covered include various engines for Holland, and the replacement of the wooden parts of windmills with iron ones.

1. Bundle wrapper.
   Marked “J. D. H. van Liender 1797—1801. 4 horse, Rotterdam. 30¾ / 6 double, Blanken. Iron machinery for the Niewkoop windmill.”

2. Memorandum. Dates of Documents & Correspondence with van Liender respecting the substitution of iron in the Dutch Windmills. 1797—1801.
   Docketed “Reference to correspondence with Mr. van Liender respecting the Windmills of Niewkoop and Zevenhofen.”


   On the same sheet:
   Docketed “Orders a 4 horse engine. Suggests the substitution of iron for wood in the Dutch windmills.”

b. Receipt. For van Liender’s payment for a new map of Warwickshire. 3 Oct. 1789.
   Signed by Mr. Wood for Mr. Sharp.

5. Letter. J. D. H. van Liender (Rotterdam) to James Watt (Birmingham). 5 Nov. 1797.
   Docketed “Wishes answer to his last and drawings of the engine ordered.”

   Docketed “Copy of B&W’s letter to Mr. van Liender which they call our First Memorial.”

   Docketed “Position and other particulars respecting his engine. Determination to employ iron mill work in their mill – some queries upon that subject and promises of further information for our government.”

   Letter passed to John Southern.
   Docketed “Confirming his order for rotative shaft.”
Docketed “Upon the mode of forwarding the materials of the little engine. Is no longer in the Commission for the drainage of Niewkoop. The consideration of that affair to be postponed.”

Docketed “8 May 1798. Duplicate of 12 Mar. With Mr. Martin’s advice of forwarding ours of 28th May.”

Docketed “Mentions receiving 4 letters from Boulton & Watt and recapitulates their contents. The engine arrived – box not. Remits the sum due to Boulton & Watt.”

Docketed “Has heard of the drawings etc. The progress of steam engines retarded by the state of things in Holland and the price of coals. Praises of the new constitution. Beneficial effects which will probably result from it.”

Enclosing (b) below.
Docketed “Small engine not quite completed. Enclosing remarks upon cast iron windmills. Wants drawings of their construction.”


14a. Letter. J. D. H. van Liender (Rotterdam) to Boulton & Watt (Soho). 18 May 1799.
Enclosing (b) below. On the same sheet:
Docketed “Receipt of drawings of little engine. Difficulty of setting it to work. Answer of the Directors of the Drainage to our remarks on the substitution of iron in windmills. Money advanced to Mrs. Swellingrebel and death of that lady. Progress made by the Mydrecht engine. Wants explanation of large copying machine.”


Docketed “Complains of having received no answer. Improvements made in pump work. New engines likely to be wanted. Wants one of us to meet him at Hamburg. Small engine doing pretty well.”

Docketed “Inclosed in our letter to van Liender of 28 Oct. 1799.”
Enclosing (b) below.
Docketed “Congratulates on law victory. Wishes estimates of small engines. Are satisfied with the explanations of iron parts in windmills. Has sent by some person a scantling of timber etc. wanted in a windmill. Orders a cast iron bak [trough] – to send by Embden.”

b. Pen & wash plan & section of the cast iron bak.

Enclosing (b) below.

b. Pen & wash plan & section of the cast iron bak.

Docketed “With drawing of windmills and order for iron work.”

Docketed “Has sent some drawings by a vessel to London.”

On the same sheet:
Docketed “Order for iron machinery for new mills. Wishes further advice about the great axis. Refers to the channel by which his former letter and drawings were sent. Wishes the trough had been sent to London. Causes of failure of Mydrecht engine.”

Enclosing (b) below.
Docketed “With duplicate of the memorial of 15 Mar. and references to his former letters.”

b. Memorandum (in French). Mr. Bruning’s memorial on iron windmills. 15 Mar. 1800. 2 sheets.
Docketed “Containing the order for the iron work for one windmill.”

Docketed “Wishes the trough to be sent direct to Holland.”

Docketed “Agrees to the delay in furnishing the windmill castings. Has forwarded the trough from Embden. Journey to Hamburg and proposal to meet him there. Engine wanted before the end of the year.”

On the same sheet:
Transcript of letter. J. D. H. van Liender (Hamburg) to Boulton & Watt (Soho). 7 Jul. 1800.
Docketed “With duplicate of his letter of 7th July 1800 and drawing of Mr. Blanken’s proposed engine and pumps.”

