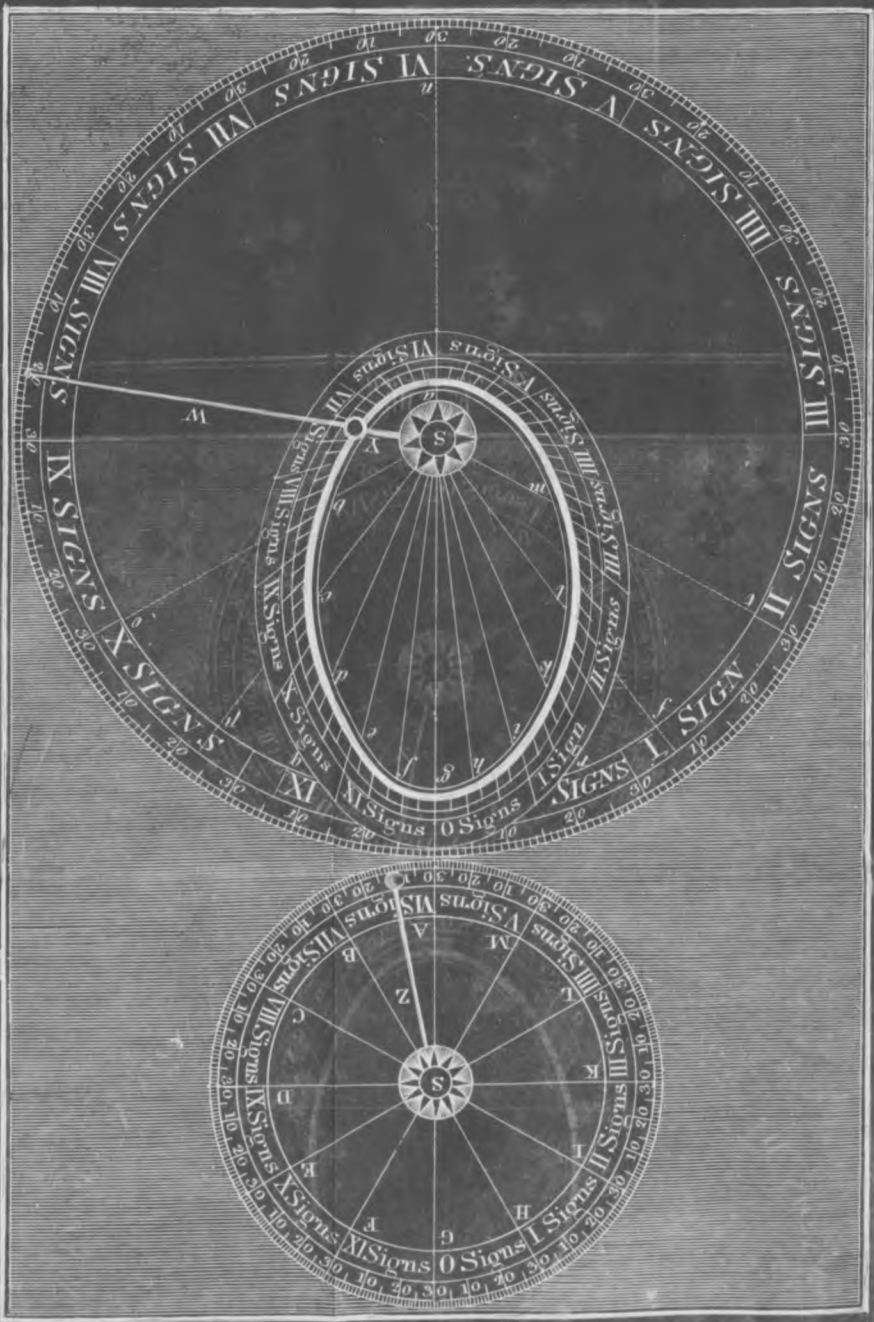


Fig. V.



The Cornucopia
Fig. III.

Fig. I.

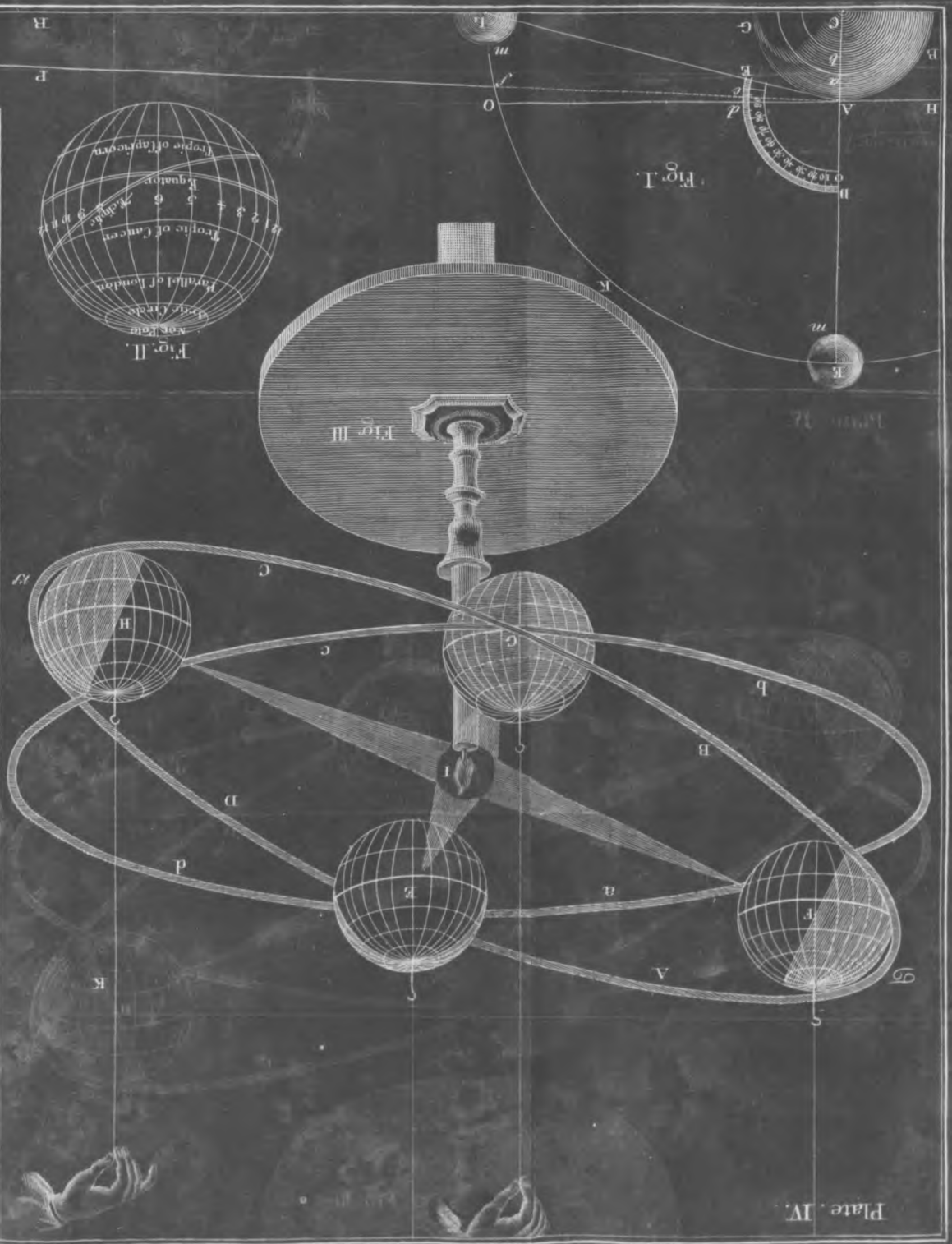


Fig. II.

Fig. III.

Fig. I.

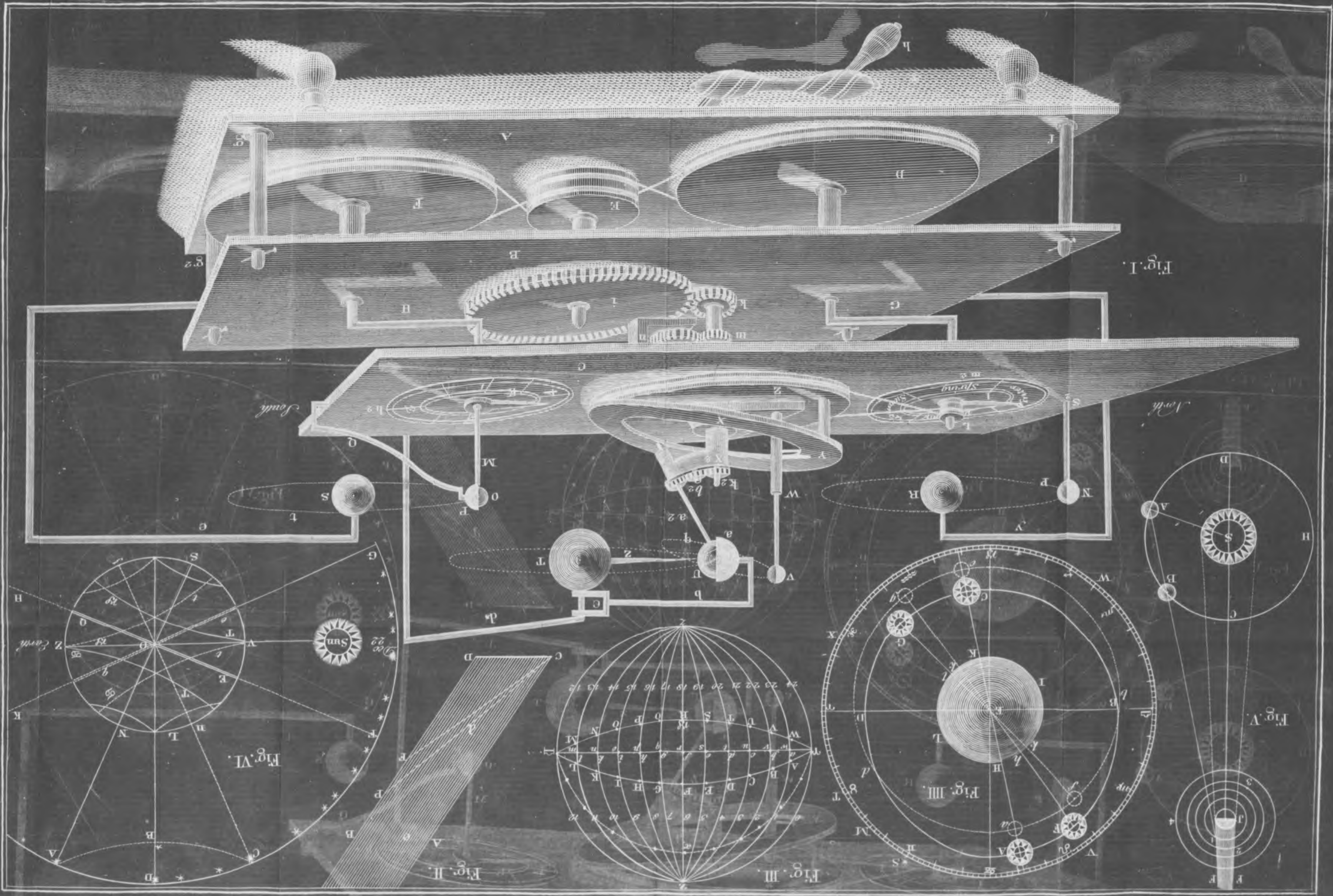


Fig. I.

Fig. VI.

