A New and Easie
METHOD
TO THE
ART
OF
DYALLING.
CONTAINING
I. All Horizontal Dyals, all Upright Dyals, Reflecting Dyals, Dyals without Centres, Nocturnal Dyals, Upright Declining Dyals, without knowing the Declination of the Plane.
II. The most Natural and Easie Way of Describing the Curve-Lines of the Suns Declination on any Plane.

The like never before Published.

By *THOMAS STRODE*, Esq; of *Maperton* in the County of *Somerset*.

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"A New and Easie M E T H O D TO THE A R T OF DYALLING" is a small format book by Thomas Strode commencing with two advertisements:

Navigation, and all the Parts of the Mathematicks, are taught in *English* and *French* by Mr. *Reeve Williams*, at the *Virginia Coffee-House* in St. *Michael's-Alley*, in *Cornhil*, near the *Royal Exchange, London*.

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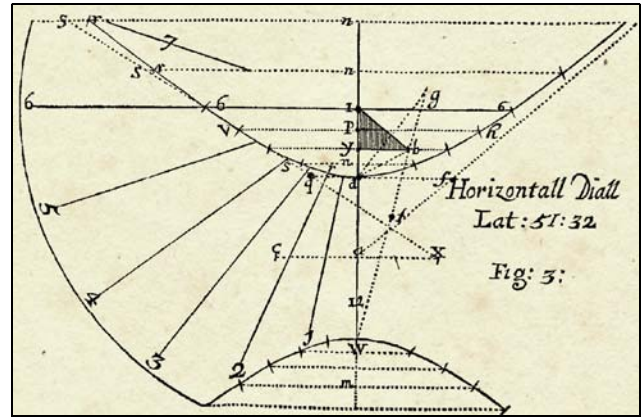
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C H A P. I.
Of Dyalling in General.

Dyalling is an Art teaching how to Measure the time of the Day, by the Shade of the Sun.

The Heavens, with the Sun and Stars, go round the Earth every Twenty four Hours, with an Equal Motion. Two Points of the Heavens are Immovable, which are called the Poles; and there is an Imaginary Line passing from one Pole to the other, which is called the Axe of the World. The Circle which cuts the Axe at Right-angles, and divides the Heavens into two Equal Parts between the said Poles, is the Equinox or Equator, which (as every great Circle) is divided by Astronomers into 360 Equal Parts, called Degrees ; of which the Sun goes 15 Degrees each Hour : Every Degree is divided into 60 Minutes, as by the Globe may be seen.
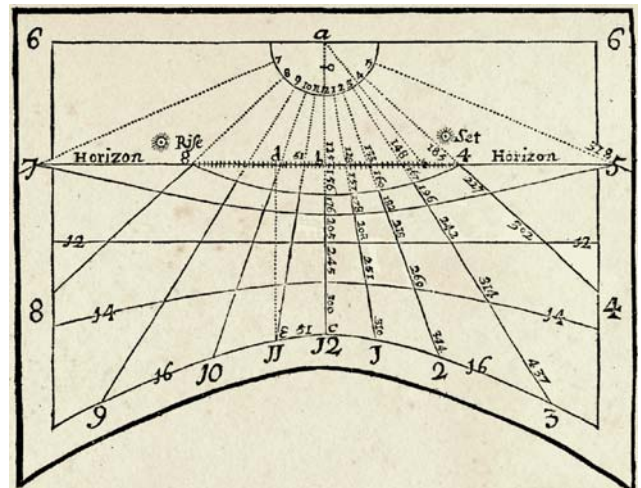

Construction of a Horizontal Dial

C H A P. II.
The Nature of Sines, Chords, Tangents and Secants, with a Table of them for each Degree.

C H A P. III.
How from this Table, and a Diagonal Scale, or Scale of Equal Parts, to make an Horizontal Dyal for any Latitude.

C H A P. IV.
How to make any Erect Dyal from the Horizontal, whether it be a Direct South Dyal, or a Declining.

A Direct South Vertical Dial

C H A P. V.
How to describe the Tropiques and other Circles of Declination of the Sun on a Plain Dyal, the elevation of the Pole, and the Sun's Declination being given, first Geometrically, then Arithmetically.

C H A P. VI.
How to find the Inclination of the Plane.

Soli Deo Gloria.

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Illustrations: Many