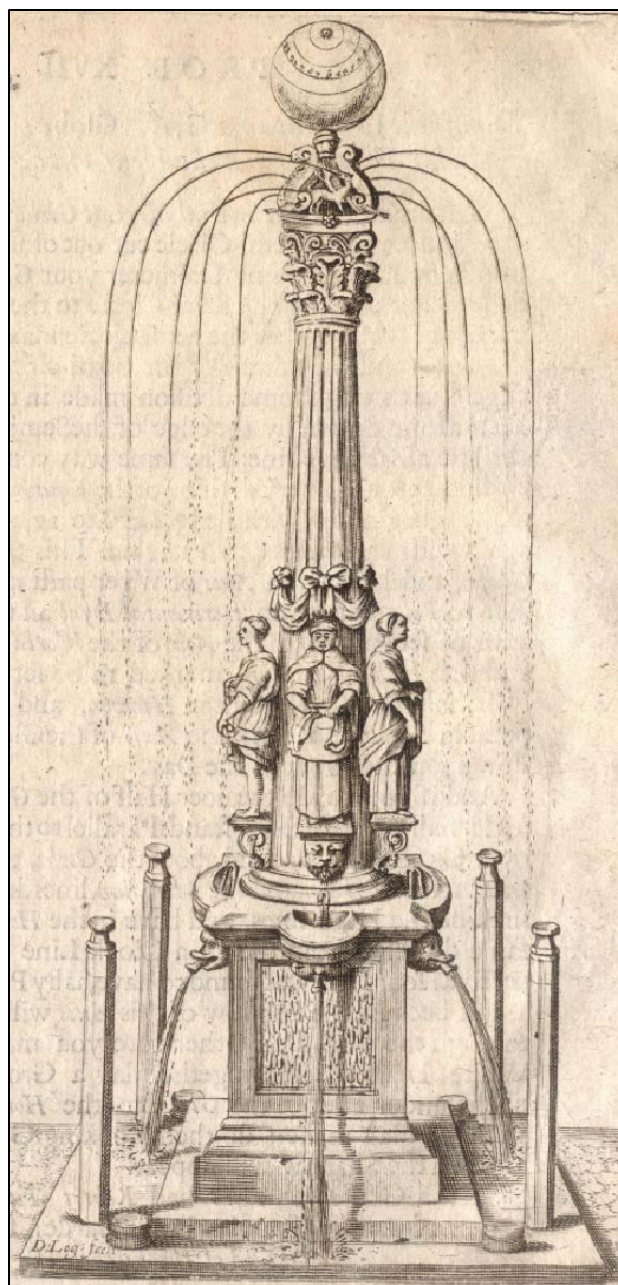
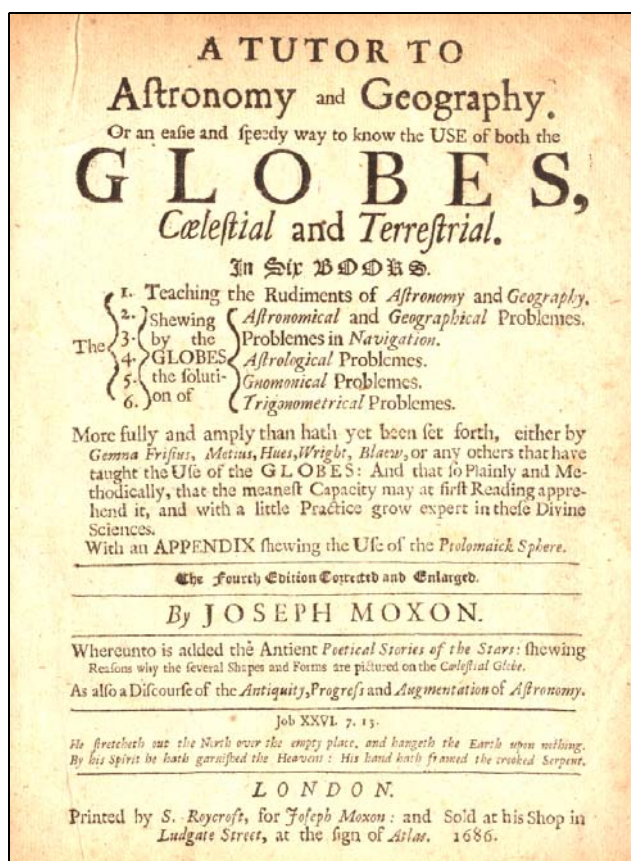


JOSEPH MOXON, GLOBES

London 1686



“A TUTOR TO Astronomy and Geography.” is a book in six sections, whose FIFTH BOOK is dedicated to Gnomonical Problemes in 46 pages.

The First BOOK.

Being the first Rudiments of
Astronomy and Geography.

OR, A

Description of the *Lines, Circles*, and other Parts of the
GLOBES.

The SECOND BOOK:

Shewing the Practical Use of the
GLOBES.

*Applying them to the Solution of Astro-
nomical and Geographical
Problemes.*

The Third BOOK.

Being the Practical Use of the
GLOBES.

*Applied to the Solution of PROBLEMES
IN THE
Art of Navigation.*

The FOURTH BOOK,

Shewing the Practical Use of the
GLOBES.

*Applying them to the Solution of
Astrological Problemes.*

A Dial of this Sort was made by Mr. John Leek, and set up on a Composite Column in London, in the Majoralty of Sr. John Dethick, Knight.

The FIFTH BOOK

Shewin the Practical Use of the
GLOBES.