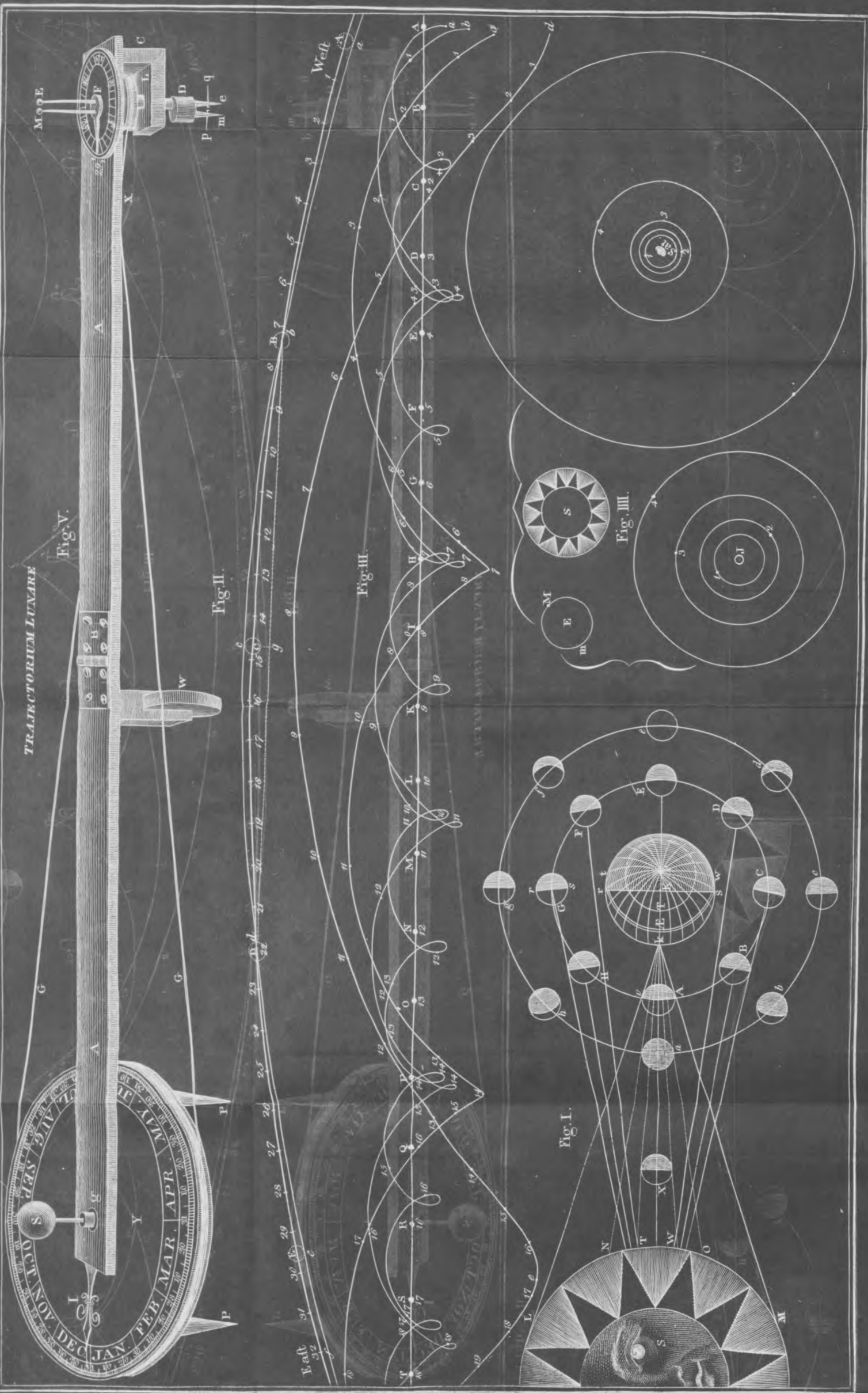
Fig. II.

Fig. III.

Fig. III.

Fig. V.

TRAFECTORIUM LUNARE



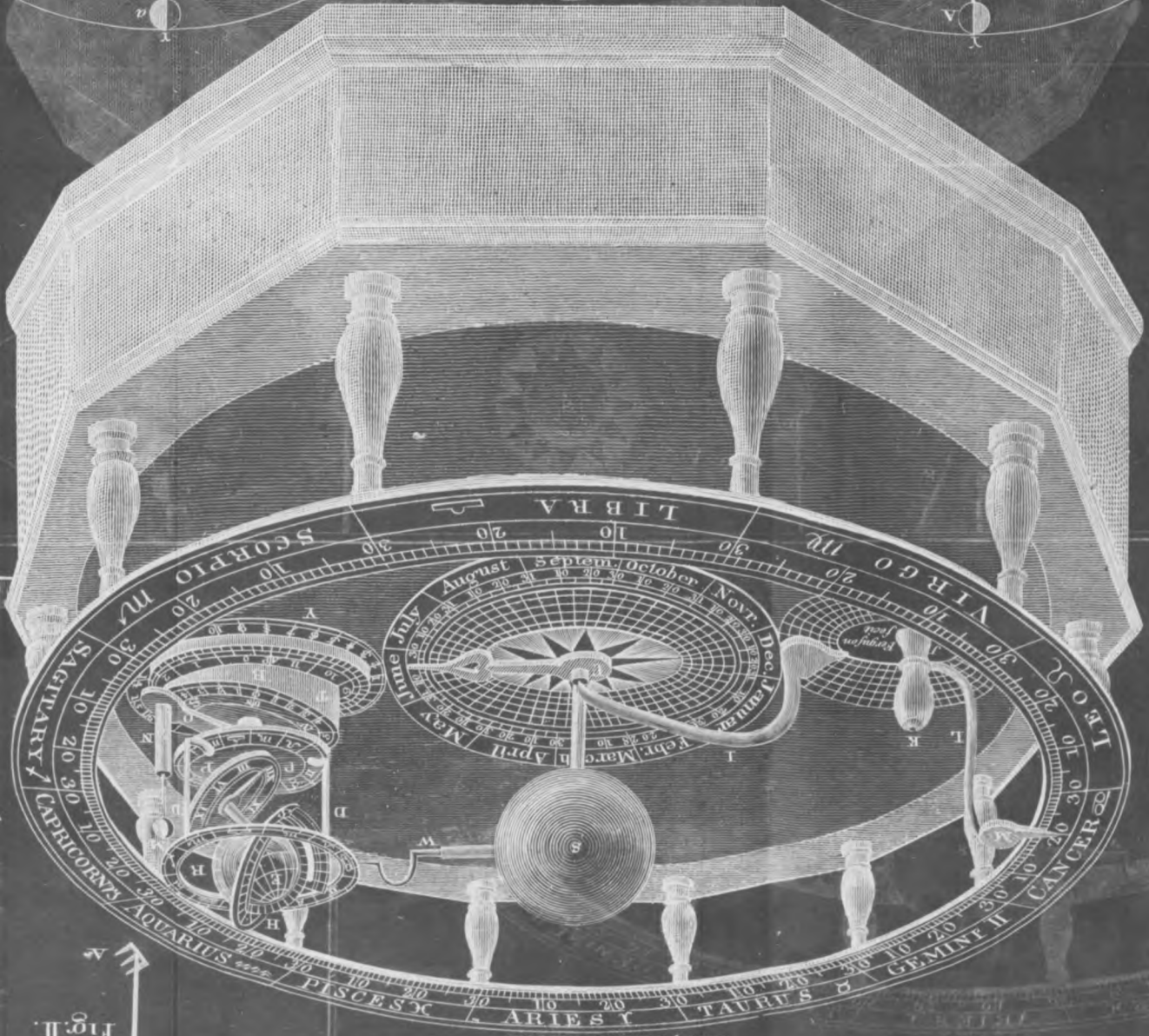


Fig. I.

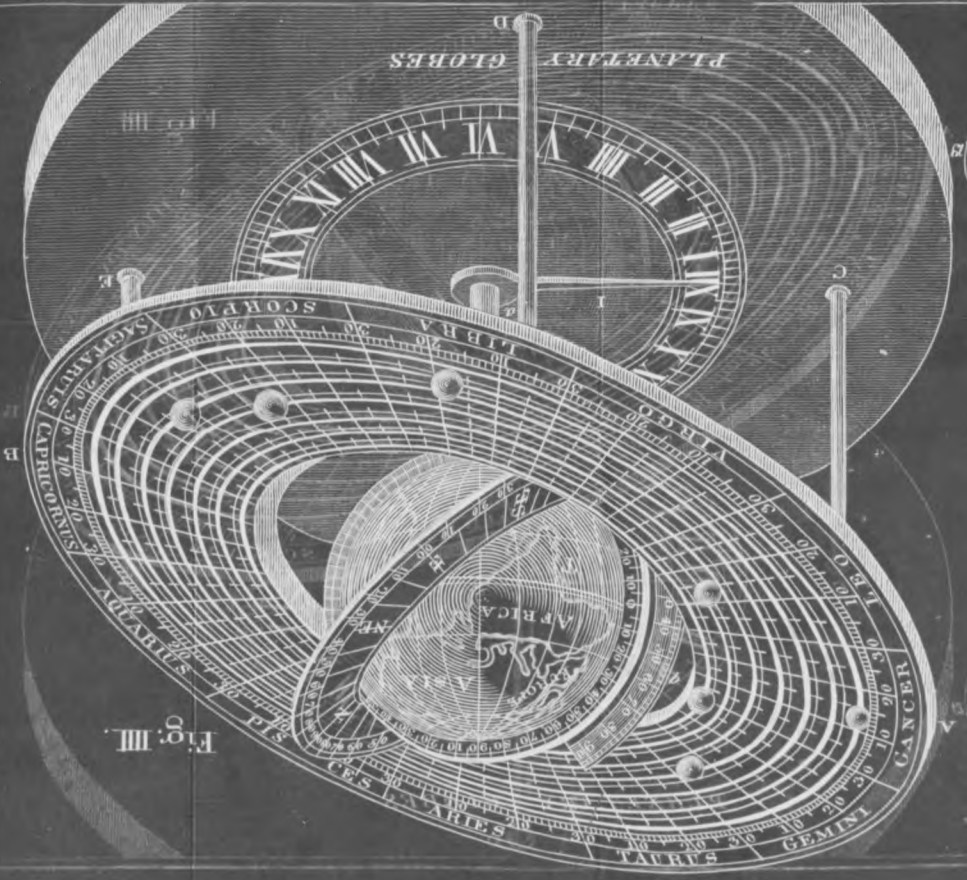


Fig. III.

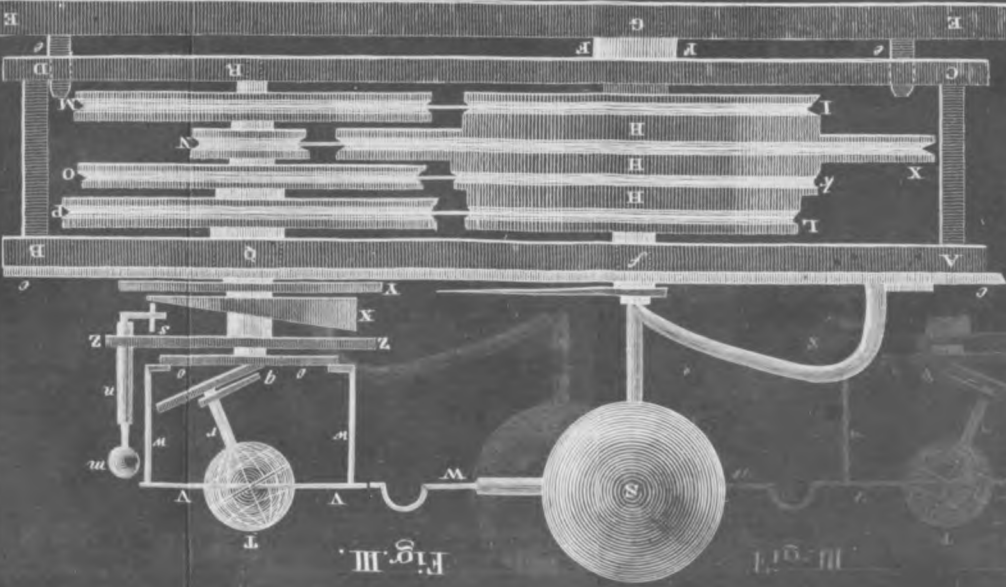


Fig. II.

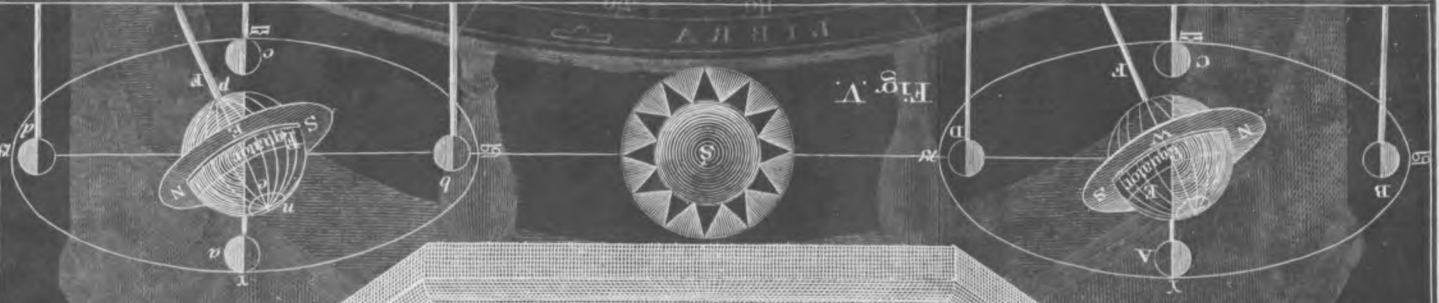
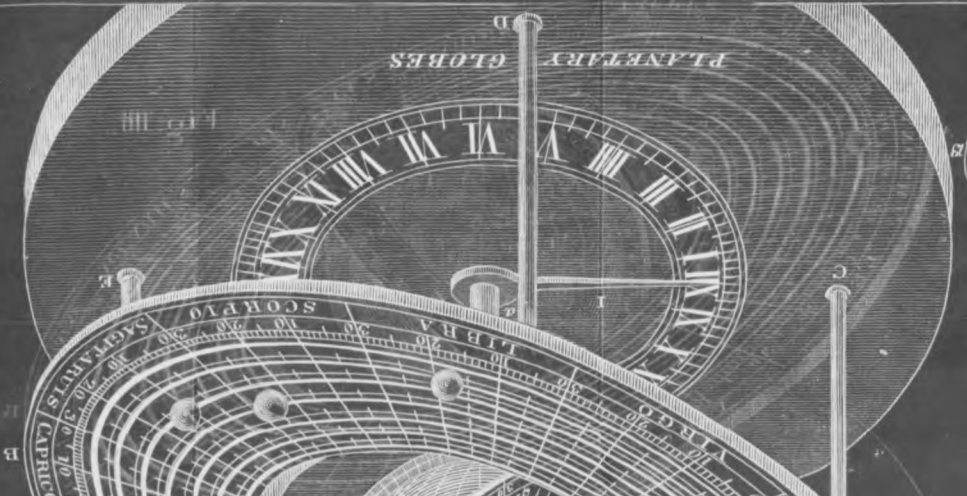


Fig. V.



