JOHN GOOD, HOROMETRIA OR THE COMPLEAT DIALLIST

London 1730

HOROMETRIA:
Or the
Compleat Dialliſt.

Shewing, How to Calculate and Deſcribe the Horizontal, and all Manner of Upright SUN-DIALS, either Direct, or Declining in any Latitude.

Alſo, An Eaſie, New and Speedy Method, of Describing Hour-Lines on all the aforeſaid Plains by the SECTOR.

To which is Annexed,

TABLES

Calculated for the

Latitude of 51 deg 30 min,

Viz. LONDON.

And ſeveral other places in both Hemiſpheres.

Containing the Hour Diſtances, and Parts of an Hour from the Meridian in all Decliners, from one Degree to 60 Degrees With the Uſe of the Table.

By John Good, Teacher of the Mathematicks.

LONDON: Printed, for the Author 1730.

"HOROMETRIA: Or the COMPLEAT DIALLIST". is a small book about dialling, complete with numerous Tables. It contains the following sections:

A
Description *of* DIALLING

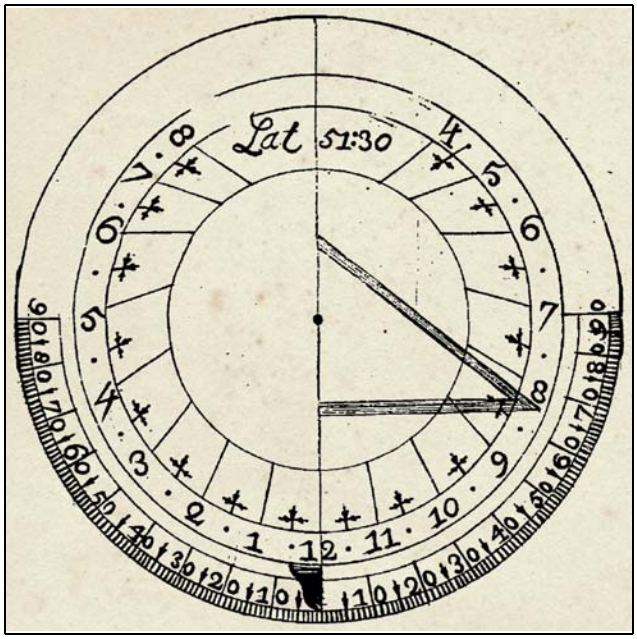
Geometrical Problems.

HOROMETRIA:
Or the Compleat
DIALLIST

CHAP. I.
How to Calculate an Horizontal Dial, whose Plane is flat, and is parallel to the Horizontal.

CHAP. II.
How to draw an Horizontal Dial by the SECTOR.

CHAP. III.
To describe the Erect South Dial whose Plate stands upright, and directly beholds the South.

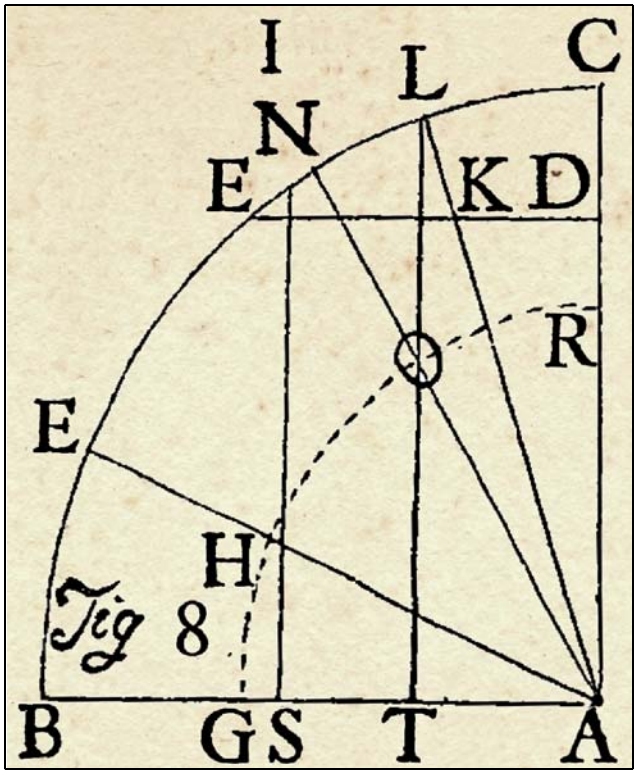


Horizontal Dial

CHAP. IV.
How to draw a Direct North Dial.

