## **GEORGE SERLE, DIALLING UNIVERSAL**

London 1657



"DIALLING UNIVERSAL" is a small book describing methods of making dials using the scales on a ruler. It contains the following Chapters:

> CHAP. I. The Description of the Scales on the Ruler.

CHAP. II. To draw a Meridian line on an Horizontal Plane.

> CHAP. III. To find the Inclination of a Plane.

> CHAP. IV. To find the Declination of a Plane.

CHAP. V. To draw a direct Polar Dial.

CHAP.VL To draw an erect Meridian Dial.

CHAP. VII. To draw an Horizontal Diall for the Latitude of 51 deg. 30 min.

CHAP. VIII. To draw a Dial on an erect direct vertical Plane.

> CHAP.IX. How to draw a vertical Inclining Dial.

CHAP. X. How to draw an Equinoctial Diall.



Finding the Inclination of a Plane

CHAP. XI.

How to find the height of the Pole above the Plane, the distance of the Substile from the Meridian, and the Inclination of Meridians, for upright declining and Meridian inclining Dialls; as also what ever else is necessary to be found for all other Dialls, hereafter treated of before the hour lines can be drawn.

CHAP. XII. How to draw the hours on an erect vertical declining Plane.

CHAP. XIII. To draw the hours on a farre declining vertical Plane, by the 2 Polor Scales on the Ruler.

CHAP. XIV. To draw the Hours on a Meridian Inclining Plane.

CHAP. XV. To draw the Hour lines on a Declining, Inclining Plane.

CHAP. XVI.

To make a Dial on a Polar declining Plane.

Some observations relating chiefly to the Diall of the 12 Chap. being a vertical Decliner.

FINIS.



A Vertical Declining dial