Oona Leganovic

A SHORT POLITICAL HISTORY OF ACOUSTICS

For whom, and to do what, the science of sound was developed in the 17th century

Giambattista della Porta
(1535 (?) – 1615)

Francis Bacon (1561–1626)

Marin Mersenne
(1588–1648)

Athanasius Kircher (1602–1680)

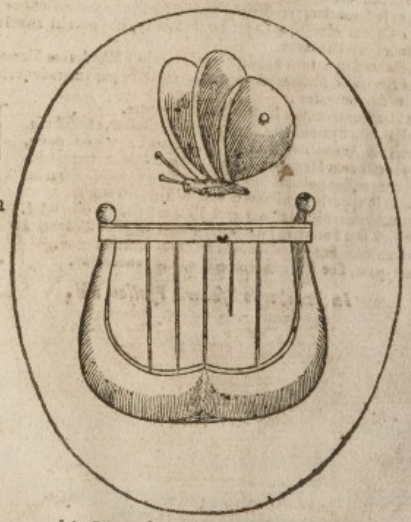
ATHANASII KIRCHERI
FVLDENSIS E SOC. IESV PRESBYTERI

MVSVRGIA VNIVERSALIS
SIVE
ARS MAGNA CONSONI ET DISSONI
IN X. LIBROS DIGESTA.

Quà Vniuersa Sonorum doctrina, & Philosophia, Musicæque tam Theoricæ, quam practicæ scientia, summa varietate traditur; admirandæ Consoni, & Dissoni in mundo, adeòque Vniuersà Naturà vires effectusque, vti noua, ita peregrina variorum speciminum exhibitione ad singulares vsus, tum in omnipœnè facultate, tum potissimùm in Philologià, Mathematicà, Physicà, Mechanicà, Medicinà, Politicà, Metaphysicà, Theologià, aperiuntur & demonstrantur.

Tomus I.

Pulsare certant plectra
Cicada, fractam
Factum Eunomij &



Victori repens
voce suppleuit fidem.
Aristonis in gemma Veterum

ROMAE, Ex Typographia Hæredum Francisci Corbelletti. Anno Iubilæi. MDCL.

SVPERIORVM PERMISSV.

ATHANASII KIRCHERI
E SOC. JESU.