CHAP. V.
How to draw Hour-Lines upon a direct East or West Dial, Arithmetically.

CHAP. VI.
How to Place an Upright Dial truly.



A Dialling Quadrant

Number of Pages: 57 plus 60 pages of Tables
Illustrations: 6 Plates

CHAP. VII.

How to find the Declination of any Plain from the South or North, towards the East or West.

CHAP. VIII.

How to Calculate, and draw Hour-lines upon a South or North **Dial Declining** either **East** or **West** to any **Declination**, and in any **Latitude**.

CHAP. IX.

How to draw Hour-lines upon a South or North **Dial Declining** either **East** or **West** to any **Declination**, and in any **Latitude**, by the SECTOR. And how to find, by it, the Substiles distance from the Meridian ; the Stiles height, and the Planes Longitude.

CHAP. X.

How to Calculate and draw Hour-lines upon a South or North **Dial Declining East** 81 deg. in the Latitude of 51 : 30.

CHAP. XI.

How to draw Hour-lines upon a South or North **Dial, Declining East** 81deg. by the Sector.

SECTION I.

Of Direct South Recliners.

SECTION II.

Of Direct North Recliners.

SECTION III.

A Correct Table of Latitude and **Difference** of Meridians from **London**, of some Eminent Places in the World.

SECTION IV.

A Correct Table of Latitude and **Difference** of Meridians from **London**, of some Eminent Places in the World.

SECTION V.

Of the Meridians of other Countries and how to Insert them into Sun Dials.

SECTION VI.

A

New Way

OF

DIALLING,

Performed by the SECTOR.

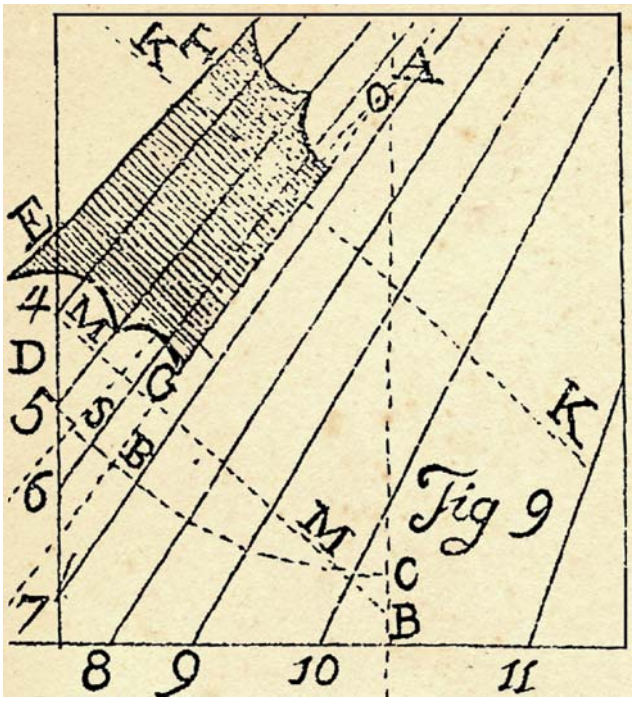
How to draw Hour-lines upon an Horizontal Dial with twice opening the Compasses.

SECTION VII.

Of Declining Dials.

SECTION VII.

How to make an Horizontal Dial, on the bottom of a Box, to shew the hour of the Day, without a Stile.



Vertical Dial Declining East 81°

Followed by:

TABLES

Calculated for the

Latitude of 51 deg. 30 min.

Viz. LONDON.

Containing

The Hour Distance, and Parts of an Hour from the **Meridian**, in all **Declining Dials**, from 51 *Deg.* of Declination to 60 *Deg.*

WITH

Directions Teaching any Person tho' unlearned in the Mathematicks, to draw a true SUN-DIAL, upon any given PLAN, however Situated in Respect of Declination.

Here are placed Tables for various applications.

CHAP XII.

The Use of the TABLES

SECTION I.

The Geometrical Construction of a South East and South West Plain, **Declining** 25 *Deg.*

SECTION II.

How to find the **Declination** of any Plain is taught in CHAP the VIII th. It being the Common way given by many Authors ; but the way that I use is as followeth.

SECTION III.

To place an Horizontal Dial, made for the Latitude of **London** (51 : 30) in any other Latitude, so as to shew the true *Hour* of the Day, as well as tho' it was made the Latitude placed in.

FINIS.