PLANETARY GLOBES

Plate IX.



Fig. I.

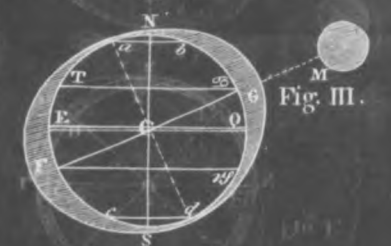


Fig. II.



Fig. III.



Fig. IV.



Fig. V.

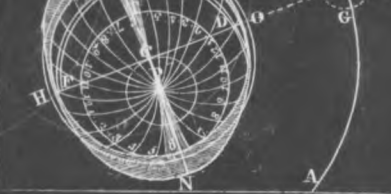


Fig. VI.

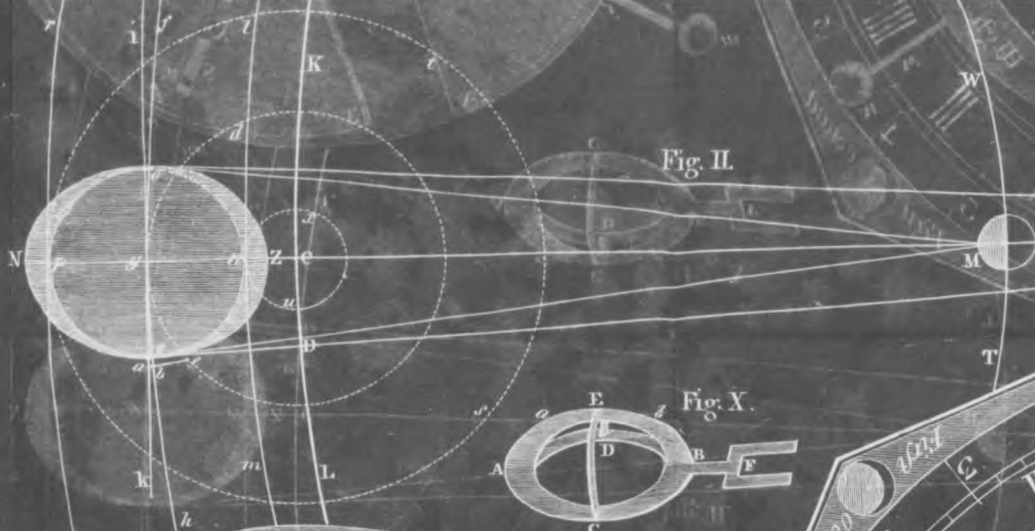


Fig. VII.



Fig. VIII.

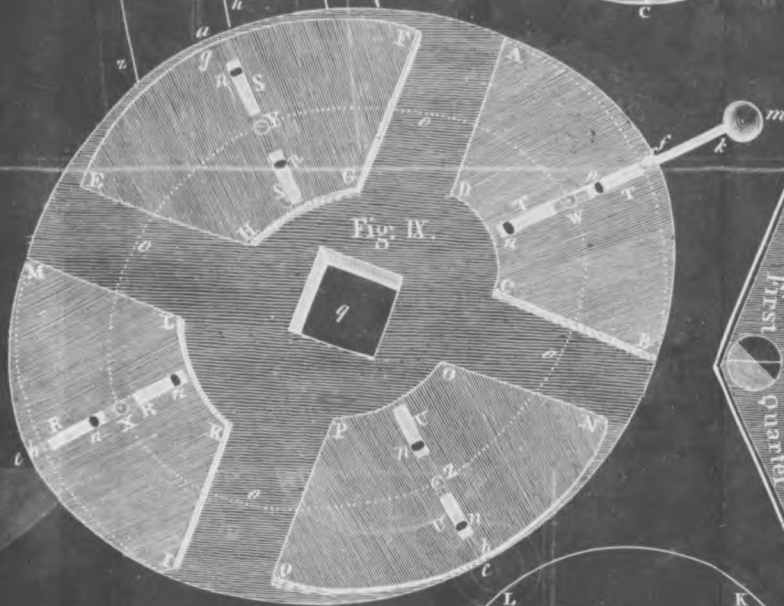


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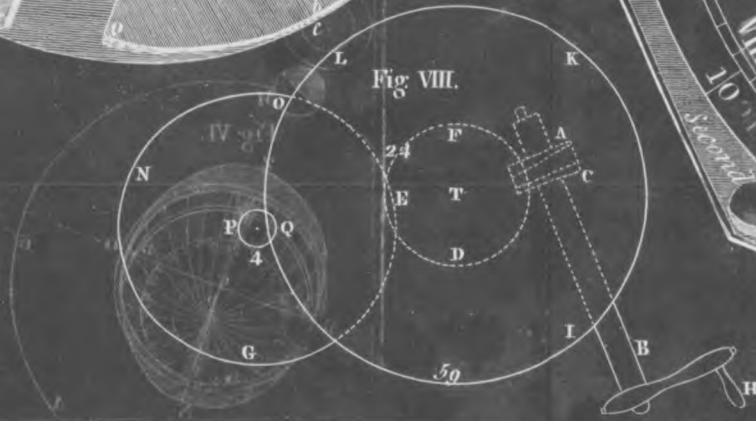
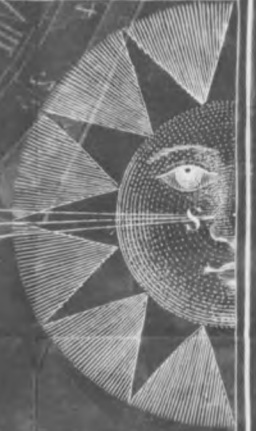


Fig. X.



Fig. XI.



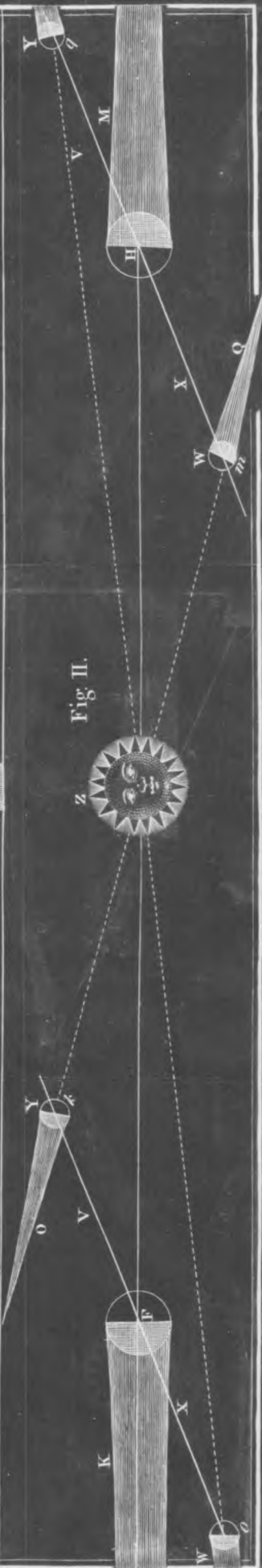
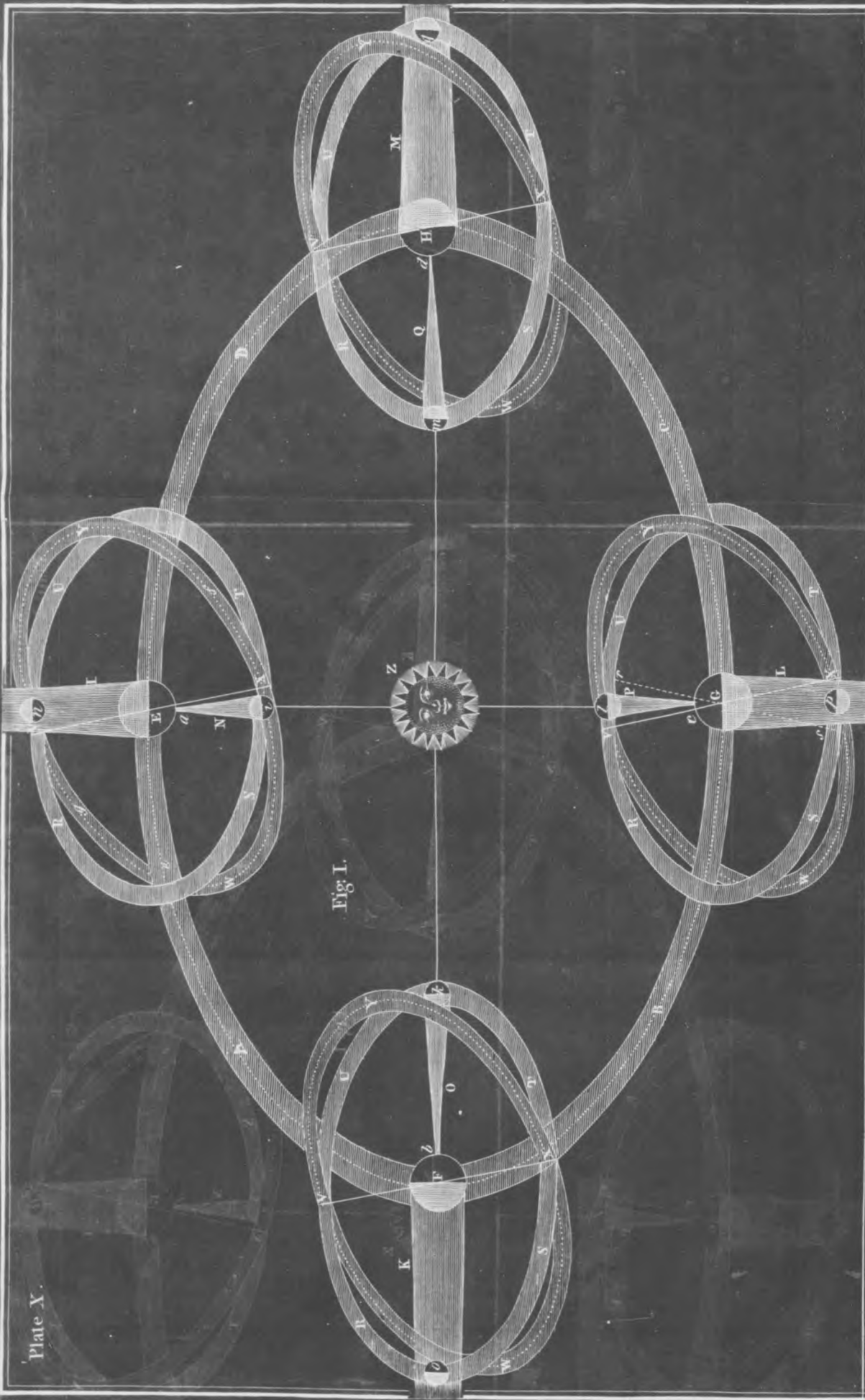


Plate X.

Fig. I.

Fig. II.



Fig. I.

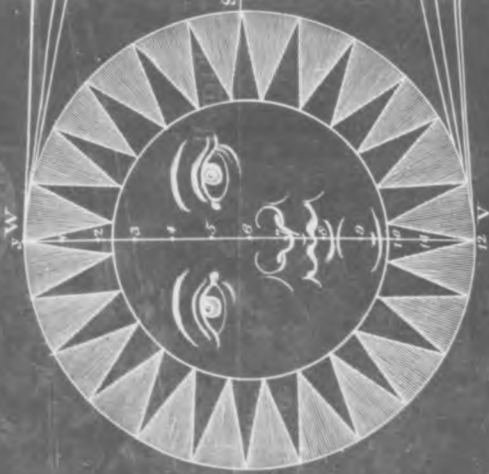


Fig. II.