Docketed “Earnestly soliciting an answer to his letter of July. Agrees to the great axis of the windmill being made of iron.”
   The address and docket are on a separate wrapper.  
   Docketed “Regret at our not being able to meet him at Hamburg. His motives for going  
   thither. Advantages of Mr. Blanken’s proposed construction of engine. Supposes we are  
   going on with the engine. Account of engines erected in Germany.”

   Docketed “Description of a steam engine at Salza near Magdeburg. Account of engines  
   made in Silesia. Return to Rotterdam. Order for new engine.”

   Docketed “Remits £90 for trough. Complains of its expense. Enquiry about Cartwright.”

   Docketed “Has received ours of 30 Sep. and will transmit the resolution of the  
   Commission.”

   Docketed “Order for Blanken’s engine. Farther complaint of the expense of trough.”

   On the same sheet:  
   Transcript of letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 31  
   Oct. 1800.  
   Docketed “Encloses copy of his letter of 31 Oct. Not quite satisfied about the expense of  
   trough. Inferiority of German foundries. Sends a drawing from Mr. Blanken.”

   Docketed “Has received our letter of 28\textsuperscript{th} Nov. and drawings of the engine. Accepts our  
   terms for a 30\textfrac{3}{4} inch cylinder. Enquiry about the trough and state of castings for  
   Nieuwkoop drainage. New copper boiler wanted for Mydrecht.”

34a. Memorandum. A list of Steam Engine Materials which were sent from Soho on 15 May  
     1801.  
     Kept with (b) below.  
     Docketed “List of materials for Mr. Blanken’s engine.”

b. Transcript of letter. Thomas Hutton for Boulton Watt & Co. (Soho) to Parkes & Co.  
   [Birmingham]. 5 May 1801.  
   On the same sheet is a list of the items being forwarded.

35. Memorandum. A list of materials for the Wind Mills of Nieuwkoop & Zevenhofen  
     forwarded from Soho on 16 May 1801.

   Docketed “Have received engine materials. Want pumps. Weight of windmills castings  
   much exceeds his expectations. Prefers a copper boiler for Mydrecht engine.”

   Docketed “Remittance on account £200. Has received the drawings and instructions, the  
   latter so much mutilated as to be illegible.”
Enclosing (b) below. On the same sheet:
Docketed “Enclosing duplicate bill of exchange and copy of his former letter. Busy erecting the engine. The instructions and drawings of his engine much injured in the carriage.”

Passed by Coysgarne & Lloyd to van Liender, and by him to Boulton Watt & Co.

Docketed “Remittance of £322.7.5.”

Docketed “Remittance of £927.14.11. Wants a cast iron pot for melting lead and information about the boiler for Mydrecht engine. 7 mills going to be erected to assist in the drainage of Mydrecht.”

Docketed “Remittance of £200. Receipt of our letter of the 31 Aug.”

42. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 24 Sep. 1801.
The docket is on a separate wrapper. On the same sheet:
Transcript of letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 19 Sep. 1801.
Docketed “Copy of his last letter of the 19th inst. Enclosing sundry duplicates of his remittances. Surprised to find we had ordered a copper boiler without further instruction. Must consult the committee before a positive order can be given for it. Defects in the present one which they have. Query if the cogs are to be made of beech. Has received particulars of the iron pumps. Wants copy of letter of 1 Jul. Contract for the new drainage mills. Approbation of our castings.”

Docketed “Receipt of our letters of 31 Aug. and 10 Sep. Wants copy of our letter of 1 Jul. Meeting of the Committee of Drainage hesitates to confirm the order for the copper boiler, till they receive answers to sundry queries.”

The docket is on a separate wrapper.
Docketed “Has procured a lead melting pot in Holland. Complaints of the charges for the millwork freight and other items. Reflections thereon and desire to have minute explanations for the satisfaction of the commission.”

45. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 3 Nov. 1801.
Docketed “Enclosing first of exchange for £70.”

46a. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 4 Nov. 1801.
Enclosing (b) below. On the same sheet:
Transcript of letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 3 Nov. 1801.
Docketed “Remits £70 in a second of exchange. Intends visiting England soon.”

47. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 12 Dec. 1801. Docketed “Has received our explanatory letter respecting the windmills. Mydrecht commissioners decline ordering the copper boiler. Wants instructions about the cogs of wheels. Wishes the weights of the cast iron machinery. Wants the prices of ship stoves.”