PHONURGIA NOVA

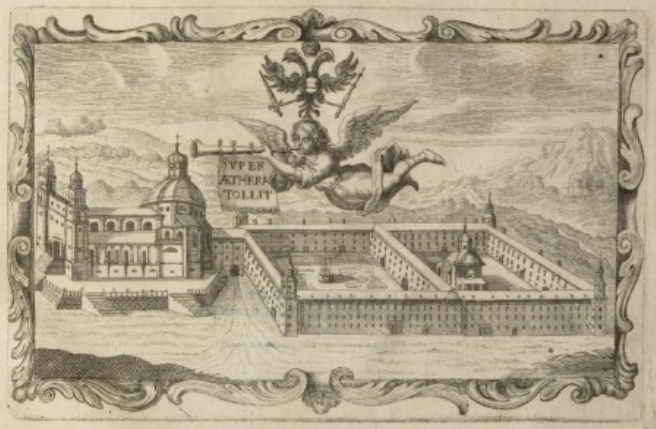
SIVE

Conjugium Mechanico-physicum ARTIS & NATURÆ PARANYMPHA PHONOSOPHIA

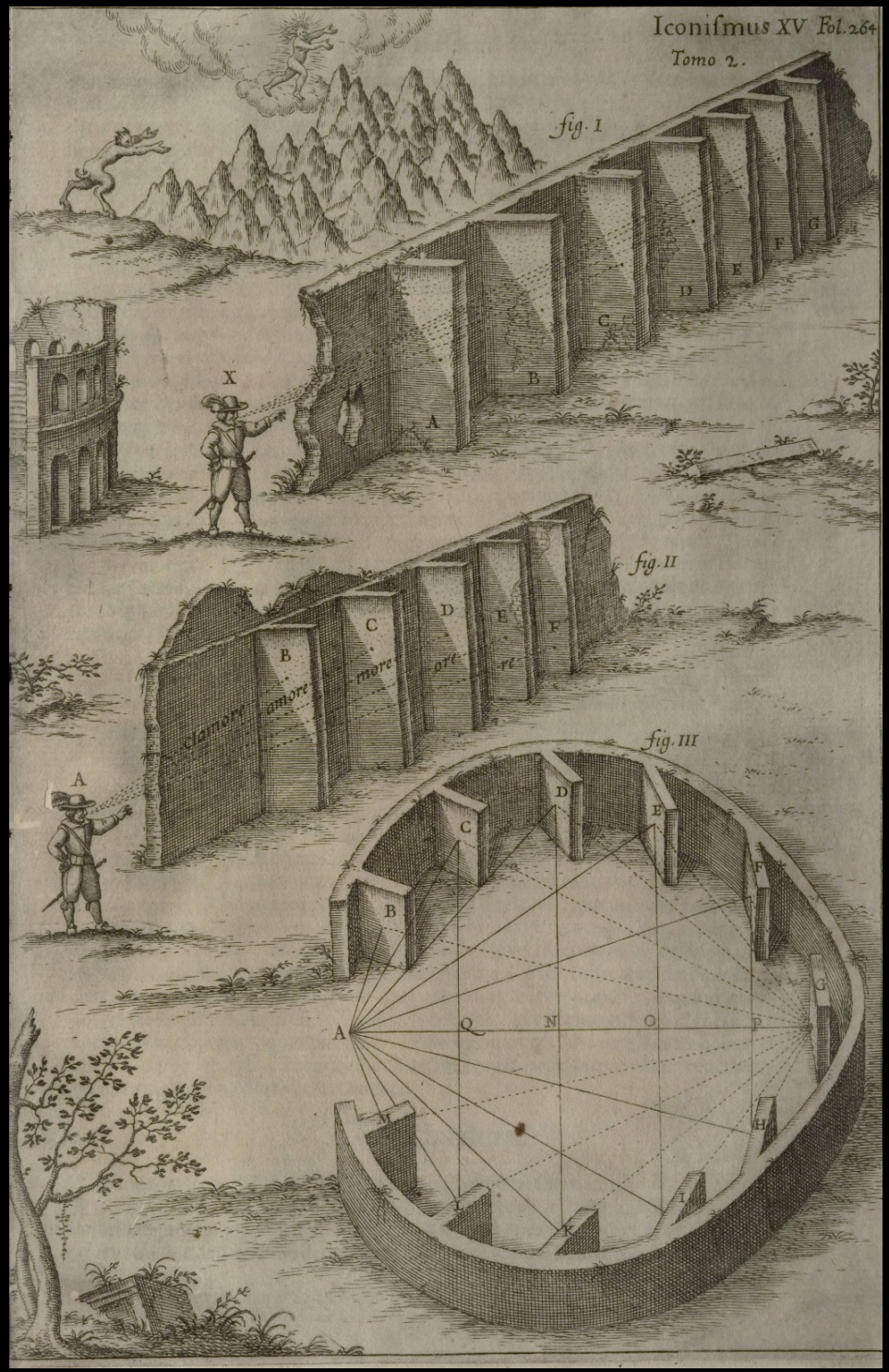
Concinnatum;

quà

UNIVERSA SONORUM NATURA, PROPRIETAS, VIRES effectuúmq; prodigiosorum Causæ, novâ & multiplici experimentorum exhibitione enucleantur; Instrumentorum Acusticorum, Machinarúmq; ad Naturæ prototypon adaptandarum, tum ad sonos ad remotissima spatia propagandos, tum in abditis domorum recessibus per occultioris ingenii machinamenta clam palámve sermocinandi modus & ratio traditur, tum denique in Bellorum tumultibus singularis hujusmodi Organorum Usus, & praxis per novam Phonologiam describitur.



