

**MS 347**

**N.B. Davies Giddy = Davies Gilbert**

- /1-3 1815 May [3 letters] May 9 [two], May 14 London [and] Ascot Place [to] Richard Trevithick, Hazledine's Foundry, Bridgnorth, Shropshire/Davies Giddy. [Re design of the recoil engine (for screw propeller propulsion) being constructed at Bridgnorth; amplify Gilbert's arguments for use of high-pressure steam. Pencil sketch of tubular boiler, by Trevithick, on /1; pencil sketches on /2; ink sketch of rotating arms of the engine, by Gilbert, on /3. Corresponding letters from Trevithick to Gilbert 1815 May 7, 12, 16 published in: Life of Richard Trevithick/Francis Trevithick, 1872 vol.1, p.364-71]  
Holograph signed  
8p on 3 leaves, 24 x 38cm, folded to 24 x 19cm, and smaller
- /4 1815 Jul 18 [Letter] Eastbourne [to] Richard Trevithick, Camborne, Cornwall/Davies Giddy. [Gives a theoretical treatment of the effect of ship propeller speed and size on propulsive power. Published, omitting postscript, (as /1-3): vol.1, p.350-1]  
Holograph signed  
2p on one leaf, 22.5 x 36.5cm, folded to 22.5 x 18.5cm
- /5 1815 Dec 31 [Letter] Tredrea [to] Richard Trevithick, Herland Mine/Davies Giddy. [Re arrangement of boiler tubes in Trevithick's Herland Mine engine. Trevithick's pencilled transcription runs between the lines; bears pencil sketches and calculations. Published (as /1-3): vol.1, p.373]  
Holograph signed  
2p on one leaf, 20 x 32cm, folded to 20 x 16cm
- /6 1816 Feb 15 [Letter] Eastbourne [to] Richard Trevithick, Penzance, Cornwall/Davies Giddy. [Re Trevithick's results from his first trial of the Herland pole steam-engine. Postscript gives Gilbert's working for the duty figure of 57 million, quoted in the main text of the letter. Published, omitting postscript, (as /1-3): vol.2, p.93-4]  
Holograph signed  
3p on one leaf, 22.5 x 36.5cm, folded to 22.5 x 18cm

- /7 1816 Feb 16 [Letter] Eastbourne [to] Richard Trevithick, Penzance/Davies Gilbert. [Gives theoretical treatment of expansive working of a non-condensing high-pressure steam-engine, concluding that pressure should be as high as possible and steam expanded to 1 atmosphere. Postscript compares expansive with non-expansive working and discusses implications of recent French experiments on the heating of steam]  
Holograph signed  
3p on 1 leaf, 22.5 x 36cm, folded to 22.5 x 18cm
- /8 1828 Jan 5 [Letter] Eastbourne [to] Captain Trevithick, London/Davies Gilbert. [Replies to Trevithick's first letter since Trevithick's return to England; answers his enquiry about performance figures for early Cornish engines. 'I cannot venture to give my opinion as to the probable success of your proposed application.' Trevithick's pencilled transcription runs between the lines]  
Holograph signed  
2p on one leaf, 22.5 x 37cm, folded to 22.5 x 18.5cm
- /9 1831 Dec 26 [Letter] Eastbourne [to Richard] Trevithick/Davies Gilbert. [Advises Trevithick on his future course of action following the failure of a claim for government assistance. Published, with minor misreadings, (as /1-3): vol.2, p.388-9]  
Holograph signed  
3p on one leaf, 23.5 x 37cm, folded to 23.5 x 18.5cm

**Inv. no.** 1993-123