MS 3147/3/507
SPECIAL SUBJECTS & CORRESPONDENTS
J. D. H. VAN LIENDER
1802—1809

INTRODUCTION

Letters from the Dutch engineer John Daniel Huichelbos van Liender, from 1802 to 1809. Van Liender’s correspondence was kept in three large bundles, this being the third. The subjects covered include various engines for Holland, and payment for them, and there are also letters written during van Liender’s visit to Britain in 1802.


3. Letter. J. D. H. van Liender (Swan Inn, High St., Birmingham) to Boulton Watt & Co. (Birmingham). 19 Aug. 1802. Docketed “Notice of his arrival and requesting that his letters may be sent to him.”


6. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 2 Nov. 1802. Docketed “Supposed error in our calculations. Doubts upon some part of our statements. Suggests the application of two or more pumps.”

   On the same sheet:
   Docketed “Encloses copy of his letter of 17 Dec. Confirms the order and requests to have the drawings.”

   Docketed “His answer has been delayed by the want of the drawings. Determines upon cross-plate and pillars. Relative height of the pump etc. Will make the well longer than drawn and give good security to the foundations.”

    Docketed “Application for the price of a four horse engine on behalf of Mr. H. de Heus.”

    Docketed “Our drawing sent is perfectly correct with their intentions. Wishes answer about a 4 horse engine for a friend, Mr. de Heus.”

    Docketed “Mr. van Heus declines ordering the small engine on account of time. Proposes to execute the wrought iron work in Holland. Enquires what is meant by a horse’s power. An 8 horse engine wanted for a fulling mill near Leyden. Iron windmill not yet at work but has been turned round by hand. Mydrecht engine performs well.”

    Docketed “The Batavian Society has voted a silver medal to Mr. Southern. Progress made in the Crimenrewaerd engine house. The Nieuwkoop cast iron windmill set to work and answers perfectly. Wants estimate of three others to be erected next summer.”

    Docketed “Proposes the Crimenrewaerd engine materials to be shipped to Emden. Increased price of our castings an obstacle to the order being given for the mill work of a second windmill. Can procure them cheaper from the German foundries.”

    On the same sheet:
    Docketed “Duplicate of his letter of the 24th. Address for consignment of the engine at Emden.”

    Docketed “Remits £500 on account of Crimenrewaerd engine. Wants account of shipping charges etc.”
Enclosing (b)—(d) below. On the same sheet: 
Docketed “Duplicate of his letter of 2nd. Transmits seconds of exchange of the bills before sent.”

Passed by Grosse to Christiaan Brunting, and by Brunting to van Liender.

Passed by Coudere, D. & M. P. Brants to van Liender.

Passed by de Boer to de Heer, S. H. Rieckena [?], de Waarde, and by them to ?, and then passed to van Liender.

Docketed “Remits £504.14.6 on account of the Crimpenrewaerd engine. Will remit the balance of his private account soon. Engine arrived at Emden. Hopes to have the drawings soon as they intend immediately to go on with the erection. Mr. Boult has written satisfactorily about his lead.”

Docketed “Reference to his last letter and second of the bill enclosed. Remits balance of his private account. Enquires about a 4 horse engine. Drawings of their engine arrived safe.”

Docketed “Animadversions upon the state of public affairs. Receipt of our letter of the 18 Apr. 1804. Hopes that his of 27th same month with the seconds of bills of exchange had been received. The engine for the Crimpenrewaerd finished and gives much satisfaction. Observations of Mr. Duyster thereon. Laments the fatal consequences of the war – his friends’ intention of erecting an engine at Amsterdam suspended in consequence of it. The iron machinery for the windmill answers perfectly. Others similar making at Amsterdam. The bearer of this letter the son of his friend Mr. van Heukelom – recommends him to our notice.”

Docketed “Introducing van Heukelom.”

Docketed “Particulars of the situation of an engine proposed to be erected upon the Katwyk & Rhine Canal. Has sent a drawing of the situation etc. Also a memorial upon the Crimpenrewaerd engine by Mr. Blanken Jr. Recommends weighting the outer end of the beam. Desires to have our terms for the execution of the engine and a drawing of the house. Enquires the price of a cast iron cross for a windmill.”
23. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 11 Aug. 1806. Docketed "Refers to and recapitulates the contents of his letter of the 7 Jul. Recommends the house of Coysgarne & Lloyds to supply us with old iron."

24. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 29 Sep. 1806. Docketed "Order for the engine for the Katwyk & Rhine Canal. Will adhere to the plans and directions sent them. Wishes our advice about a debt to him by Mr. John Blunt of Liverpool."


26. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 19 Mar. 1807. Docketed "Can readily obtain the permission of his government to import the Katwyk & Rhine engine. Decrees respecting English manufactories not strictly observed. Wish to have the engine at work this summer. Orders a 14 horse engine and requests drawings. Reflections upon the foundry at Liege and the progress making abroad in manufactures."


28. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 19 May 1807. Docketed "Expects soon to hear of the Katwyk & Rhine engine having been completed. Wishes our opinion about the mode of sending it over. Wants estimate of a 12 horse engine. Imperial foundries erected at Liege with 8 steam engines."

29. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 2 Jun. 1807. On the same sheet: Transcript of letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 19 May 1807. Docketed "Duplicate of his letter of 19 May. Has obtained the King of Holland’s permission to import the Katwyk & Rhine engine, and a vessel will be sent for it to Hull."

30. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 6 Jun. 1807. Docketed "Name of the vessel and Captain now at Hull, who are to take over the Katwyk & Rhine engine. Enquires about the payment of the account owing to him by Boult & Co. of Liverpool."


32. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 17 Jun. 1807. Docketed "Surprised at the interruption in proceeding with the Katwyk & Rhine engine. Will endeavour to send a vessel to Sunderland to take in part of her cargo of coals. Determines on Plan No. 1 for the position of the 14 horse engine for his friend."
On the same sheet:
Transcripts of 3 letters, as follows:
J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 12 Jun. 1807.
Docketed “Duplicates of his letters of 6, 12 and 27 Jun.”

34. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 29 Aug. 1807.
Docketed “Arrival of the Katwyk & Rhine materials and satisfaction given by them to the Directors. Mr. J. Duyster does not fully understand the hot water pump apparatus. Receipt of drawings of 14 horse engine and progress made with the house. Will charter a vessel to take the boiler whole. Desires to have 2 dozen of best black lead pencils. Remits bills for £1270.”

Enclosing (b)—(d) below. On the same sheet:
Docketed “Encloses duplicate of his letter of 29 Aug. Sends seconds and thirds of the bills then remitted. Will engage a vessel to take the 14 horse engine upon learning that it is ready.”


Docketed “Receipt of our letter and account. Has engaged a Papenburger vessel to bring over the 14 horse engine.”

Enclosing (b) below.
Docketed “Remit 2nd of exchange for £250 on account of Mr. J. D. H. van Liender.”

Passed to Boulton Watt & Co. by Nortier on van Liender’s order.

Marked “Duplicate.” Docketed “Remit £250 on account of Mr. van Liender.”

Docketed “Receipt of sundry of our letters. Difficulty of epistolary intercourse and of making remittances. Cannot at present procure a passport for the 14 horse engine.
Remarks upon the system of the English Ministry and the progress making in manufactures on the Continent. Description of the Imperial foundry at Liege. Progress made in the Katwyk & Rhine Canal. Much pleased with the engine, which will be started next month. Mr. Dyoster understands the hot water pump, but wants explanation of what he calls the steam fountain."


41. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 7 Jan. 1808. Docketed “Will send a remittance for the 14 horse engine, as soon as he can with safety. Has obtained the King’s order for the release of the Friendship and her cargo. Complains of the high freight and want of insurances. Wants explanation of the throttle valve of the Katwyk & Rhine engine.”


44. Letter. J. D. H. van Liender (Rotterdam) to Boulton Watt & Co. (Soho). 1 Nov. 1808. Docketed “Has not received an acknowledgement of remittances transmitted to us. Favourable report of the Katwyk engine.”


INTRODUCTION

Letters about steam engines for Llanarmon lead mine and Plas Mostyn colliery, Denbighshire, Wales, from 1802 to 1804. Both mines were owned by William Wilkinson, younger brother of John Wilkinson. Several of the letters are from Wilkinson’s mine agent and partner Robert Burton.

For drawings of the engines see Portfolios 5/582, 5/593.

   Requesting an estimate for an engine for a lead mine he and Robert Burton are planning to establish at Llanarmon.

   He and Wilkinson are to have the mine, therefore they wish to have the estimate. He proposes that it will be deeper than mentioned by Wilkinson.

   Orders an engine of the first size mentioned for £715. Asks where he can get the remainder of the plain pipes.

   Water for the engine is to be delivered at surface level. Will build the engine house with stone. Requests dimensions of the beam.