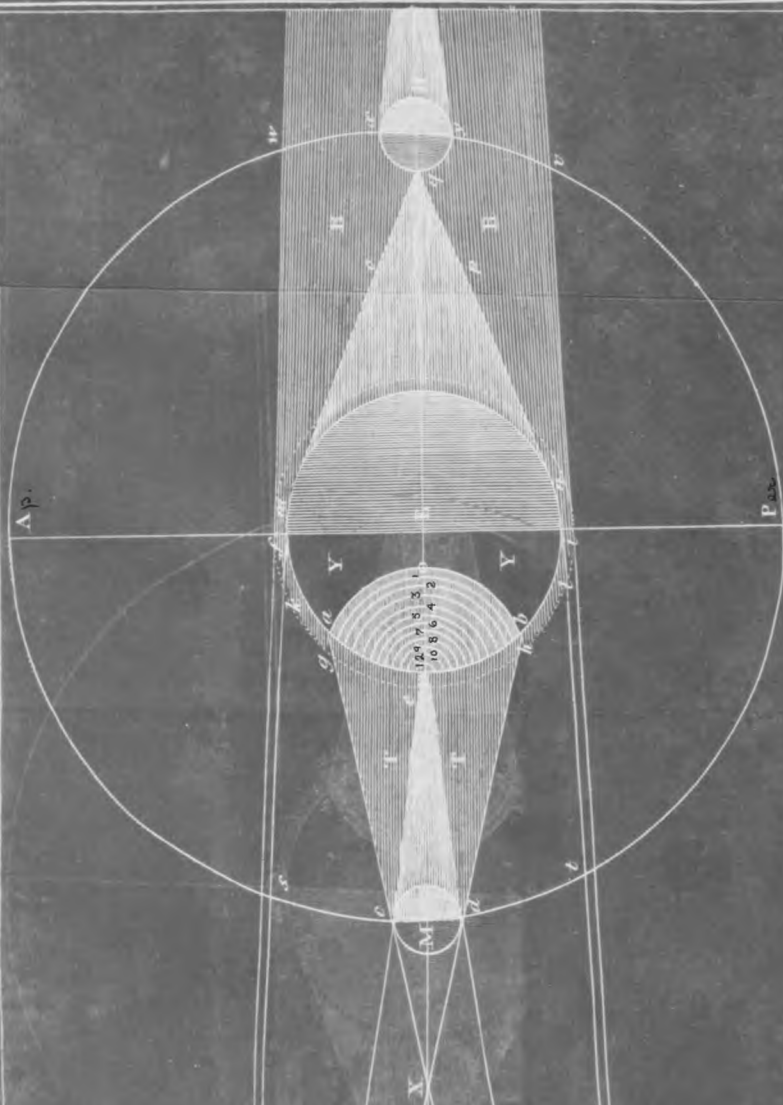


Fig. III.

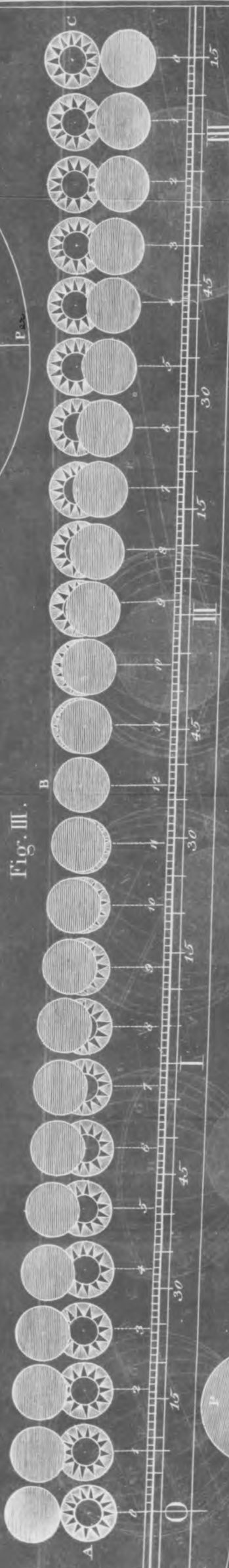
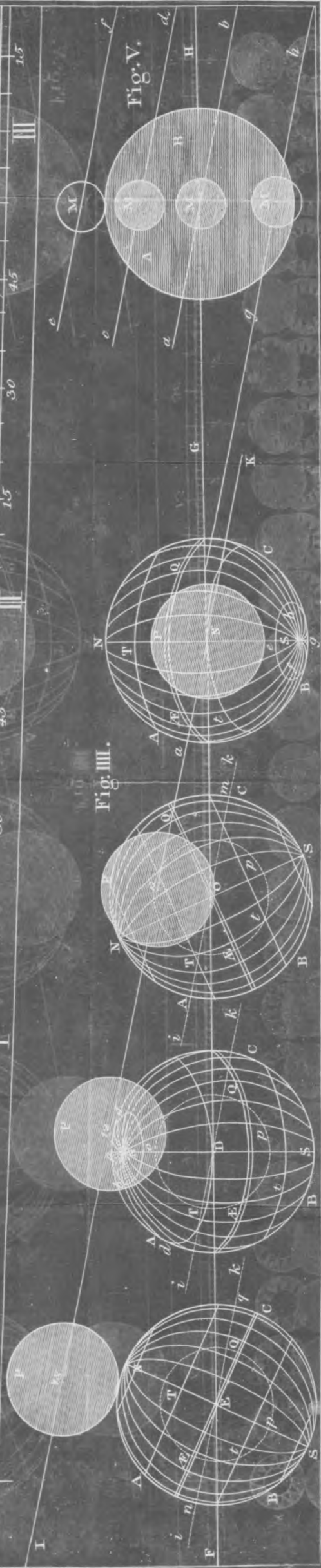


Fig. III.

Fig. V.



The Geometrical Construction of SOLAR and LUNAR ECLIPSES

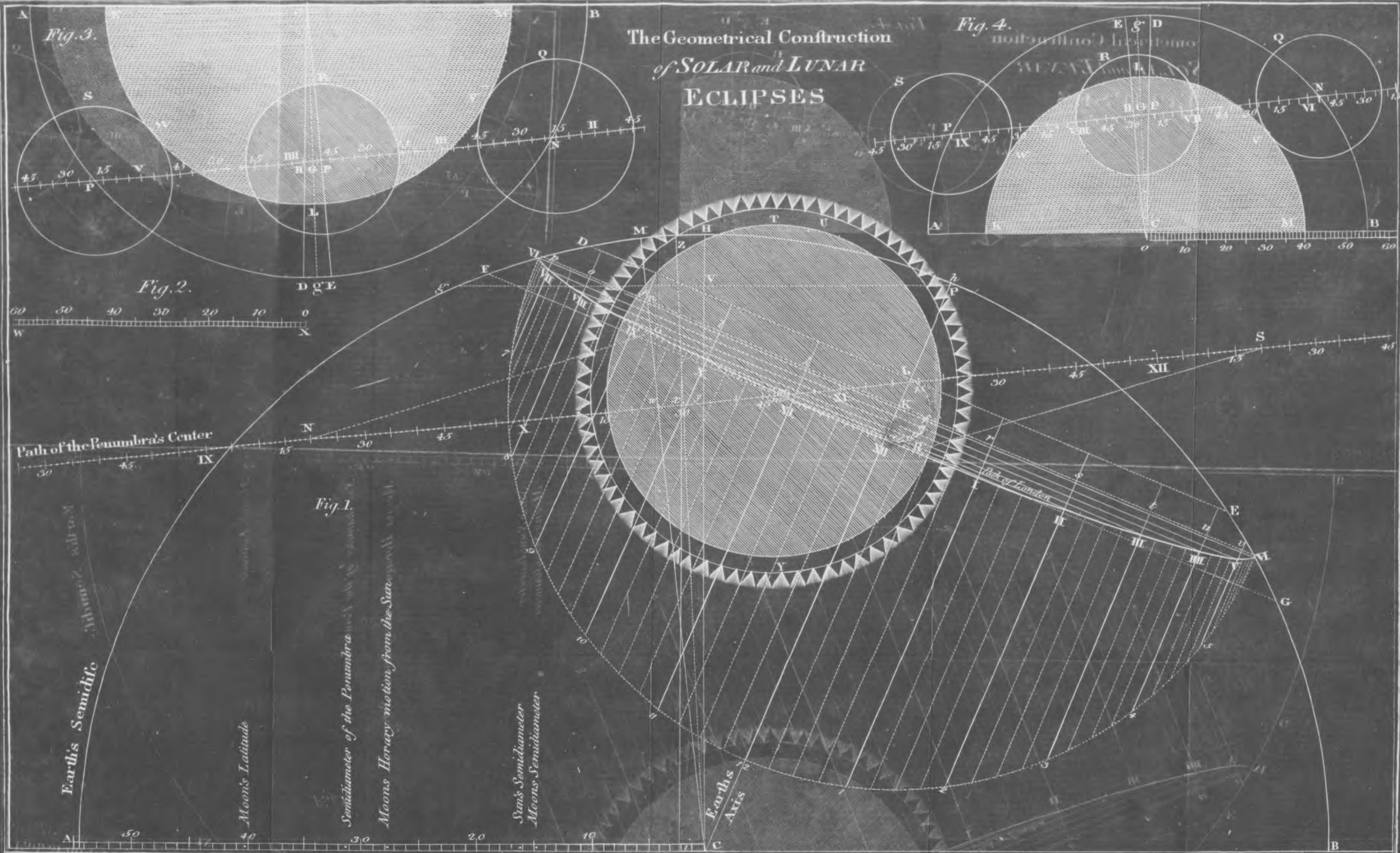


Fig. 3.

Fig. 4.

Fig. 2.

Fig. 1.

