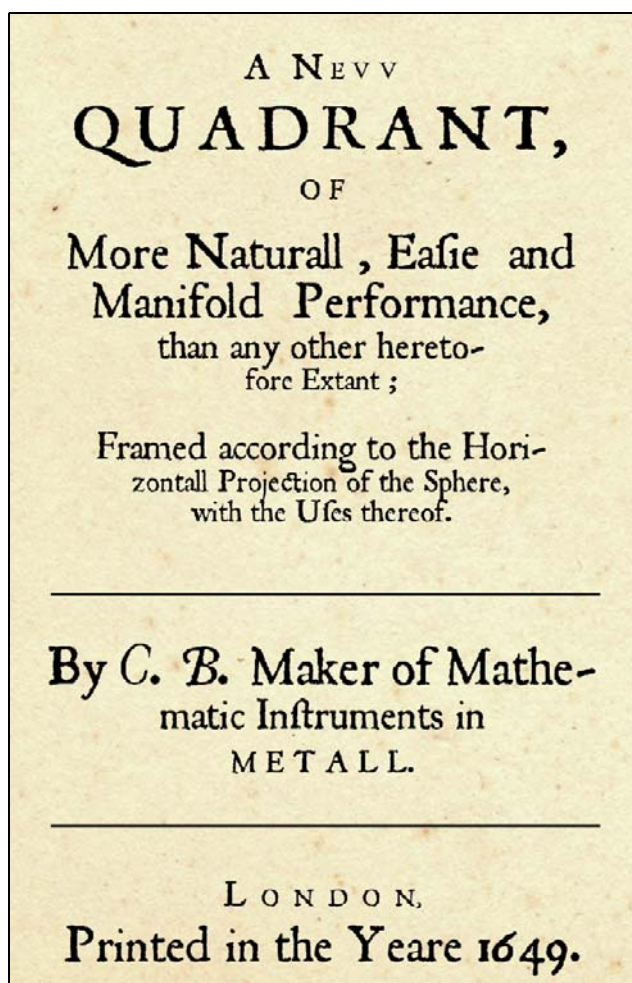


# CHRISTOPHER BROOKES, A NEVV QUADRANT

London 1649



"A NEVV QUADRANT, OF More Naturall, Easie and Manifold Performance, than any other heretofore Extant" is a small format book containing the following Chapters:

## THE

Description of the Quadrant,  
and the parts thereof.

Use I. To finde the Declination of the Sun every day.

Use II. To finde the Semidiurnall Arch, or parallel Circle in which the Sunne moveth every day.

Use III. To finde the time of the Sunnes Rising and Setting every day.

Use IV. To find the Suns Amplitude, Ortive and Occasive : that is, how many Degrees of the Horizon the Sunne riseth and setteth from the true East and West points every day.

Use V. To find the Length of every day and night.

Use 6. To know the reason and manner of the Increasing and Decreasing of the Dayes and Nights throughout the whole yeare.

Use VII. To take the height of the Sunne above the Horizon.

Use VIII. To finde the Houre of the day, or what a clock it is.

Use IX. To finde the Sunnes Azimuth or Horizontall distance from the foure Cardinall points.

Use X. To finde the Meridian Altitude of the Sunne every day.

Use XI. To finde at what time the Sunne commeth to bee full East or West every day in Summer.

Use XII. To finde how high the Sunne is above the Horizon at any houre, every day.

Use XIII. To finde how high the Sunne is being in any Azimuth assigned every day : and also at what houre.

Use XIV. To finde the Sunnes Longitude, or place in the Ecliptic.

Use XV. To find the Suns Right Ascension every day.

Use XVI. To find the Houre of the Night by the Starres.

Use XVII. To finde out the Meridian-Line upon any Horizontall plaine.

Use XVIII. To finde the Declination of any Wall or plaine.

Use XIX. To finde the Declination of an upright Wall by knowing the time of the Sunnes comming to it, or leaving it. And contrawise, the Declination of an upright wall being known to finde at what time the Sunne will come into it.

Use XX. Certaine advertisements necessary for the use of the Quadrant in the night.

Use XXI. To finde how many Degrees the Sunne is under the Horizon at any time of the night.

Use XXII. To finde out the length of the Crepusculum, or Twi-light.

FINIS.