CAMPIDONÆ
Per RUDOLPHUM DREHERR. ANNO M. DC. LXXIII.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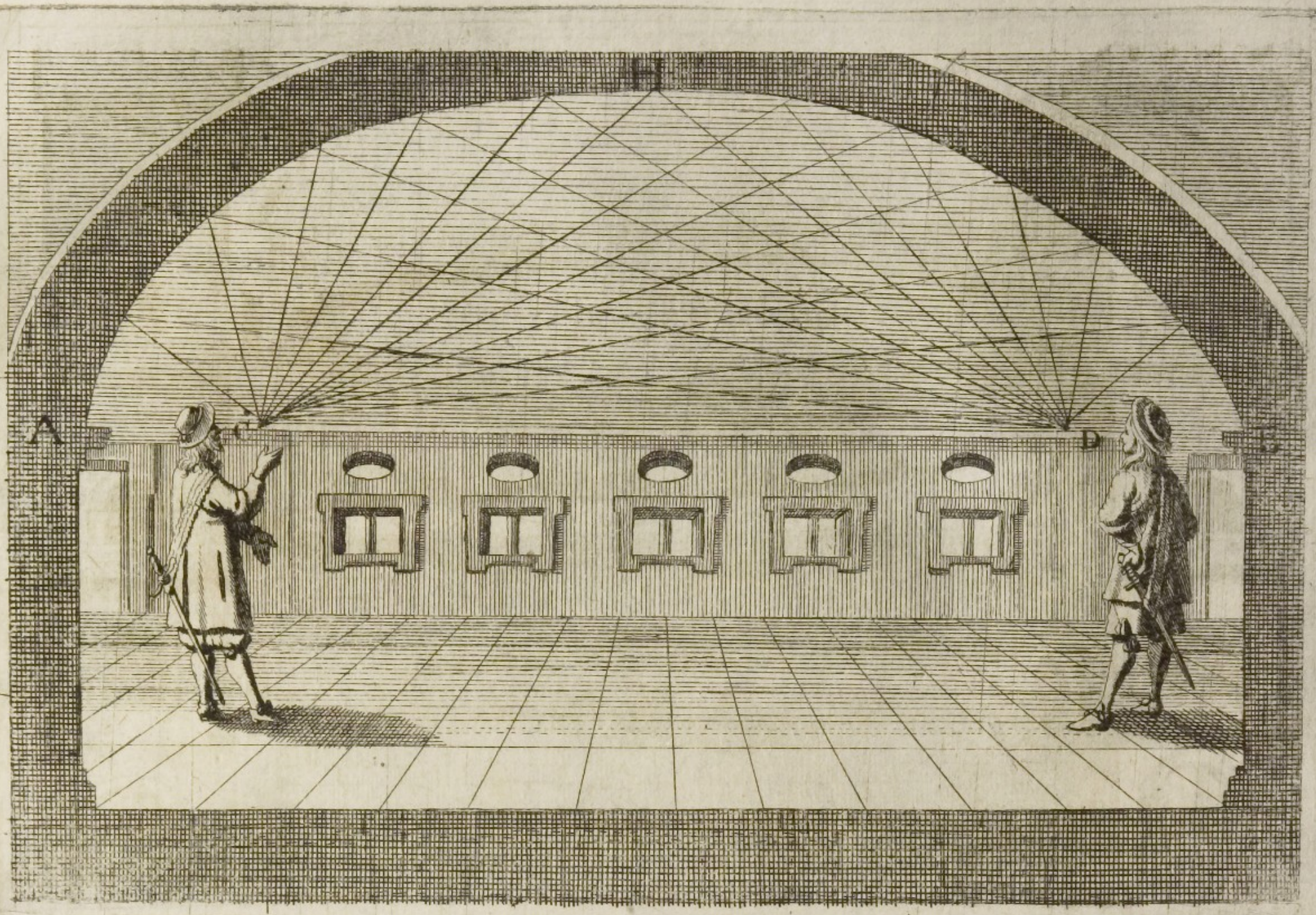
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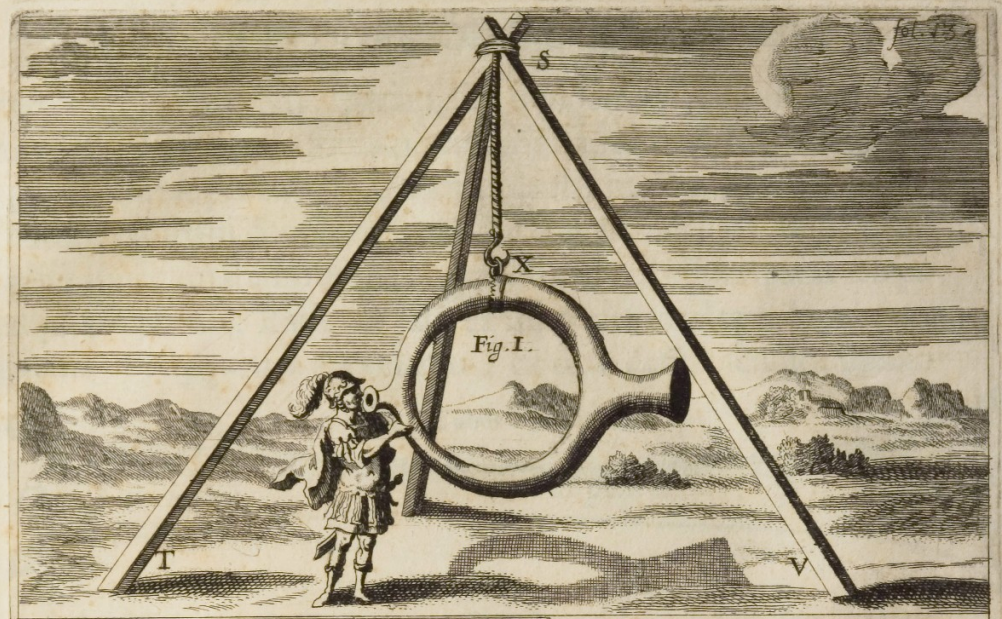