   The engine house is complete. When will the engine be ready?

   Directions for forwarding the goods. Will want another engine for a coal mine [Plas Mostyn] in the Spring. Failure of the attempt to cast a copper table at Bersham. Does James Watt Jr. still require a “waiter” for the counting house?

   Reflections upon James Watt and Gregory Watt’s trip to France. Details of Thomas Miller, whom he recommends for the storekeeper’s job. Failure of an attempt to cast a copper table at Bersham.

   Docketed as 13 Dec. Sends £700 on account of the Llanarmon engine. Wishes a man to be sent within 3 weeks to erect the engine and examine the Caemynydd West End engine.

   Pearson will begin to examine the Caemynydd engine tomorrow. He has almost finished the Llanarmon engine.
Sends a bill for payment of Thomas Pearson’s time and for money he owes to James Watt Jr. Favourable report of the engine – details of its performance. Will want another engine for his coal workings. Gives particulars of situation and wishes to have drawings of the engine house.

On the same sheet:
Developments at Bersham. Thoughts on the case against Matthew Murray of Leeds. Mr. Lloyd’s raising of 100 men at Minera for artillery. Returns his rectified draft. Will send particulars of the locale of the coal mine in a few days.

Sending their own plan for the Plas Mostyn engine house.

Hopes to get the Plas Mostyn engine house up this Autumn. Hopes to visit Soho. I am about to return home. Mr. Stockdale of Cark requires a new engine for his mill. Can James Watt Jr. go to advise them on a new one.

Will adopt Boulton Watt & Co.’s plans for the engine house. Hopes he and Burton will be able to visit Soho. His plans for supplying water to the engine.

Details of the size of the pumps at Plas Mostyn. Can Boulton Watt & Co. send all the details of a suitable engine?

Confirming the order for the Plas Mostyn engine – 36 inch, 8ft. stroke with an iron beam, parallel motion and 3 working barrels.

Some of the materials have arrived. Everything is ready for an engine erector.

They have started the Plas Mostyn engine and it works well, but a few articles are deficient. Pearson is repairing the Llanarmon engine and will return to repair the Plas Mostyn one. Sends £1360 for the Plas Mostyn engine. Problems with the Bersham engineers repairing the Caemynydd West End engine.
MS 3147/3/509
SPECIAL SUBJECTS & CORRESPONDENTS
JEAN HYACINTHE DE MAGELLAN
1777—1785

INTRODUCTION

Letters from Jean Hyacinthe de Magellan, Portuguese scientist, from 1777 to 1785. The bundle includes letters about Magellan’s book on latent heat and accounts for books bought by Magellan for the Lunar Society and James Watt.


8. Memorandum (in French). Article de la lettre de Mr. d’Heronville à Mr. du Magellan datée le 17 Mai 78; sur l’affaire de Messrs. Boulton & Watt. 17 May 1778. *Sent by Magellan to Boulton & Watt circa 22 May 1778.*


   *Docketed as 8 Mar.*
   *Docketed “Latent heat.”*


   *With 2 small squares of gauze enclosed in the letter.*
   *Docketed “With caoutchouc varnish and acceptance of our terms about copying machines.”*


   *With wrapper docketed “Mr. Magellan 31 Dec. 1780 & 13 Jan. 1781.”*


   *Docketed “With Rozier’s Journal.”*

   *Docketed “Concerning Monsieur Genet.”*


   *Docketed as 30 Mar.*


34. Letter. J. de Magellan (London) to James Watt (Birmingham). 3 Sep. 1784.
   *Docketed “With his account. Settled with him in Oct. 1784.”*
   Kept with (b) – (f) below. 
   Docketed “Mr. Magellan’s accounts 1784.” Used as a wrapper for the items below.

   In James Watt’s hand.

c. Account. James Watt debtor to James Watt & Co. for books bought from Mr. Magellan. 
   Mar. 1784.

d. Account. Mr. Magellan in account with James Watt & Co. 9 Oct. 1782, — 1784, 4 Sep. 
   1784.

e. Memorandum. Mr. James Watt with Mr. Magellan. 
   Books bought by Watt on 7 Mar. 1783, 4 and 9 Sep. 1784.

f. Account. Mr. Watt debtor [to Mr. Magellan]. 
   Docketed “Mr. Magellan’s account paid Oct. 1785 £3.2.2.”

   In James Watt’s hand. 
   Docketed “Account of books bought from Mr. Magellan for myself – paid.”