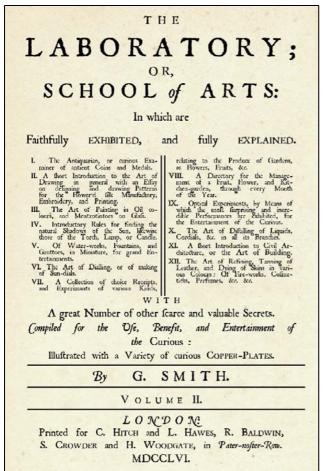
# G. SMITH, THE LABORATORY; OR SCHOOL OF ARTS. Vol II.

London 1756



"THE LABORATORY; OR SCHOOL of ARTS" contains the following section on Dialling:

## PART VI.

GNOMONICKS ; of the Art of DIALLING. PROBLEM I.

1. How to prepare the fundamental quadrant for erecting of sun-dials.

### PROBLEM II.

To prepare a superior equinoctial dial.

### PROBLEM III.

To make an inferior equinoctial-dial.

## PROBLEM IV.

To make a superior polar-dial.

## PROBLEM V.

To make an inferior polar sun-dial.

## PROBLEM VI.

To make a direct erect oriental sun-dial.

## PROBLEM VII.

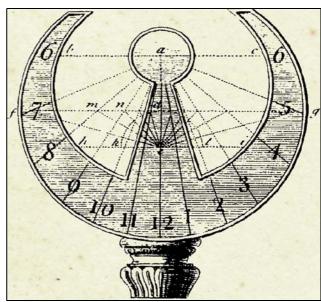
To make an erect direct occidental sun-dial.

## PROBLEM VIII.

To make a direct meridian vertical sun-dial.

### PROBLEM IX.

To draw a septentrional direct vertical sun-dial.



A Direct Meridian Vertical Sun-Dial

### PROBLEM X.

To make a horizontal sun-dial.

## PROBLEM XI.

To make a sun-dial in the shape of a cross, which shall shew the hours, without a gnomon or style.

## PROBLEM XII.

To make a sun-dial in a ring.

### PROBLEM XIII.

To make a moveable universal sun-dial on a Globe.

## PROBLEM XIV.

To make all manner of sun-dials, regular, or irregular, either on a smooth or raised surface.

To prepare plummets of great use in placing and fixing of sundials.

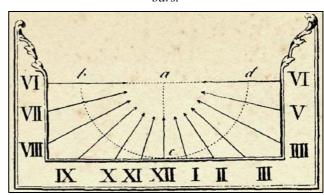
### PROBLEM XV.

To see by the shadow of the moon on a sun-dial what time of night it is.

Of painting of sun-dials.

How to prepare or make artificial magnets.

A method how to obtain magnetism by means of three iron bars



An Inferior Equinoctial Dial (by using equal angles for each hour division)

Number of Pages: 17 on Dialling Illustrations: Five Plates with 22 Figures