

and the greater the Excess of the Moon's apparent Diameter above that of the Sun ; as also the greater the apparent Altitude of the Sun is above the Horizon ; the higher the Cause which produces the Crown must be, above the Surface of the Earth. And the Position, upon the Moon's Disk, in reference to the Zenith, of the Points of Contact, where the Sun disappears, or begins to shew itself again, is here also of some consideration. As to the accurate Calculation, it shall be given in another place.

VII. *Pars Epistolæ à Cl. D. Joh. Jac. Scheuchzer, M. D. Tiguri. & Societat. Reg. Lond. Soc. ad D. Jacobum Petiver, dictæ Societ. Soc. de Eclipsi Solis totali Die 12.º Maij Tiguri observatâ.*

Illustri Societati indica, habuisse nos die 12.º Maij Eclipsin Solis totalem simul & annularem ; totalem, quoniam Sol integer à Lunâ fuit obtectus ; annularem autem non propriè ita dictam, sed per Refractionem, quandoquidem circa Lunam fulgor apparuit rutilans, à radiis per Atmosphæram Lunæ retracts ortus. *Vide Tab. 2.*

Initium Eclipsæ fuit mane horâ 8. 54'.

Medium horâ 9. 58'.

Finis horâ 11. 12'.

Mora mediæ & plenæ obscurationis 4'.

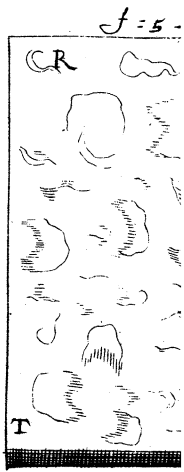
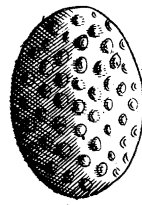
Quâ visâ fuerunt Stellæ tam fixæ, quàm erraticæ ; ad nidos suos sese receperunt Aves ; prodière é latebris suis Vespertiliones, & Aquæ innatârunt Pisces : Nos autem experti sumus sensum frigoris manifestum ; & in Plantas decidit Ros.

Tiguri d. 21. Maij, 1706.

VIII. *Act*

Tab = 1.

f = 7. Y



74

*
+ α
*
* ♀

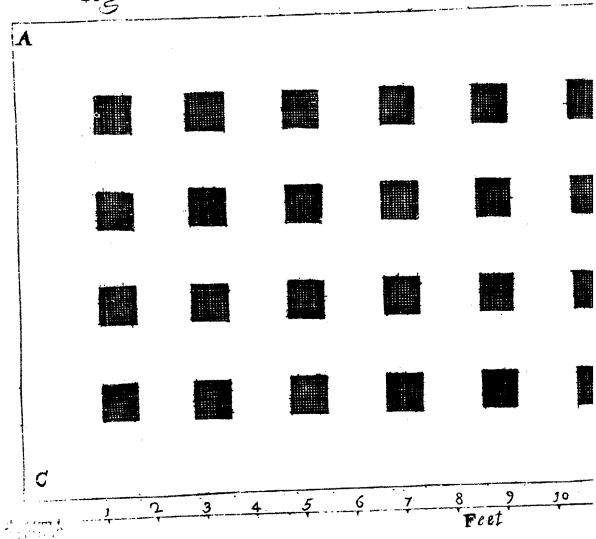
Tab = 2



f = 6.



Fig = 2.



