

"A NEW AND COMPLETE DICTIONARY OF ARTS and SCIENCES" is in four Volumes and it contains many useful articles on Science and Scientific Instruments.

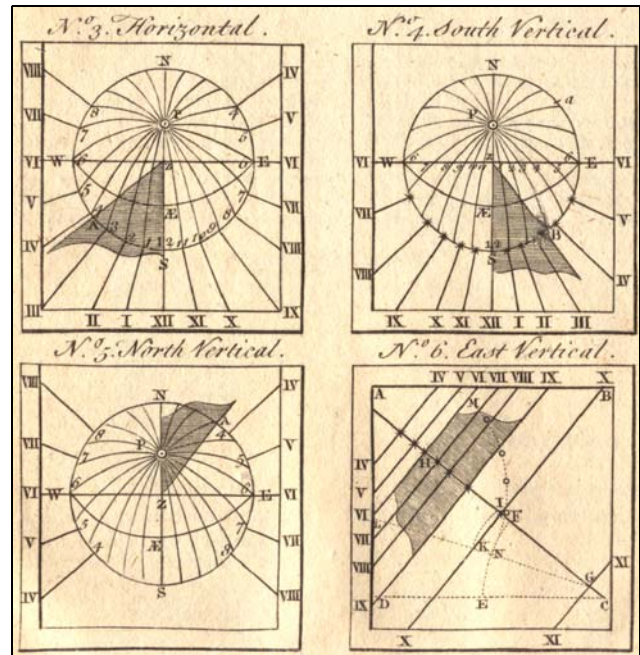
In Volume 2 is the entry:

DIAL, or **SUN-DIAL**, an instrument serving to measure time by means of the shadow of the sun.

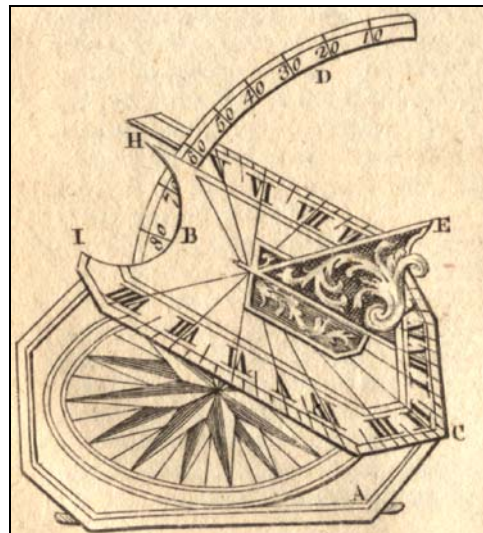
Sun-dials are differently denominated according to their different situation, and the figure of the surfaces upon which they are described, as horizontal, vertical, equinoctial, polar, direct, erect, declining, inclining, reclining, cylindrical, &c. We shall here proceed to describe these particular kinds of dials; and explain the philosophical principles on which dialling is founded under the article DIALING.

This entry covers six pages and also has about 2½ pages full pages of illustrations dedicated to the various types of dials.

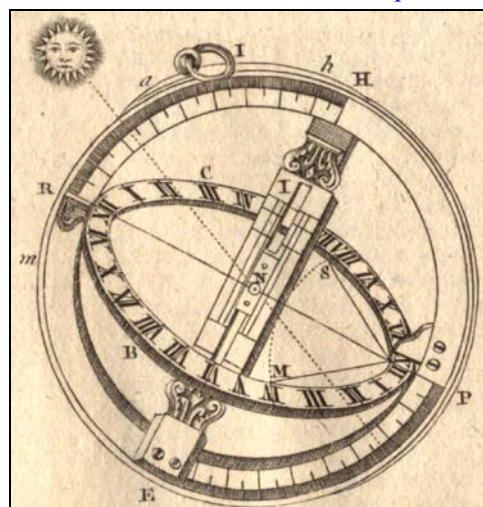
Other Dialling entries are to be found under their various titles. e.g. Gnomon.



Horizontal and Vertical Dials



"Universal Inclined, Horizontal, & Equinoctial"



"Universal Astronomical, and Ring Dial"