Fig. I.

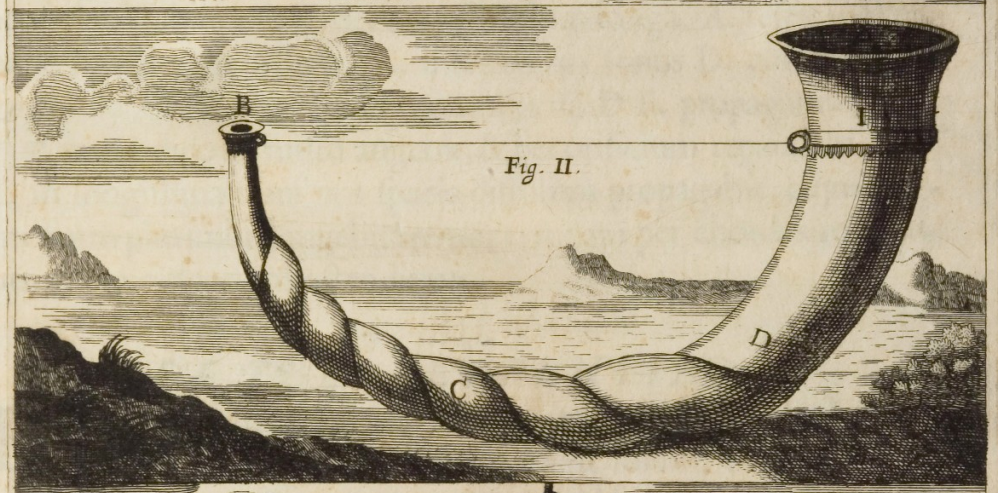
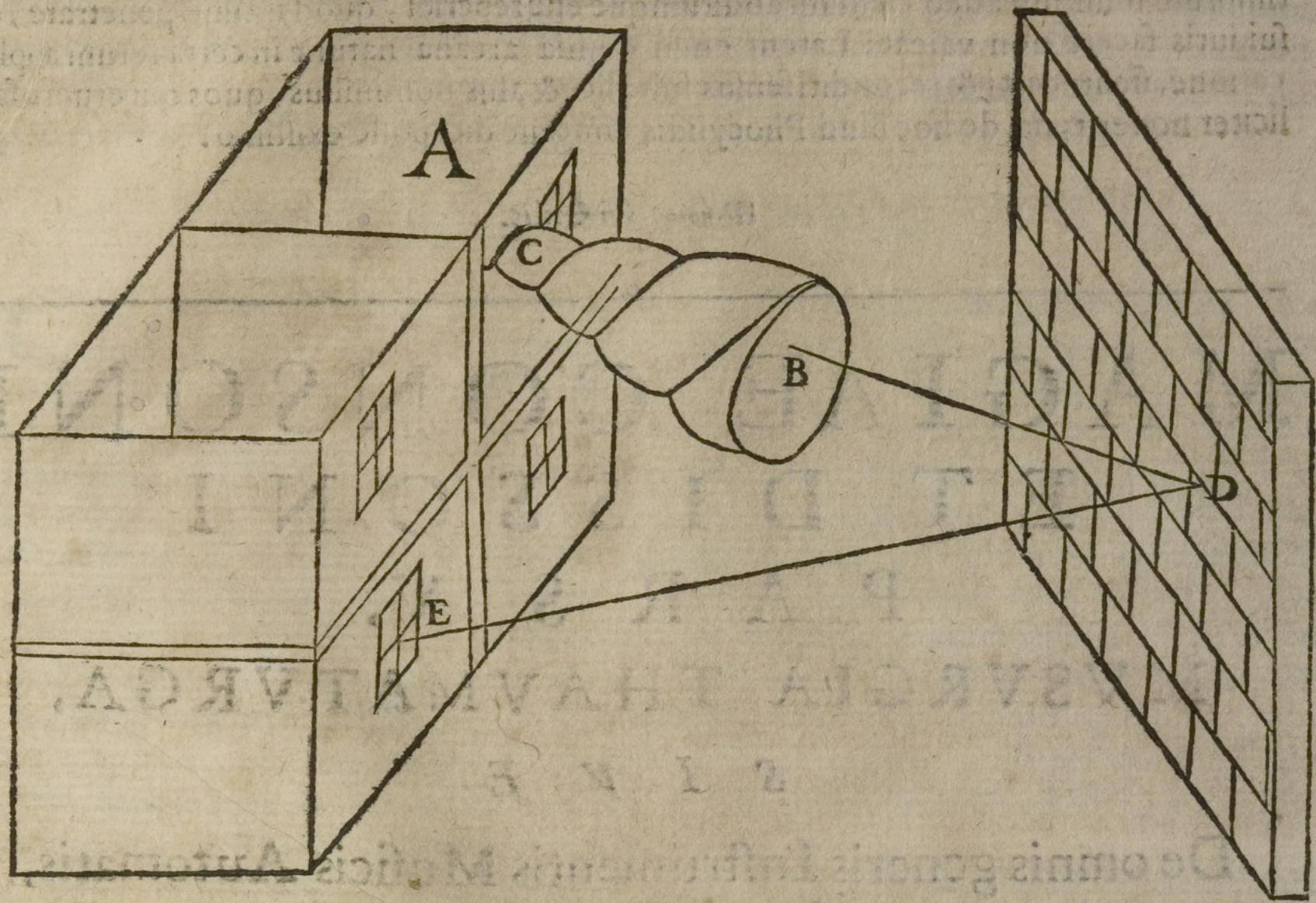