Earth's Semidiameter

Moon's Latitude

Semidiameter of the Penumbra

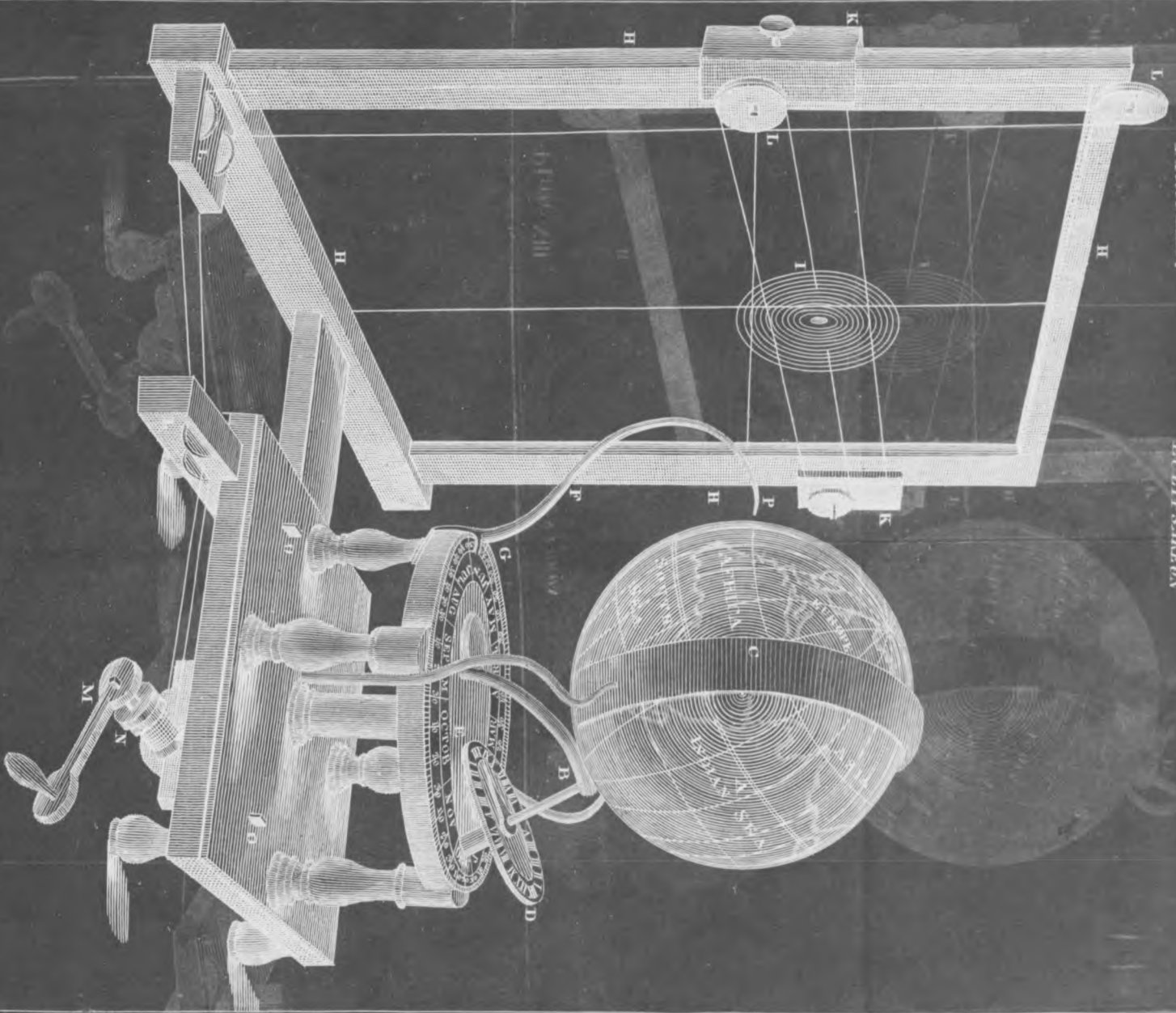
Moon's Horizontal motion from the Sun

Sun's Semidiameter
Moon's Semidiameter

Earth's Axis

Path of the Penumbra's Center

Path of the Moon



THE SOLAR SYSTEM

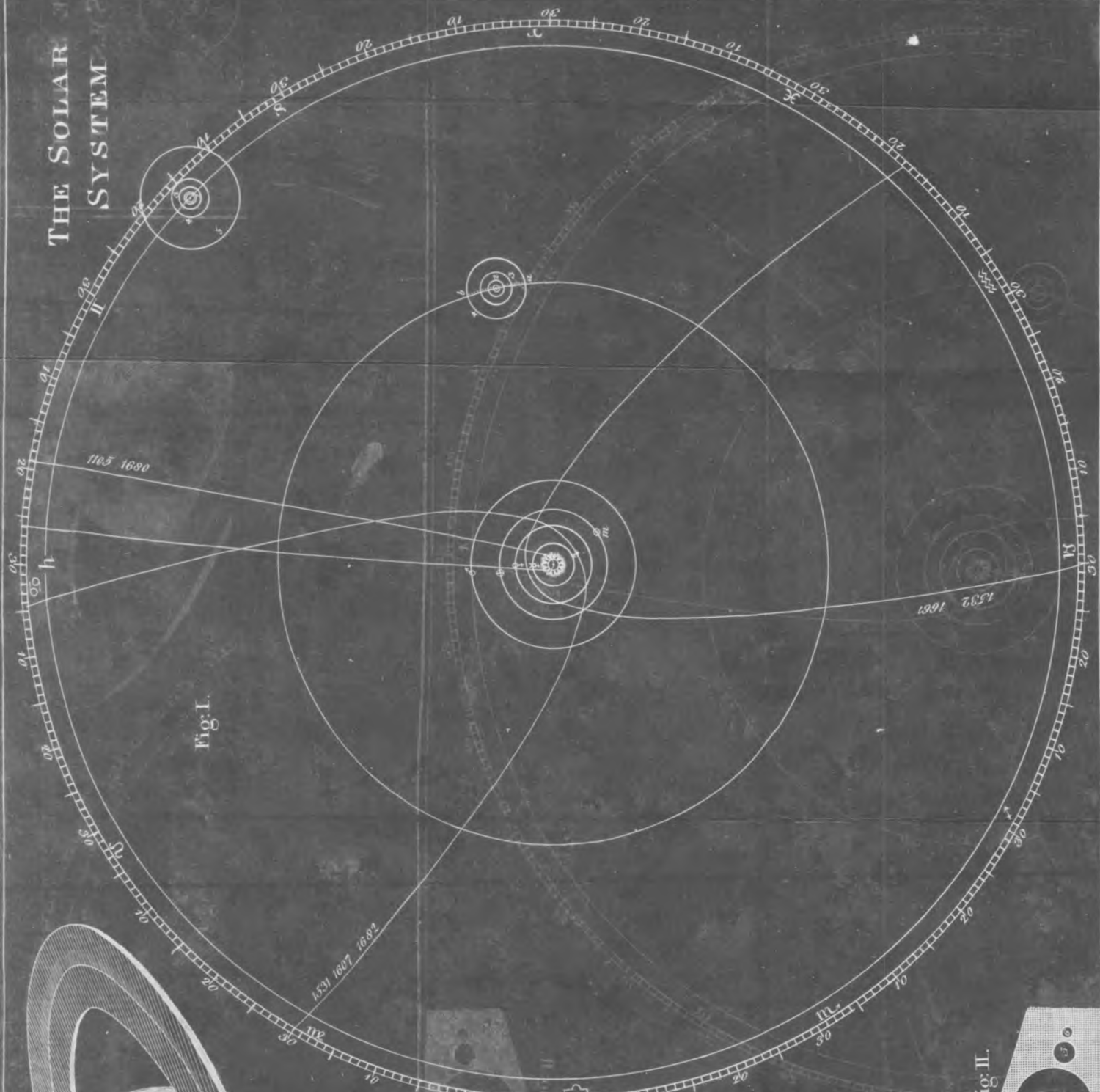


Fig. I.



Fig. II.

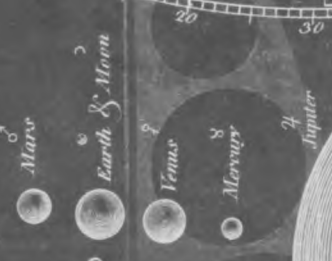


Fig. III.

Fig. V.

Plate I.

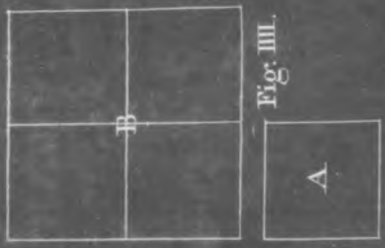
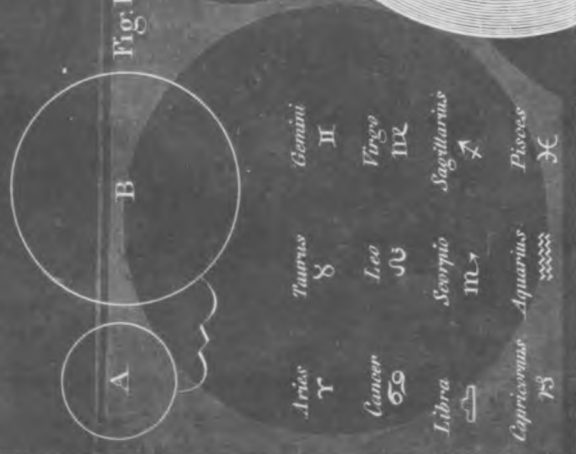


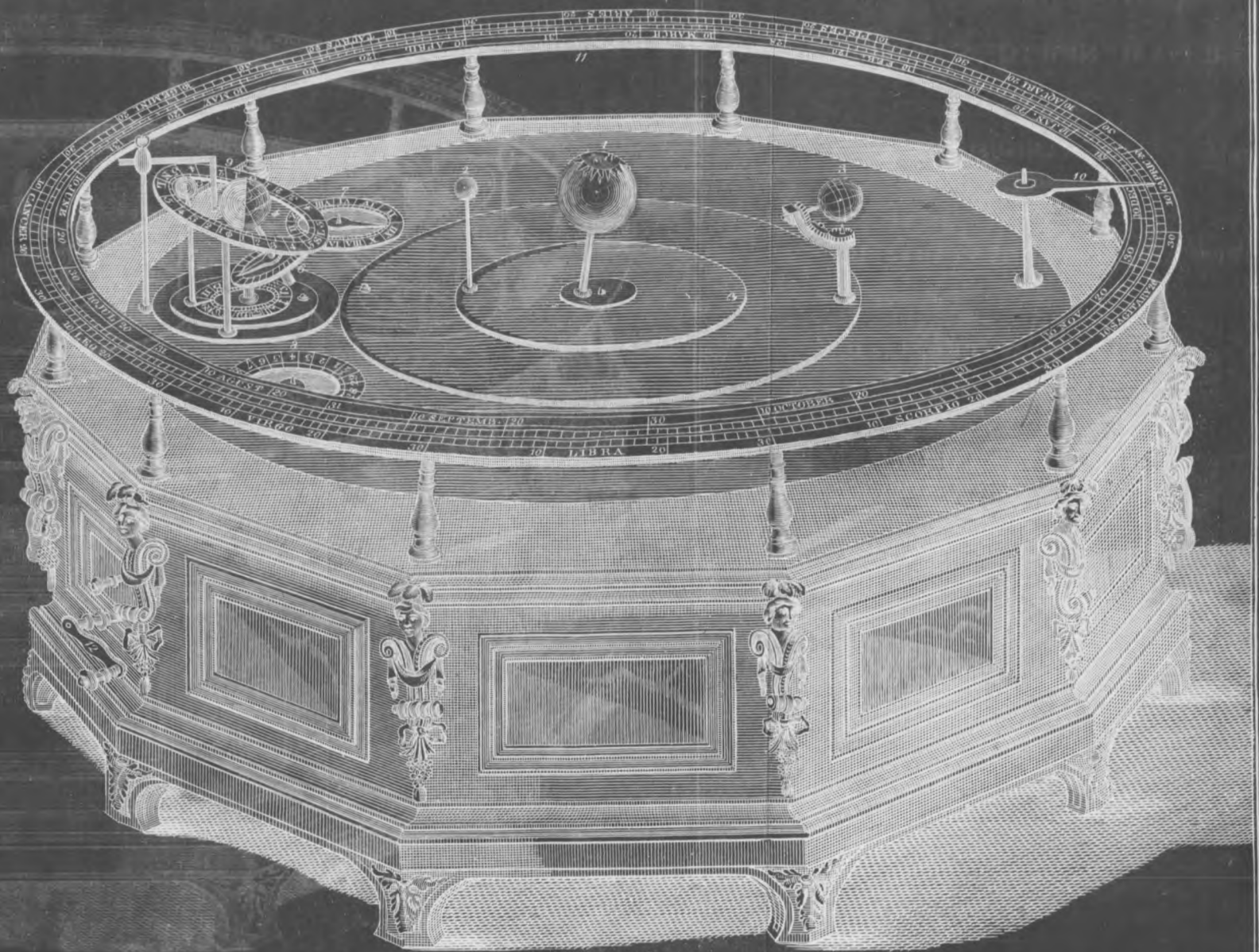
Fig. III.



- | | | |
|-------------|----------|-------------|
| Aries | Taurus | Genavi |
| ♈ | ♉ | ♊ |
| Cancer | Leo | Virgo |
| ♋ | ♌ | ♍ |
| Libra | Scorpio | Sagittarius |
| ♎ | ♏ | ♐ |
| Capricornus | Aquarius | Pisces |
| ♑ | ♒ | ♓ |



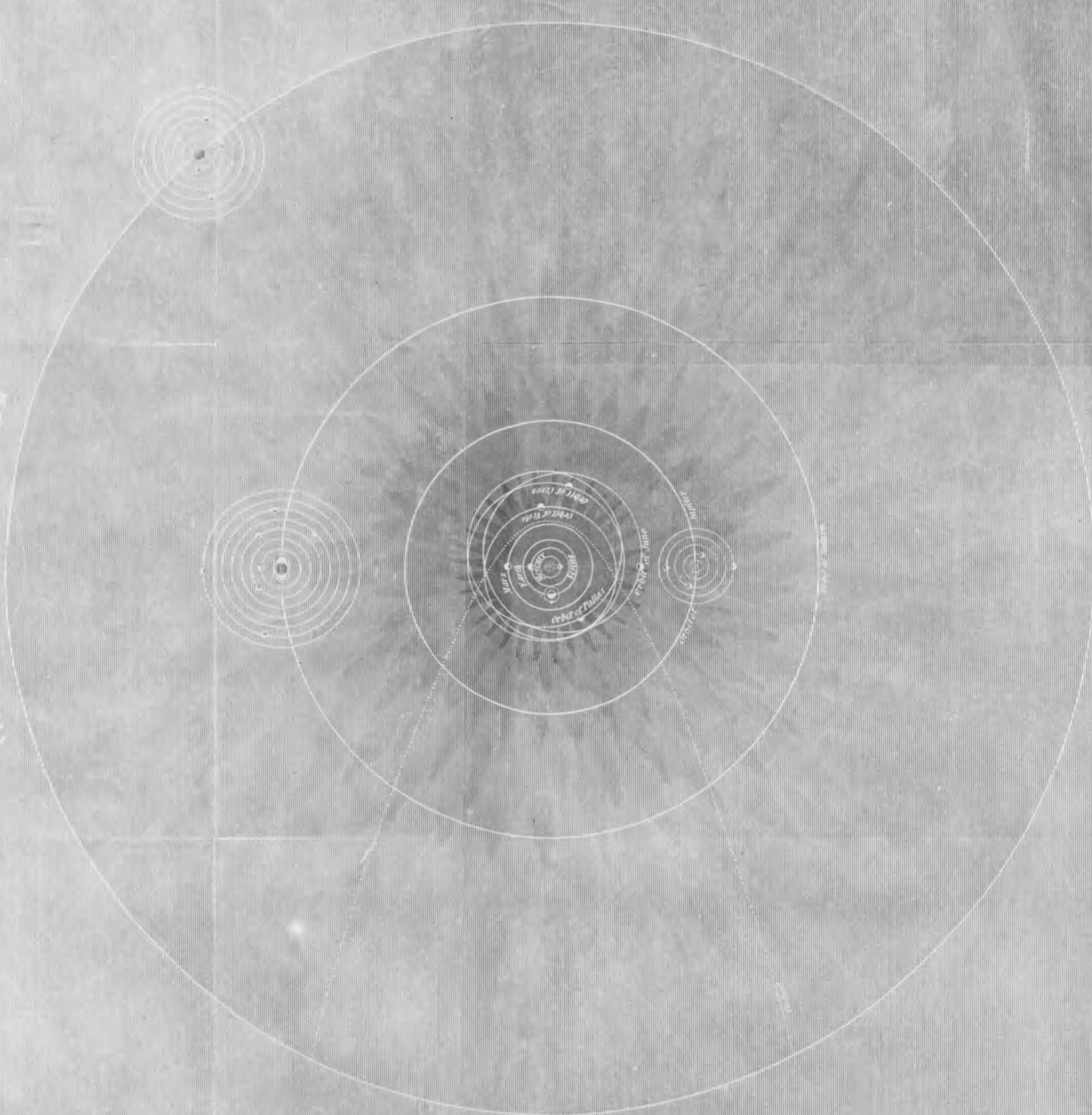
The ORRERY, made by JAMES FERGUSON.



N^o 1 The Sun, 2 Mercury, 3 Venus, 4 The Earth, 5 The Moon, 6 The Sydereal Dial plate 7 The Hour Circle, 8 The Circle for the Moon's Age 9 The Moon's Orbit, 10 The Pointer, shewing the Sun's Place & Day of the Month, 11 The Ecliptic, 12 The Handle for turning the whole Machine.

