

IX. *Part of a Letter from Mr. Brook Taylor, F. R. S. to Dr. Hans Sloane R. S. Secr. Concerning the Ascent of Water between two Glass Planes.*

THE following Experiment seeming to be of use, in discovering the Proportions of the Attractions of Fluids, I shall not forbear giving an Account of it; tho' I have not here Conveniencies to make it in so successful a manner, as I could wish.

I fasten'd two pieces of Glass together, as flat as I could get; so that they were inclined in an Angle of about 2 Degrees and a half. Then I set them in Water, with the contiguous Edges perpendicular. The upper part of the Water, by rising between them, made this *Hyperbola*; [See Fig. 5.] which is as I copied it from the Glass.

I have examined it as well as I can, and it seems to approach very near to the common *Hyperbola*. But my *Apparatus* was not nice enough to discover this exactly.

The Perpendicular *Assymptote* was exactly determined by the Edge of the Glass; but the Horizontal one I could not so well discover. I am,

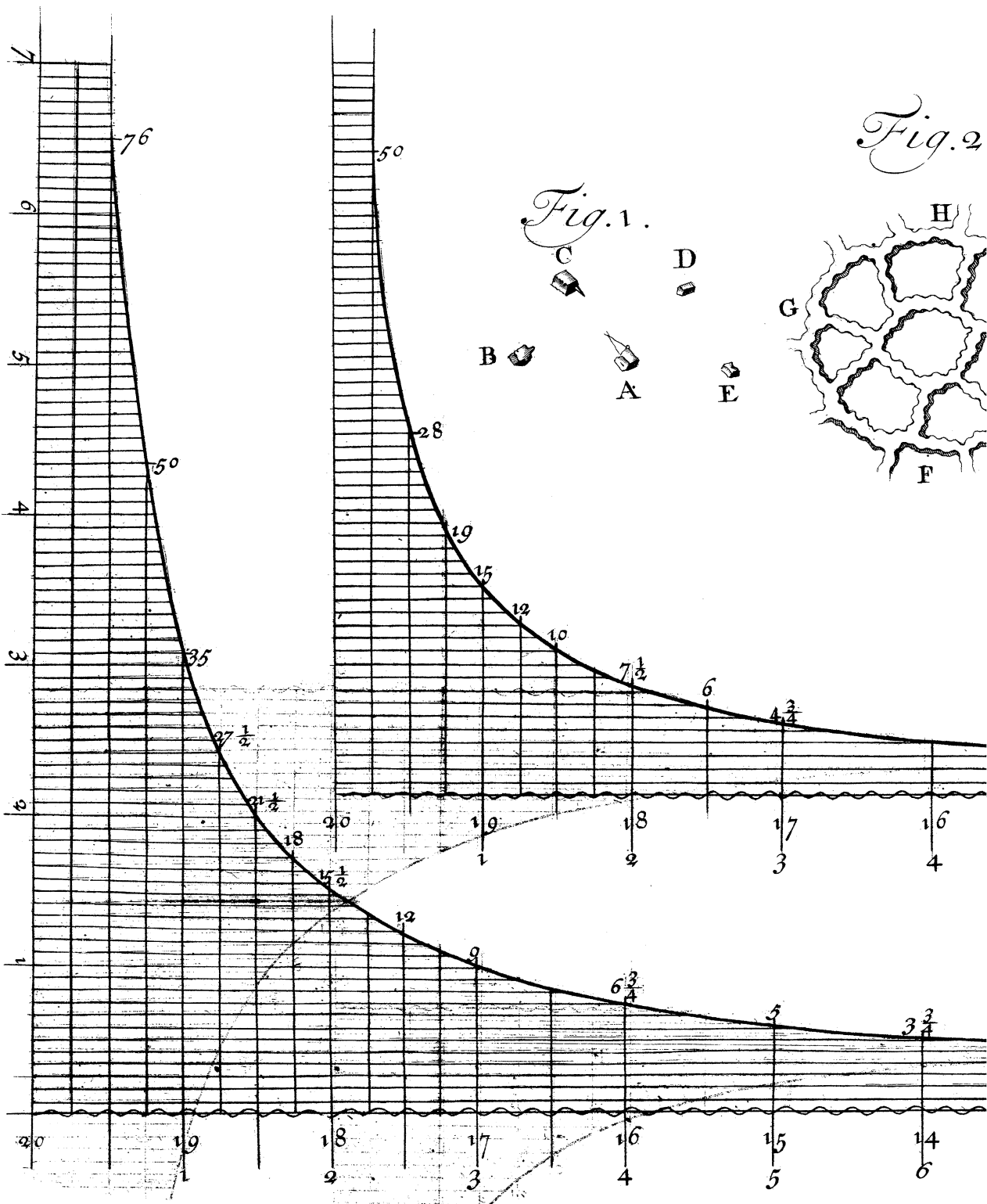
Sir,

Your most humble Servant,

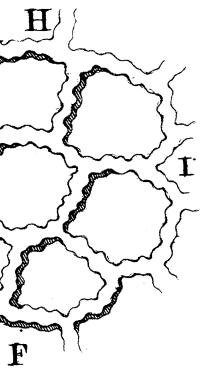
BROOK TAYLOR.

*Bifrons near Canterbury, June 25. 1712.*

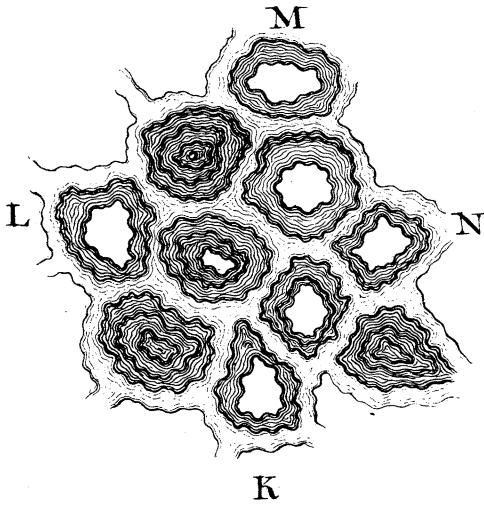
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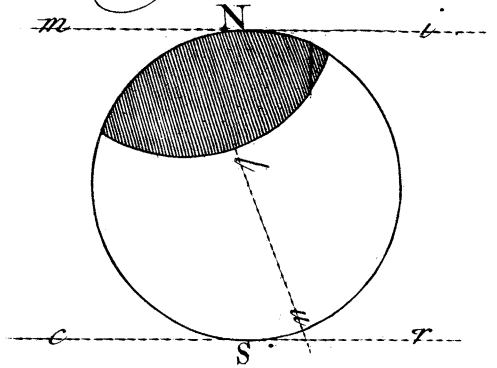
*Fig. 2.*



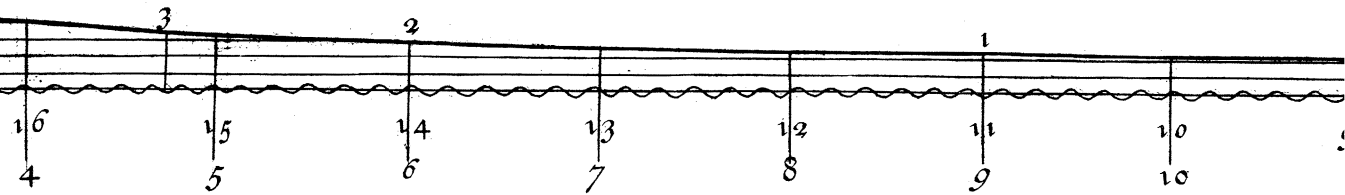
*Fig. 3.*



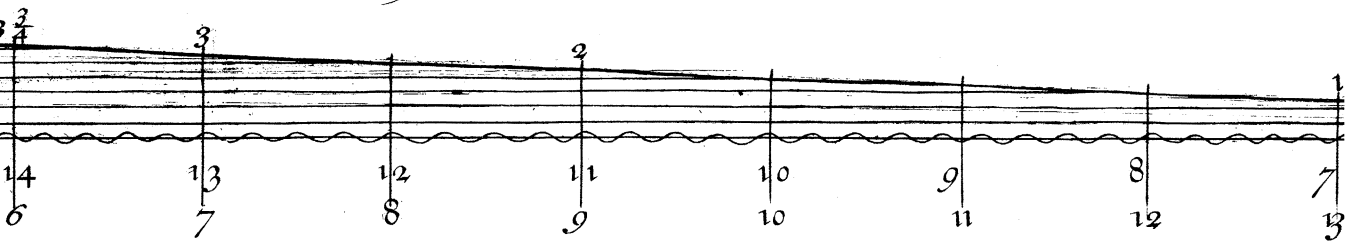
*Fig. 4.*



*Fig. 6.*



*Fig. 7.*



*Fig. 5.*