*Applying them to the Solution of
Gnomonical Problemes.*

PROB. I.

*How by one Position of the Globe to find the Distances
of the Hour lines in all manner of Plains.*

PROB. II.

To make an Equinoctial Dial.

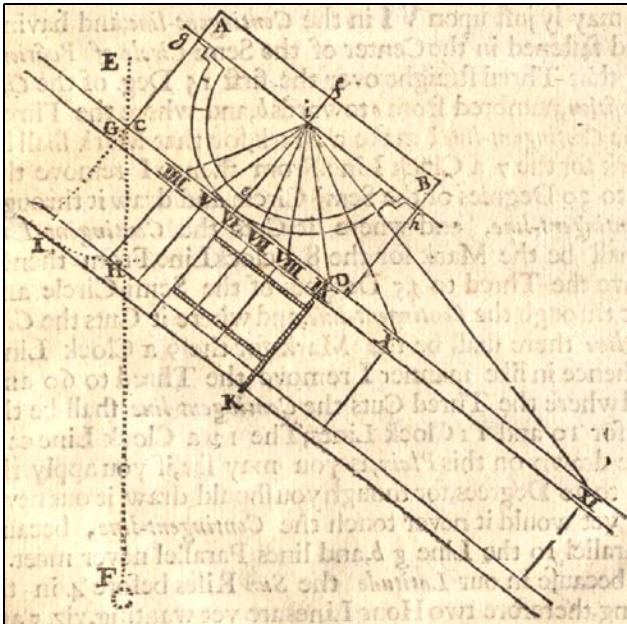
PROB. III.

To make an Horizontal Dial.

Number of Pages: 283 with 46 dedicated to Gnomonics.

Illustrations: 14

Page Size: 7³/₄" × 6"



Making a Direct East Dial

PROB. I V.

To make an Erect direct South Dyal.

PROB. V.

To make an Erect Direct North Dyal.

PROB. VI.

To make an Erect Direct East Dyal.

PROB. VII.

To make an Erect Direct West Dyal.

PROB. VIII.

To mark a Polar Dyal.

PROB. IX.

To make Erect South Dyals, Declining Eastwards or Westwards.

PROB. X.

To make a South Erect Dyal, Declining Eastwards or Westwards.

PROB. XI.

To make Direct Reclining, or Inclining Dyals.

PROB. XII.

To make Declining Reclining or Declining Inclining Dyals.

PROB. XIII.

To make a Dyal upon a Declining Inclining Plain.

PROB. XIV.

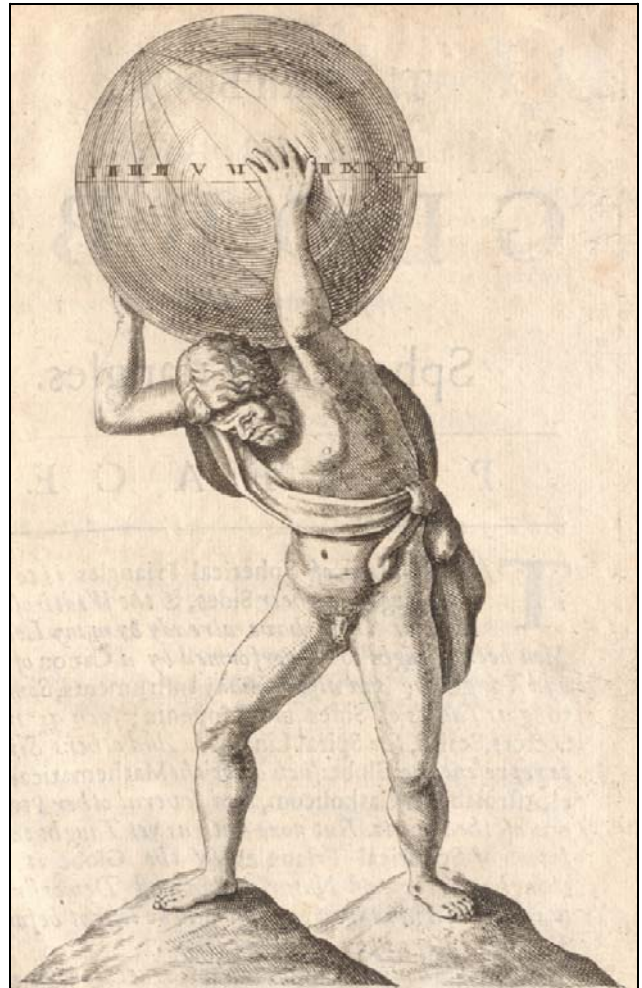
To find in what Place of the Earth any manner of Plain that in your Habitation is not Horizontal, shall be Horizontal.

PROB. XV.

To make a Dyal on the Ceiling of a Room, where the Direct Beams of the Sun never come.

PROB. XVI.

To make a Dyal upon a solid Ball or Globe, that shall shew the Hour of the Day without a Gnomon.



Such a Glass Globe Dyal had Robert Titchborn, once Lord Mayor of London, standing in his Garden supported by Atlas.

PROB. XVII.

To make a Dyal upon a Glass Globe, whose Axis shall cast a Shadow upon the Hour of the Day.

The Sixth BOOK,

Shewing the Practical Use of the

G L O B B S. (sic)

Applying them to the Solution of Spherical Triangles.

A N

A P P E N D I X,

Shewing the

E X P L A N A T I O N and **U S E**

OF THE

P T O L O M A I C K

S P H E R E.

A

D I S C O U R S E

Of the

Antiquity, Progress and Augmentation

Of

A S T R O N O M Y.