D. Lizars Sculp.

VIEW OF THE SOLAR SYSTEM



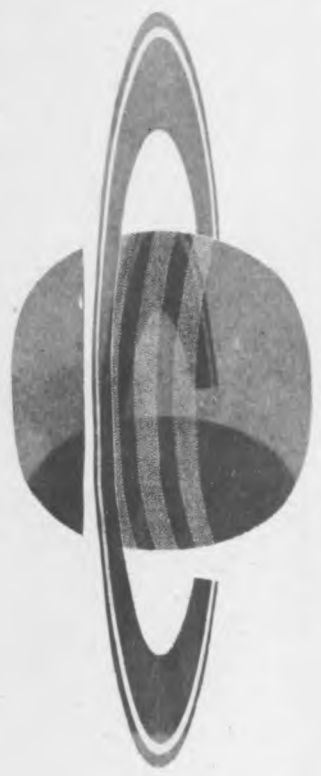


Fig. 7



Fig. 9



Fig. 1



Fig. 2



Fig. 3

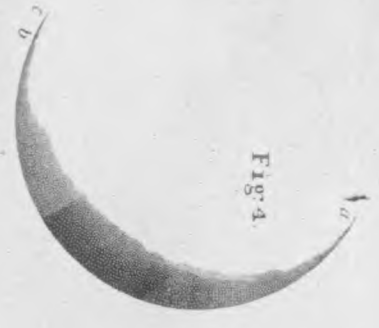


Fig. 4



Fig. 5

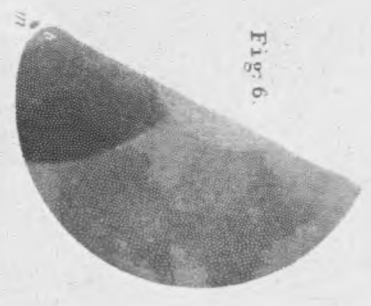


Fig. 6

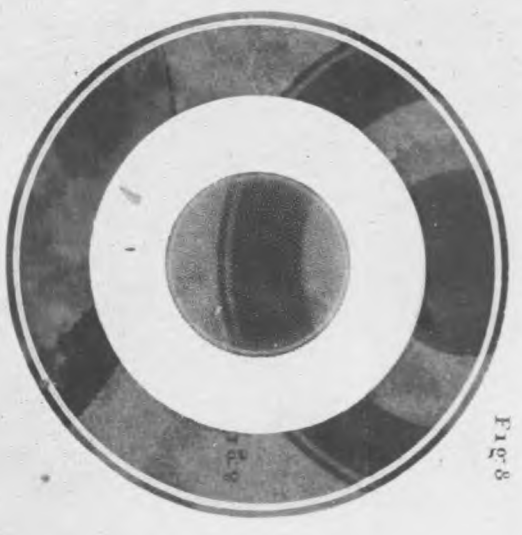


Fig. 8



Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.



Fig. 7.



Fig. 8.



Fig. 9.



Fig. 10.



Fig. 11.



Fig. 12.

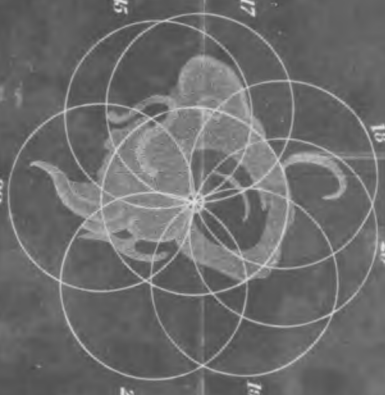


Fig. 13.



Fig. 14.



Fig. 15.

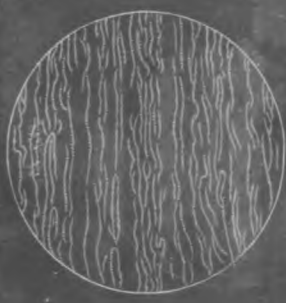


Fig. 16.

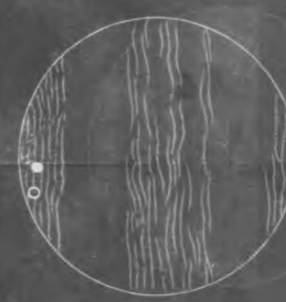


Fig. 17.



Fig. 18.

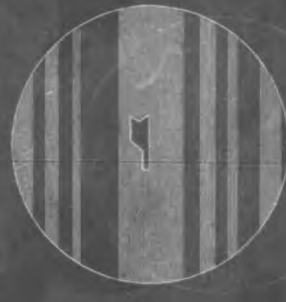


Fig. 19.

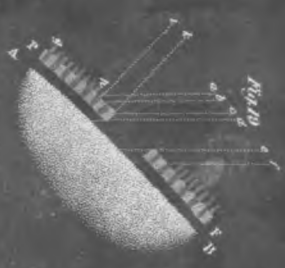


Fig. 20.



Fig. 21.



Fig. 22.



Fig. 23.



Fig. 24.



Fig. 25.



Fig. 26.



Fig. 27.

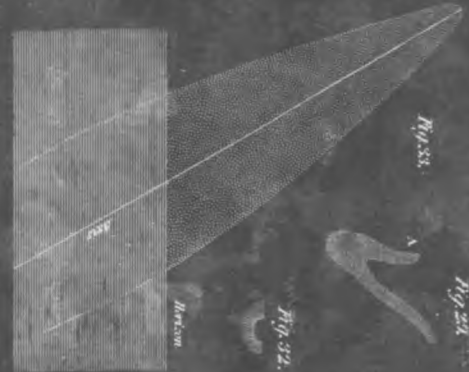


Fig. 28.



Fig. 29.

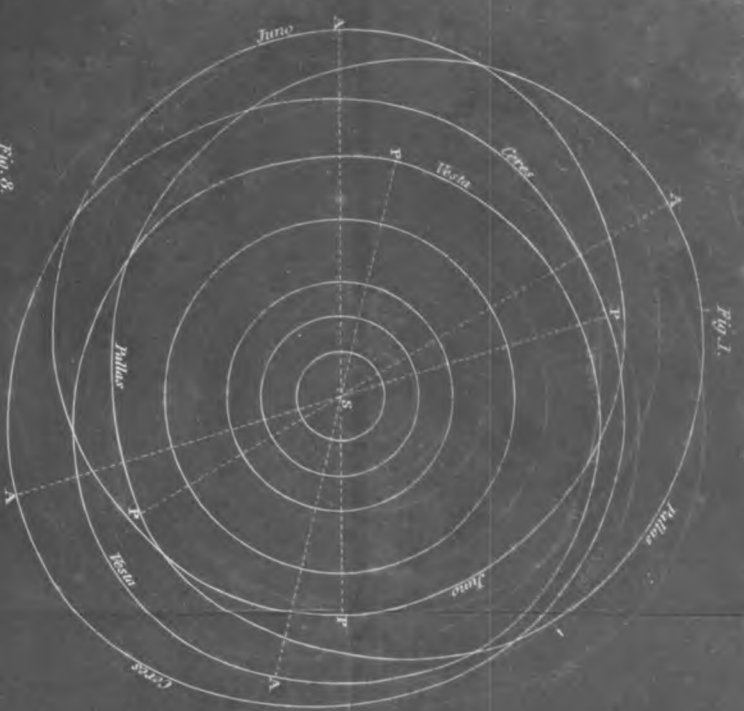


Fig. 1.

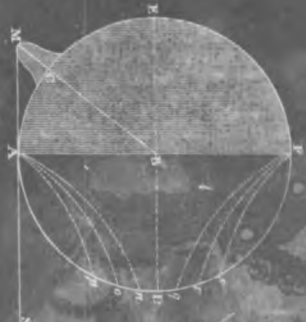


Fig. 2.

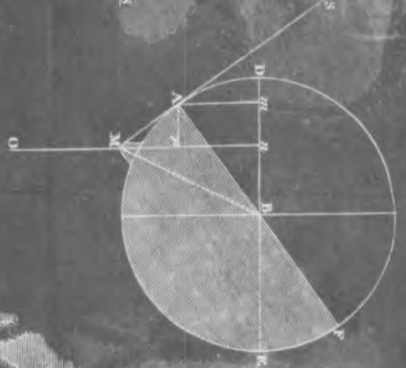


Fig. 3.



Fig. 4.



Fig. 5.

Monarch in Lima



Fig. 6.



Fig. 8.

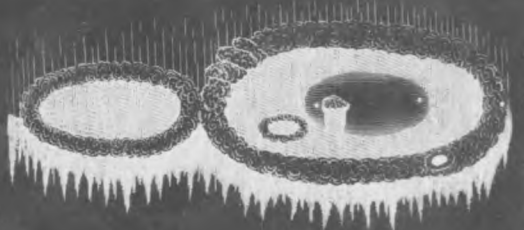


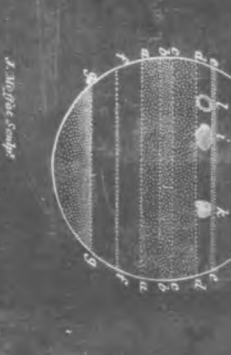
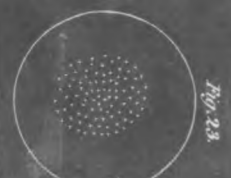
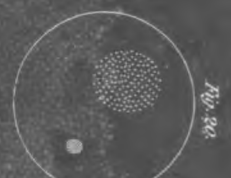
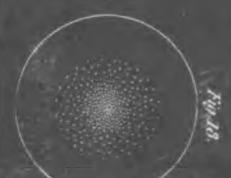
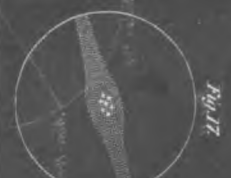
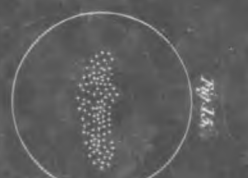
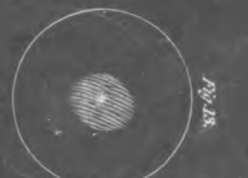
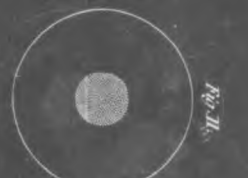
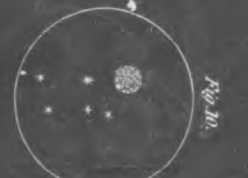
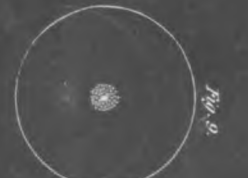
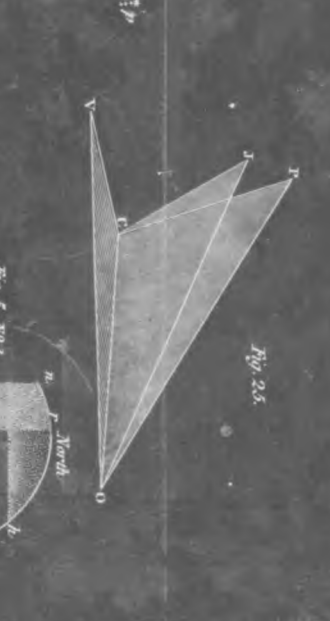
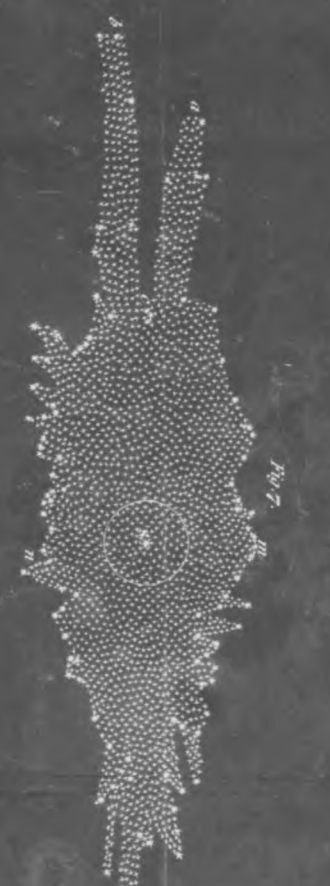
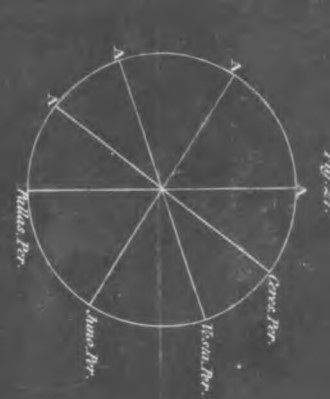
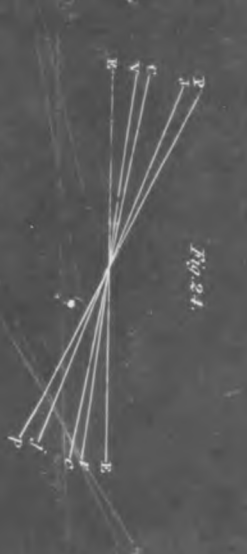
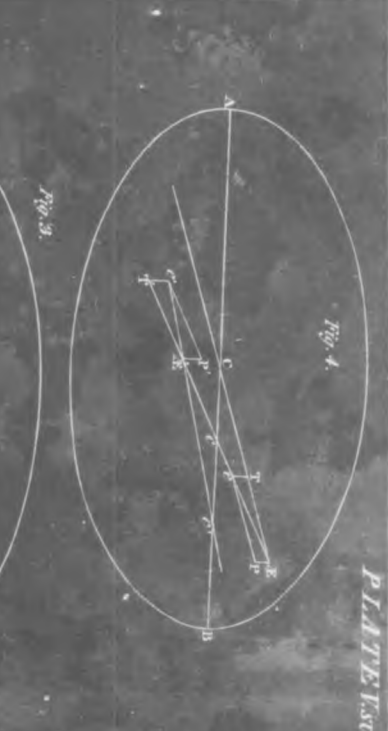
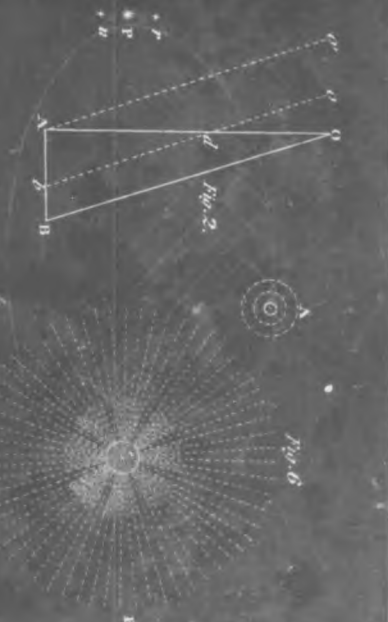
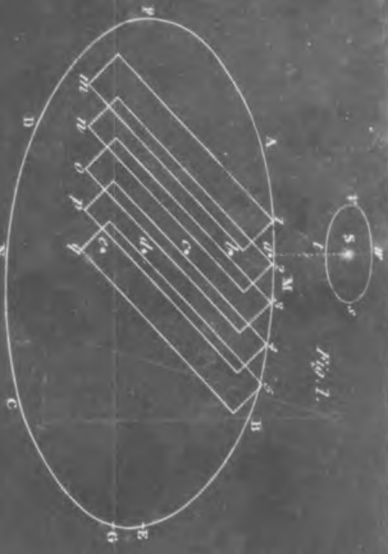
Fig. 6.