Fig. II.

Fig. III.

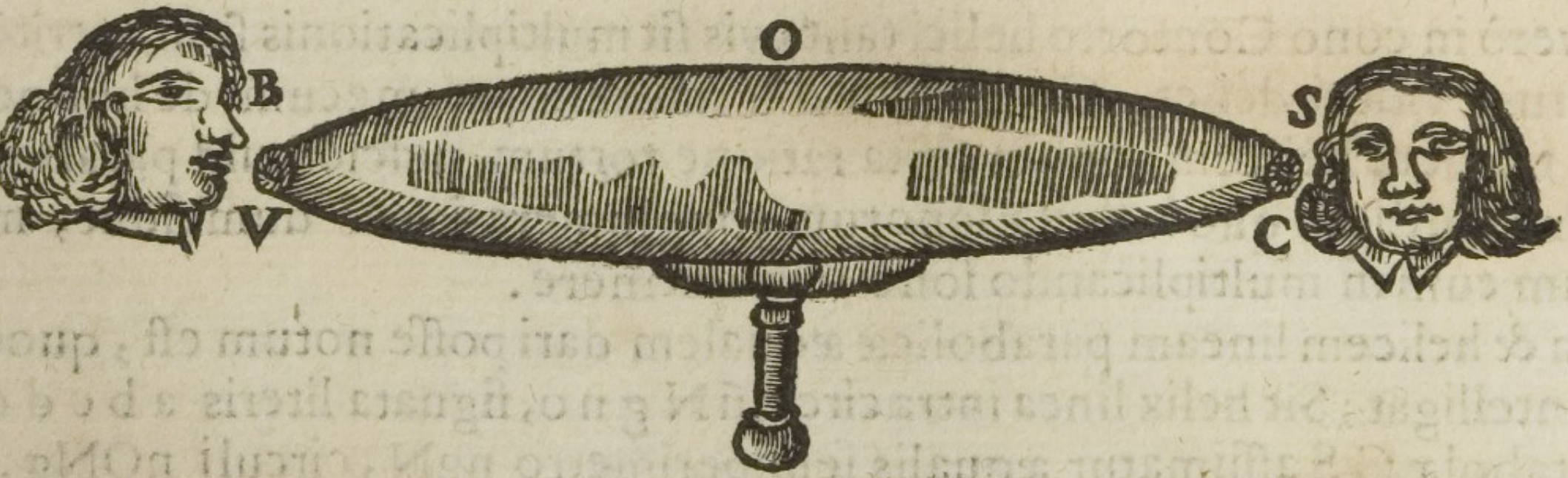
Domus Dionysii Tyranni.