Ph = 50 = 110 = 306

*
*
*

*

*

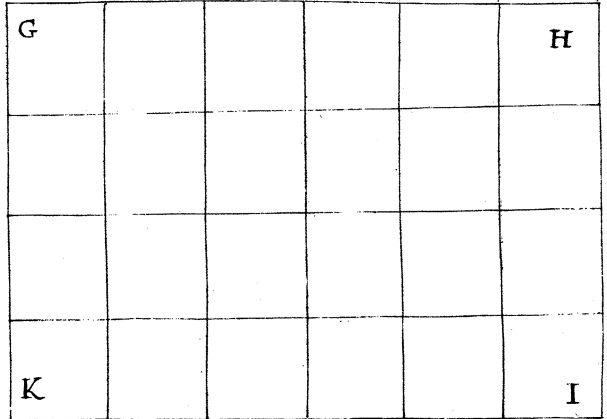
*

*

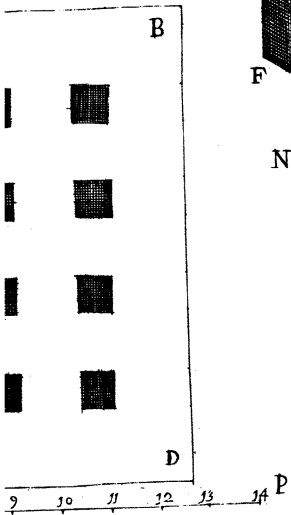
f = 5 -



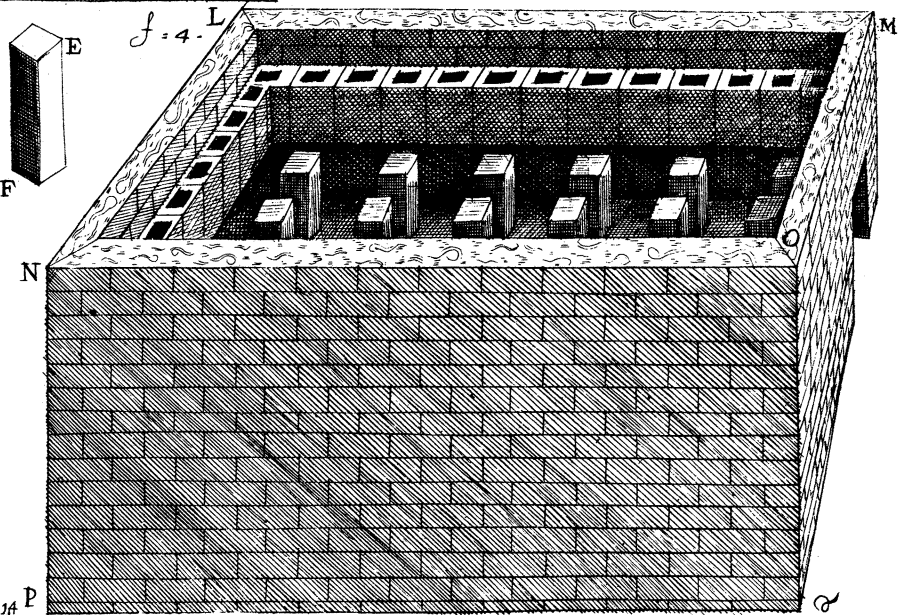
f = 3 -



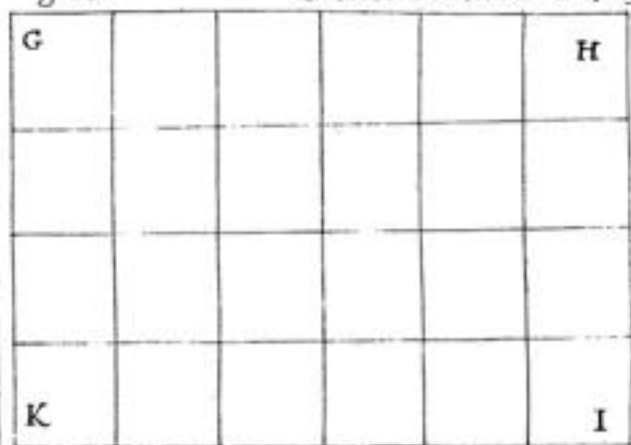
f = 2 -



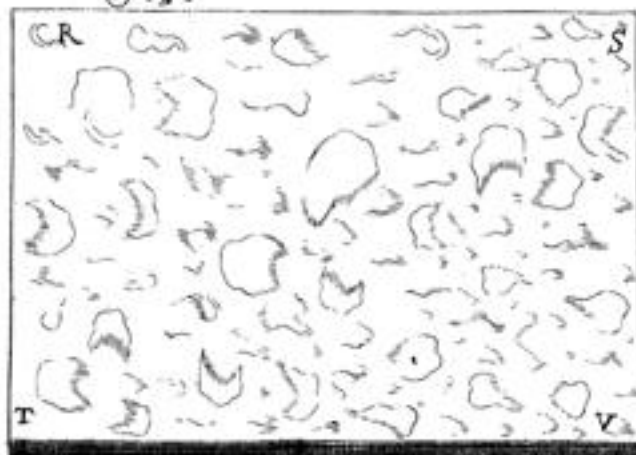
f = 4 -



f. 3.



f. 5.