Fig. 7.

The highest of the highest
The highest of the highest
in the world

W. H. R. S. S.



x. Angles 5 and 6



Fig. 1.

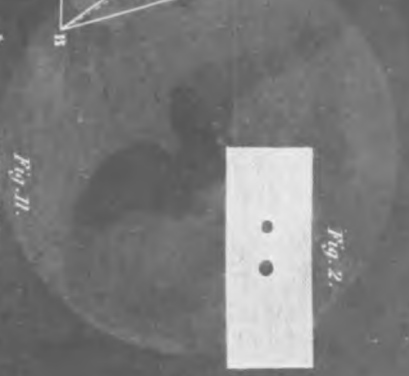


Fig. 2.



Fig. 12.

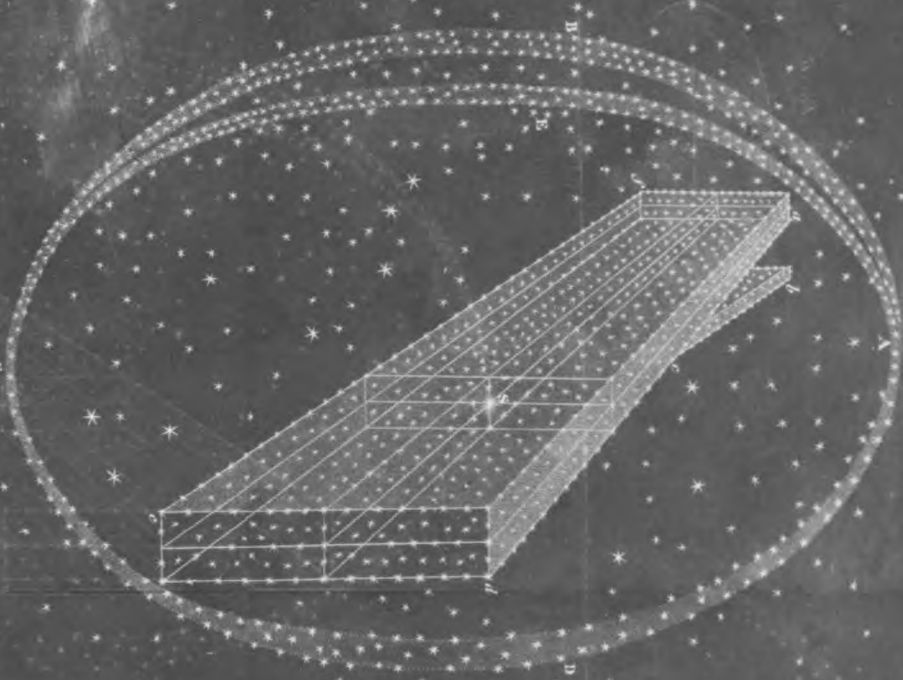


Fig. 11.

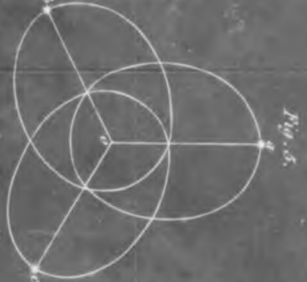


Fig. 5.



Fig. 4.



Fig. 3.

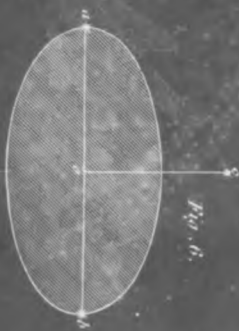


Fig. 6.

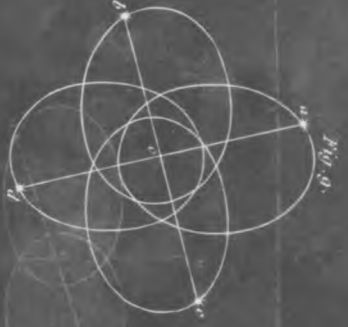


Fig. 9.

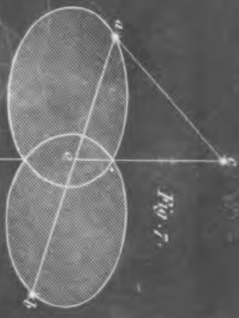


Fig. 7.



Fig. 8.

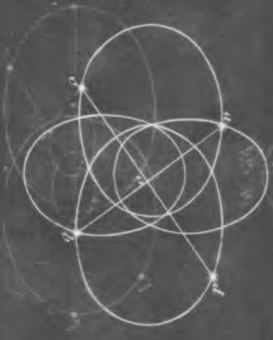
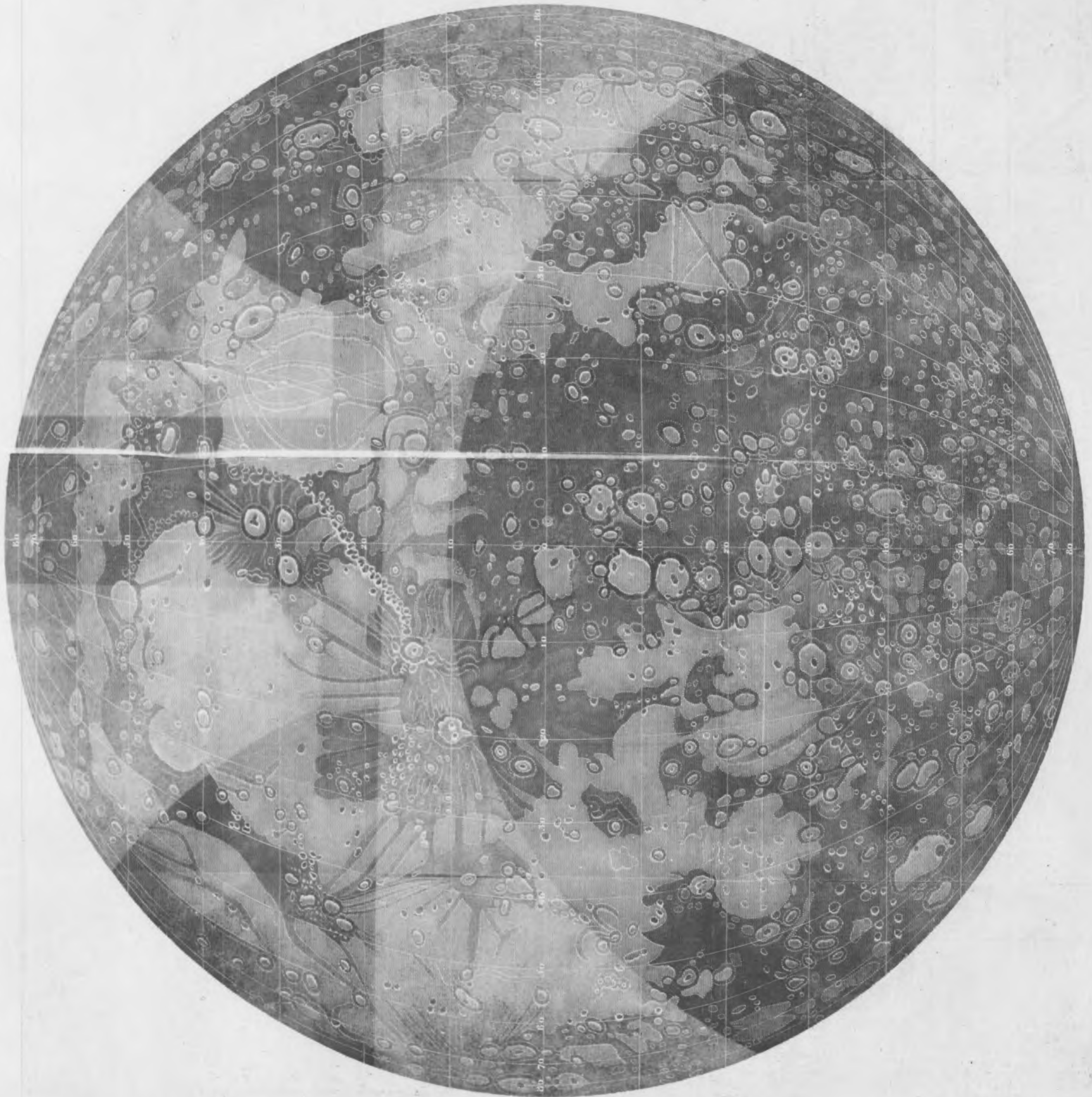


Fig. 10.



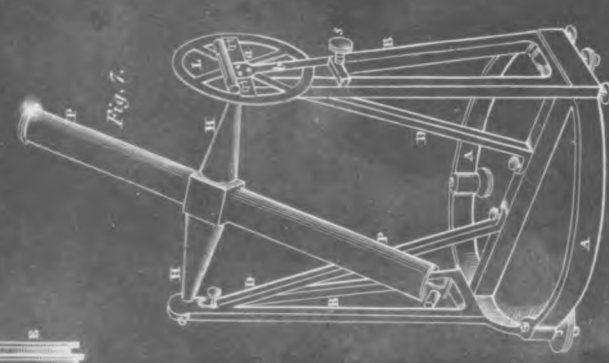
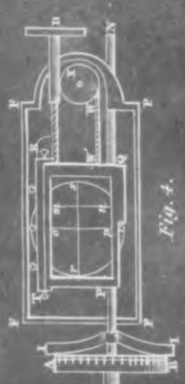


Fig. 6.



Fig. 3.

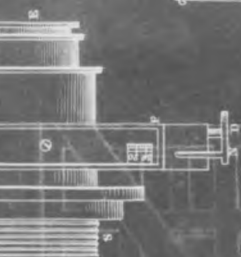


Fig. 5.



Fig. 8.

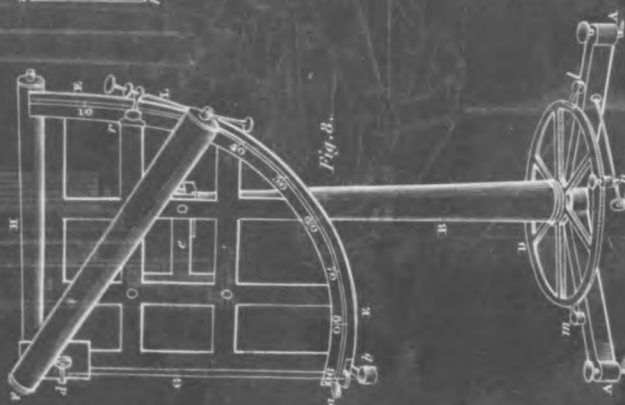


Fig. 6.

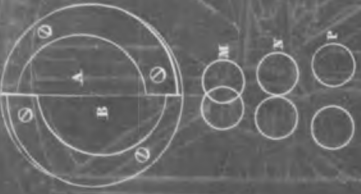
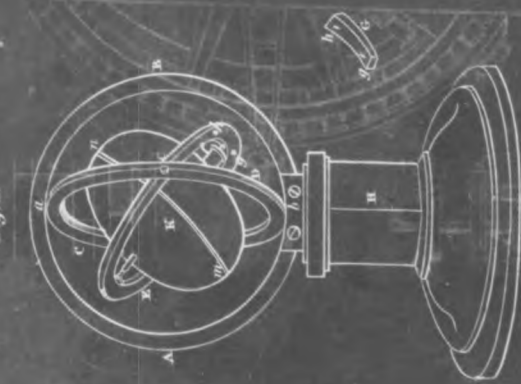


Fig. 1.