Habitacula Mancipiorum.

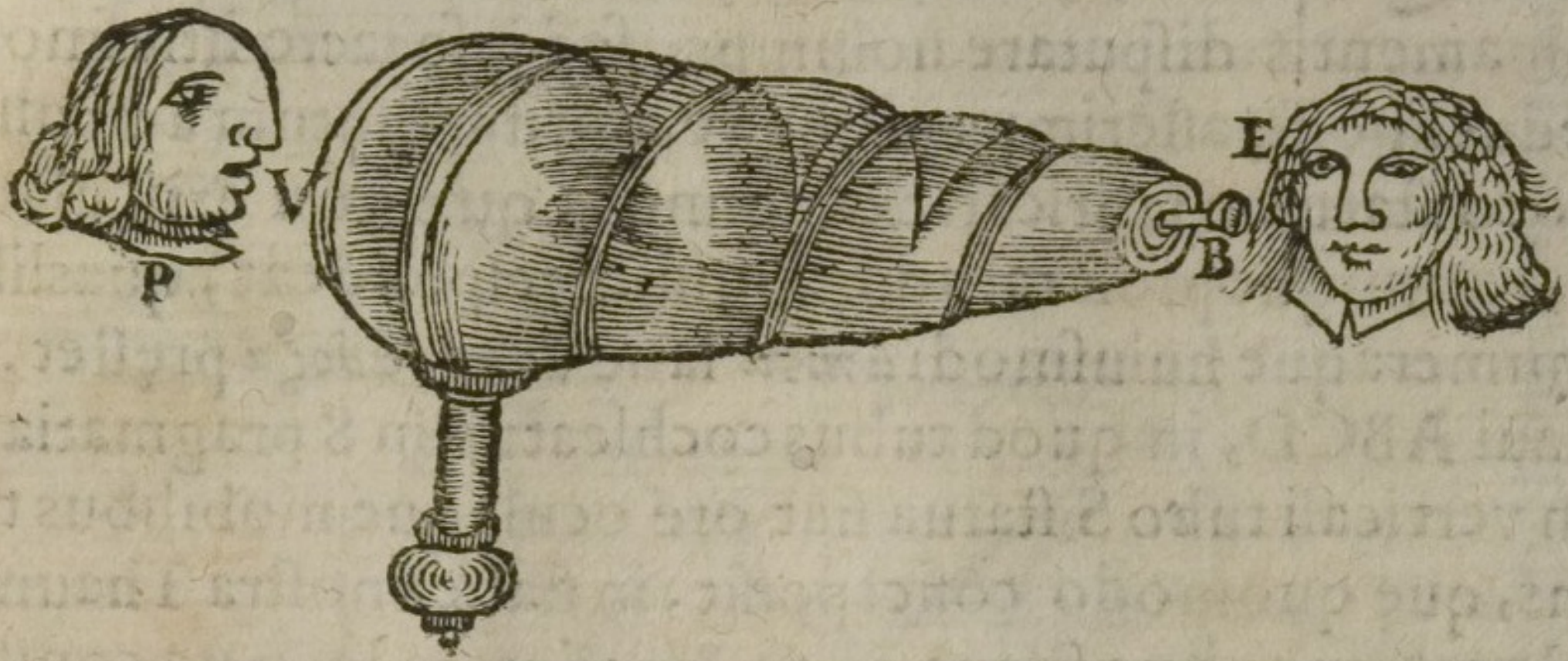


ANACEPHALEOSIS MAGIAE NATVRALIS.

