

A Multiple Arm Equatorial Dial

"A SUPPLEMENT To Mr. FERGUSON'S Book of **L E C T U R E S** ON MECHANICS, PNEUMATICS, HYDROSTATICS, AND OPTICS. WITH **The Use of the GLOBES**, AND **The ART of D I A L L I N G**". Its Dialling Chapters start on Page 25:

D I A L L I N G.

The universal Dialling Cylinder.

To delineate a Sun-Dial on Paper ; which, when pasted round a Cylinder of Wood, shall shew the Time of the Day, the Sun's Place in the Ecliptic and his Altitude, at any Time of Observation.

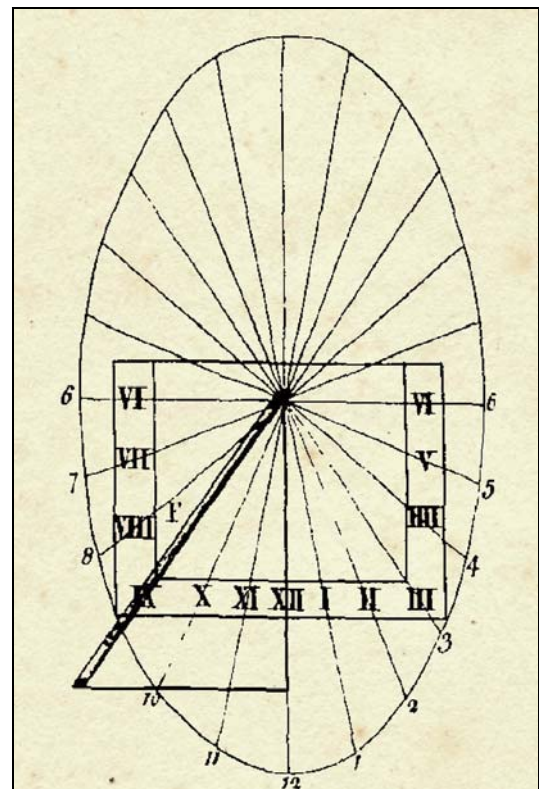
The method of using this dial is as follows.

To make three Sun-Dials upon three different Planes, so as they may all shew the Time of the Day by one Gnomon.

An universal Dial on a plain Cross.

An universal Dial, shewing the Hours of the Day by a terrestrial Globe, and by the Shadows of several Gnomons, at the same Time : together with all the Places of the Earth which are then enlightened by the Sun ; and those to which the Sun is then rising, or on the Meridian, or Setting.

F I N I S.



Drawing a Vertical Dial