Tab: 1.

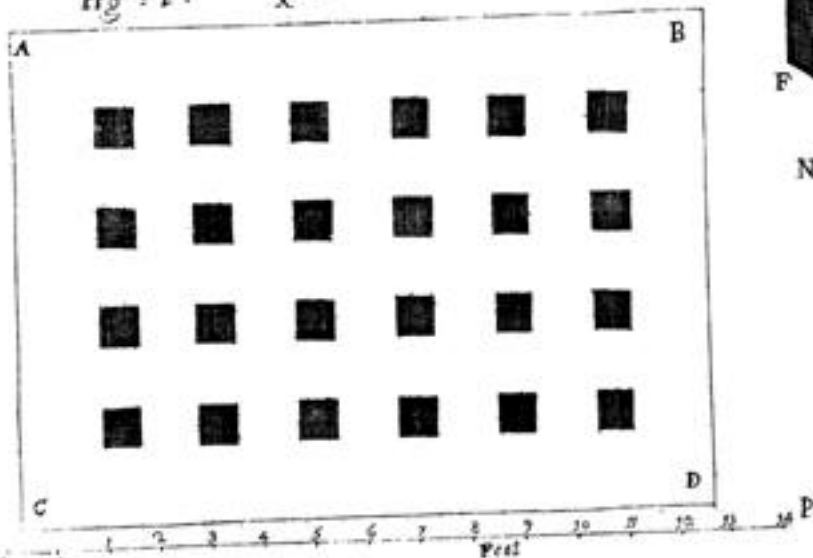
f. 7. Y



f. 6. w



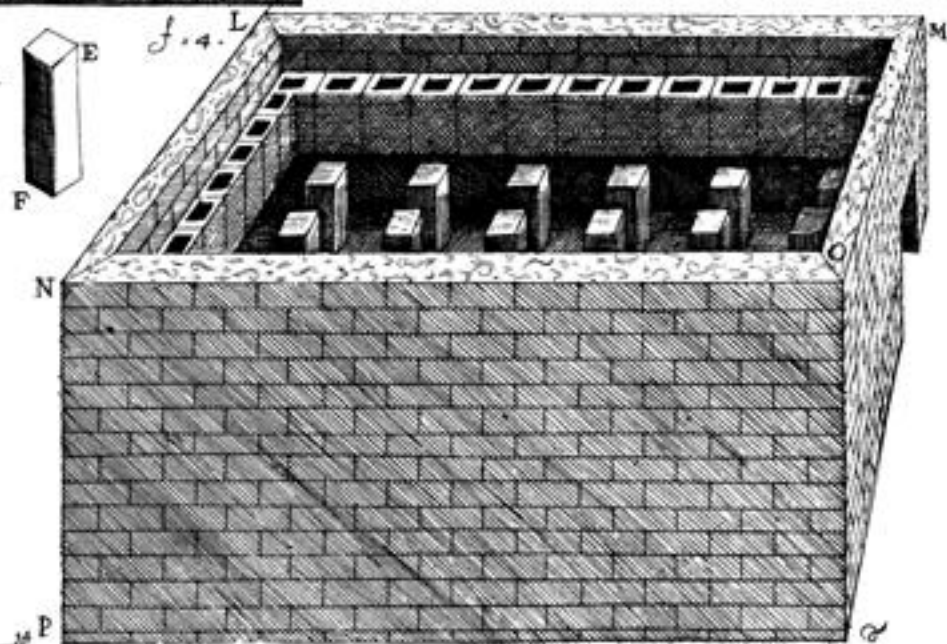
Fig: 1.



f. 2.



f. 4. L



24

Tab: 2

Ph: Tr: N^o: 306