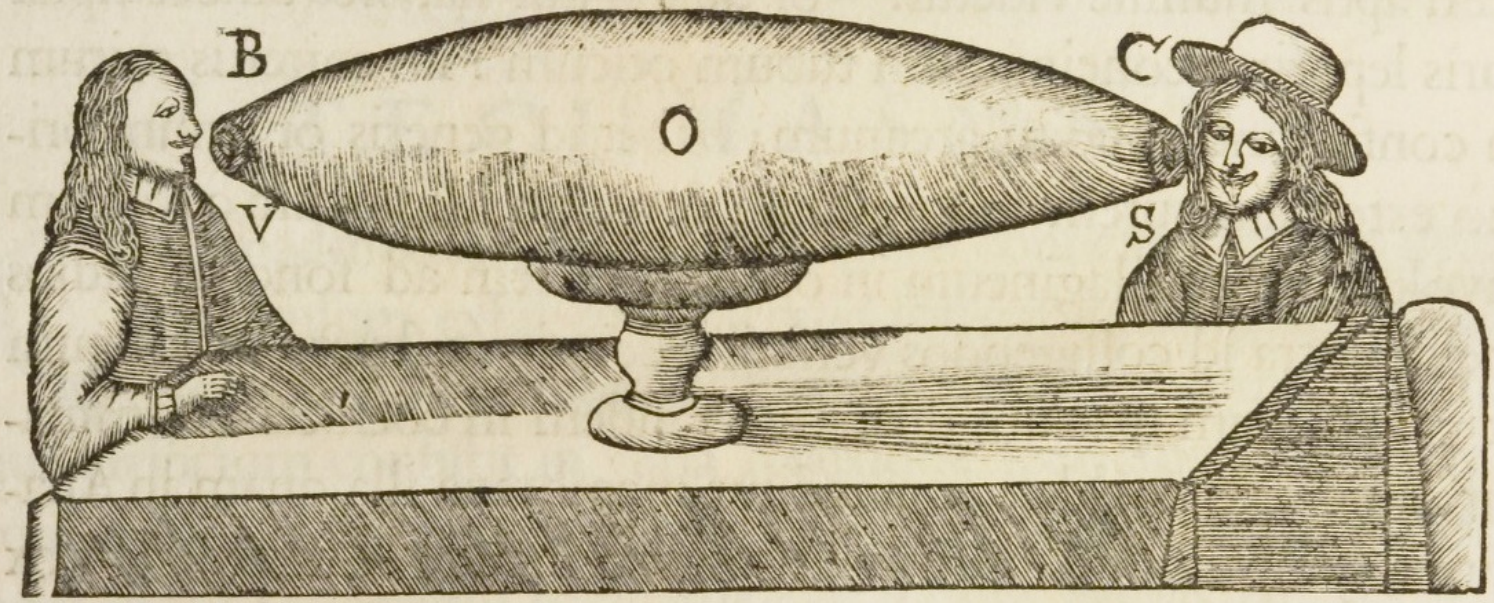
Ellipsis otica.



Tubus oticus cochleatus.

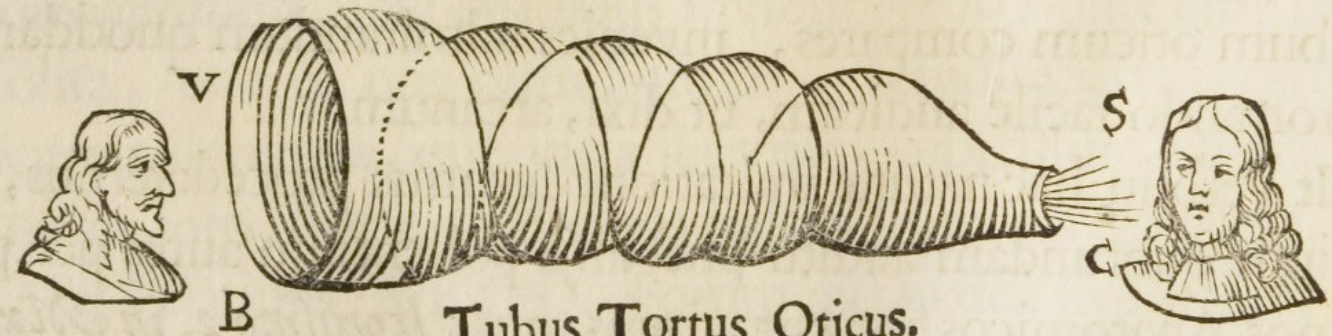


Ellipsis Otica.



