## **RICHARD DELAMAIN, THE MAKING OF A HORIZONTAL QUADRANT**

London 1632

making, description, and use of a small able Instrument for & Pocket (or according to an anitude) in forme of a mixt Trapezia thus 1 Written and delivered matickes . Attribuit (nullo prascripto tempore vita vsuram nobis ingenya Deus London printed for Richard Hawkins and are to be fold at his shop in Chancery lane neere Sarjants Inne 1632.

"The making, description, and use of a small portable Instrument for ye Pocket (or according to any Magnitude) in forme of a mixt Trapezia thus Called a Horizontall Quadrant" is a book with the following sections:

Of the Making of the Horizontall Quadrant by the Sector.

Of the making of the Horizontall Quadrant Geometrically.

3. By my Ring it may bee otherwise projected : In which it exceeds any Instrument whatsoever for facility, and expedition, for where there is many proportionals required in any service, there the use of the Ring is most excellently made manifest, they being instanly declared at once, which in some sort I have delivered in the use of my Appendix upon plaine Triangles, or it may be drawne from that of Proportionating the Fort, to the Fort, or the Building, to the Building, Pag. the 2. and 3.



Layout of a Double-Horizontal Dial

How to graduate the Index for the Instrument. The Description of the Horizontall Quadrant.

Of the Vses of the Horizontall Quadrant, specified in the *Index* or *Table*, formerly delivered.

There are now given 50 uses for the instrument in five sections, of 13 + 13 + 13 + 4 + 7 pages. Here are a few examples:

Sixtly, to finde the Sunnes right ascention, and oblique ascention at any time.

Seventhly, to find the suns Altitude, and houre of the suns comming East, or West, any day of the yeare above the Horizon.

Twelfely, to finde the houre, and Altitude of the sunnes comming upon a Declining wall any day of the yeare.

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Twelfthly, to finde the Horoscope or the degree Ascendant, or the descendant and the Nonagessima degree at any houre.