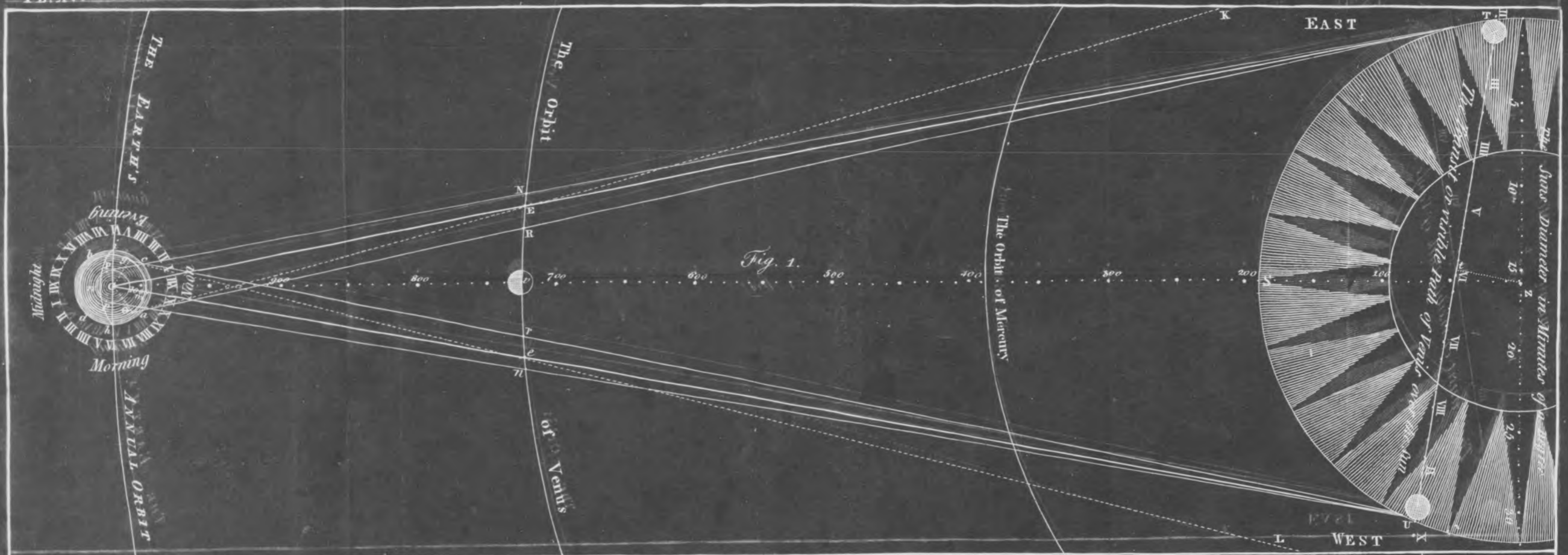


Fig. 1.

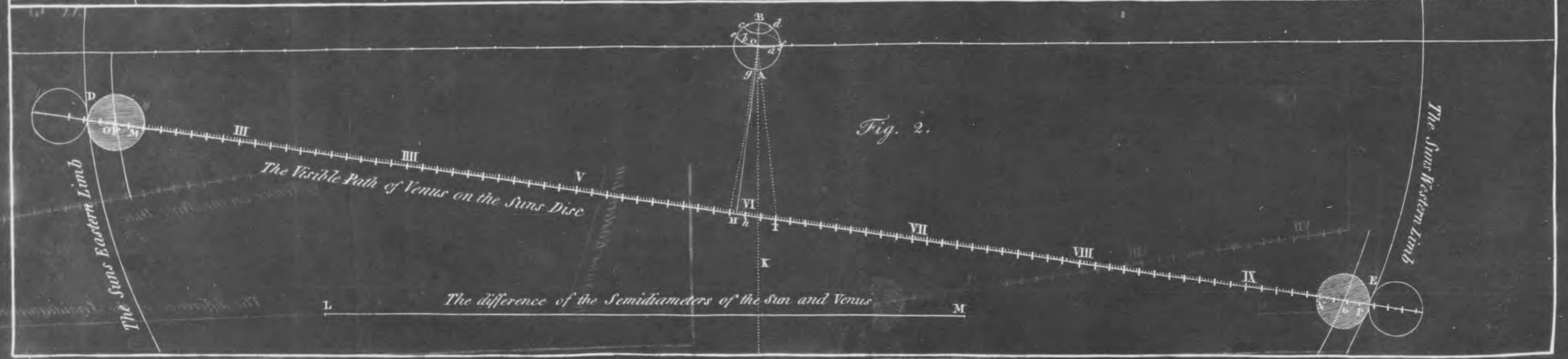
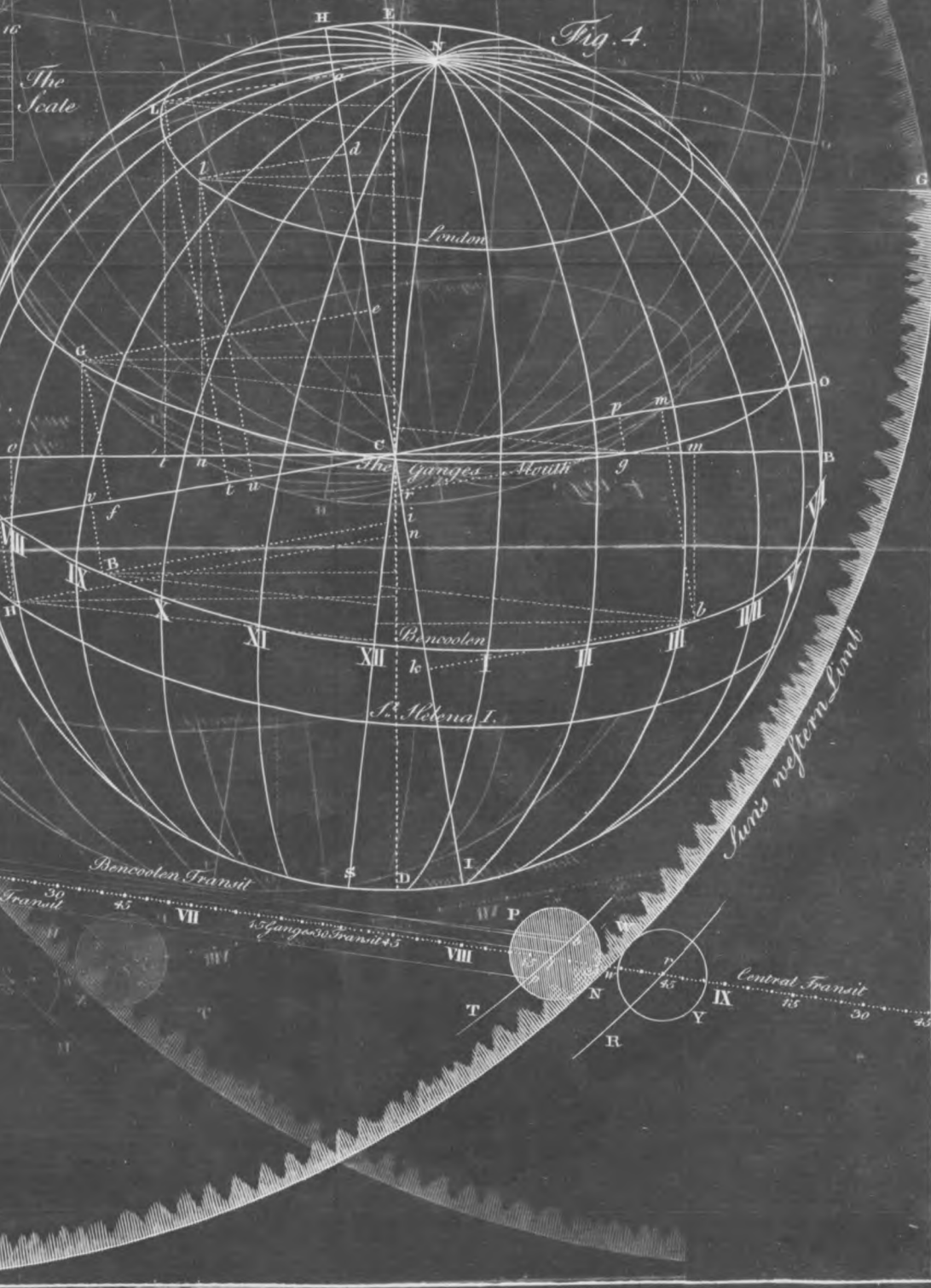
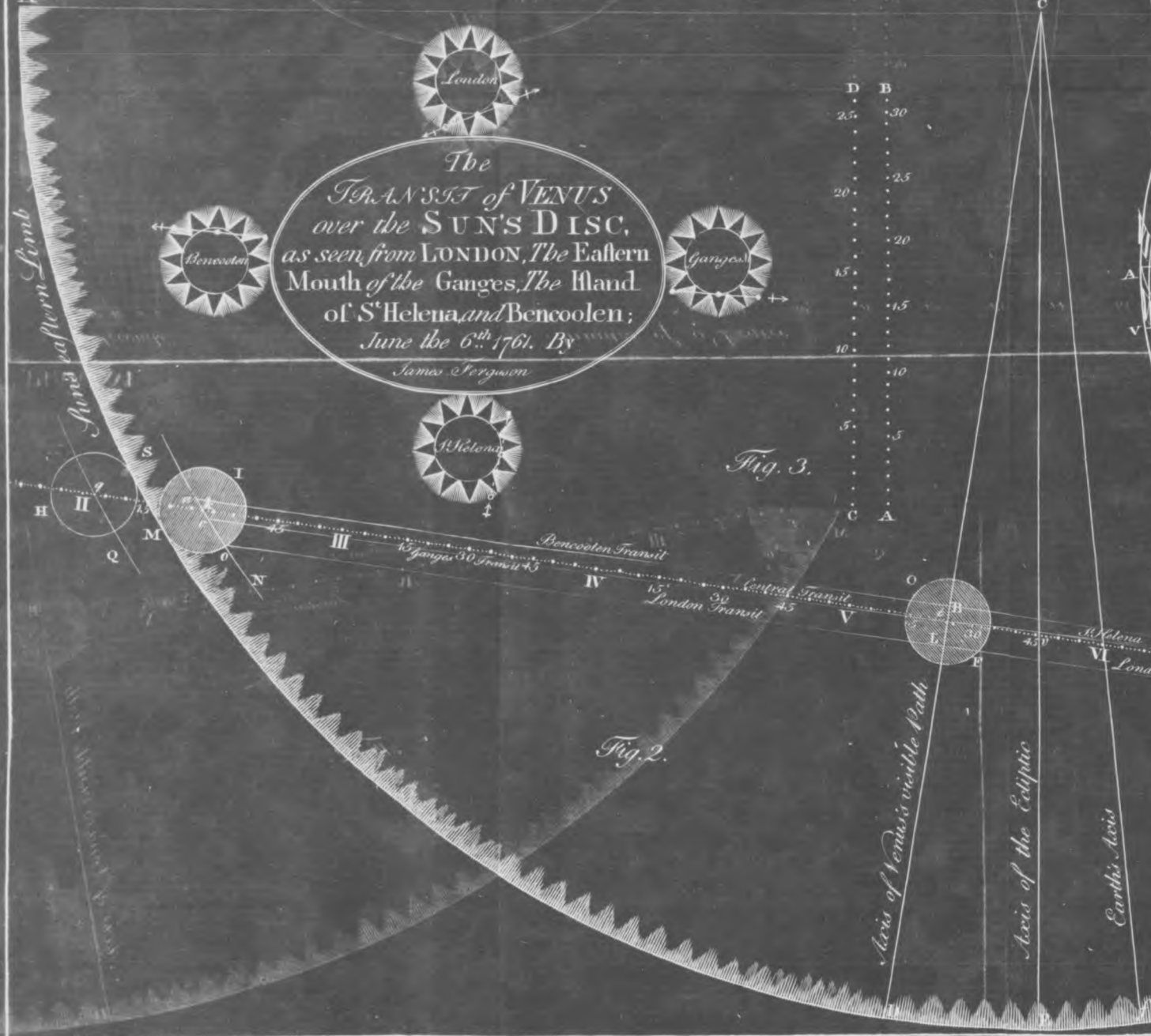


Fig. 2.



The
TRANSIT of VENUS
 over the **SUN'S DISC**,
 as seen from **LONDON**, The Eastern
 Mouth of the **Ganges**, The Island
 of **S^t. Helena**, and **Bencoolen**;
 June the 6th 1761. By
 James Ferguson



Axis of Venus's visible Path
 Axis of the Ecliptic
 Earth's Axis

A MAP of the EARTH,

Upon which are marked the Hours and Minutes of true Times of the Entrance and Exit of VENUS. in its Passage over the SUN'S DISC, June 6th 1761. The Times are computed to the Meridian of LONDON, and that which is expressed upon each dotted Line shews when the Transit begins or ends at all those Places which the same Line Passes through. The beginning is between II and III in the Morning and the end between VIII & IX The four Black curve Lines shew at what Places the Transit begins and at what Places its ends, both at Sun-rising and Sun-setting.