Alterum instrumentum est tubus cochleatus, qui, cùm ad exemplar fabricæ aurium constitutus sit, mirum ad sonos congregandos vim habet. *Figura* ejus sequitur.

Tubus Oticus cochleatus.



Tubus Tortus Oticus.

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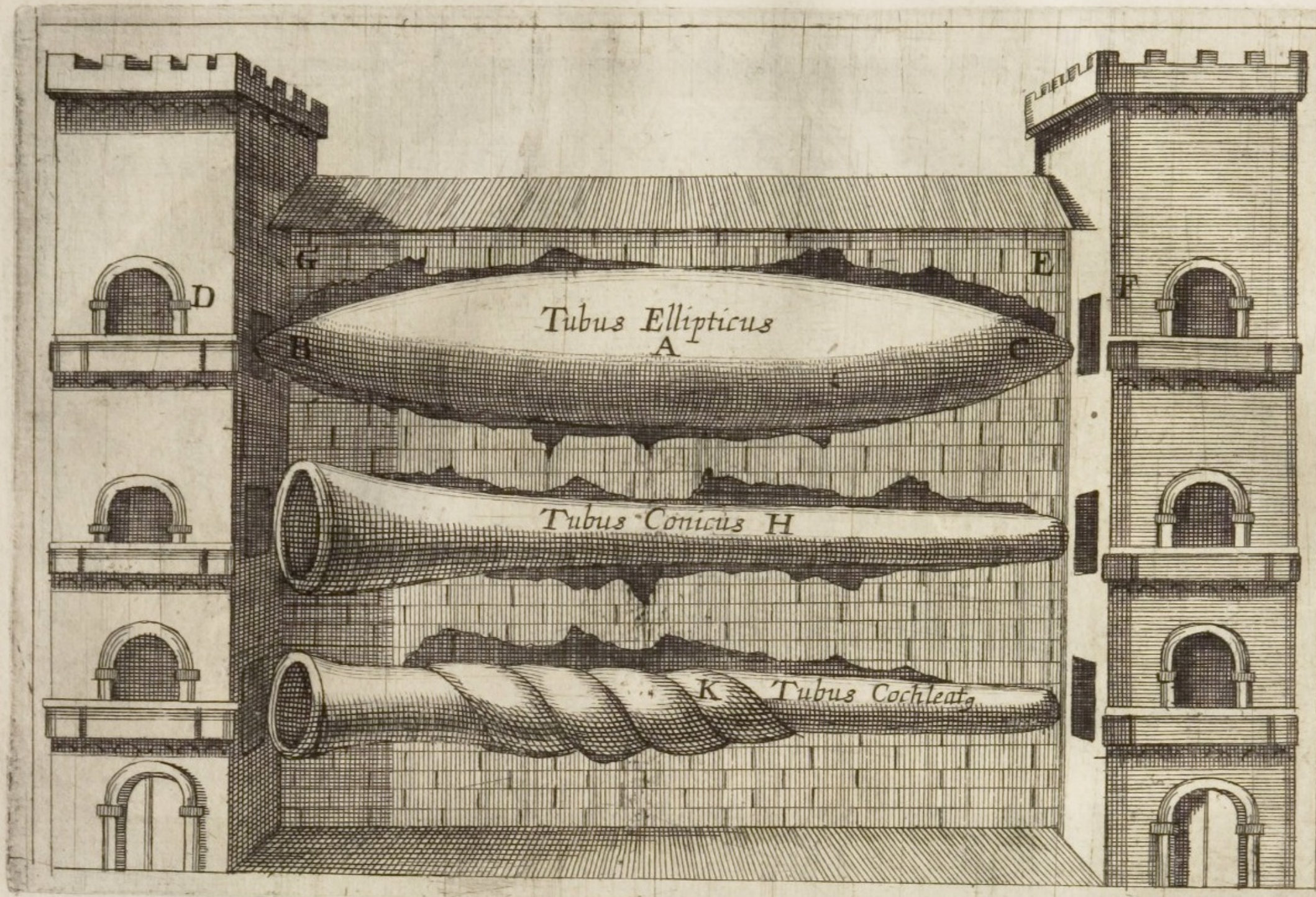
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Tubus Conicus H
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Tubus Cochleatg

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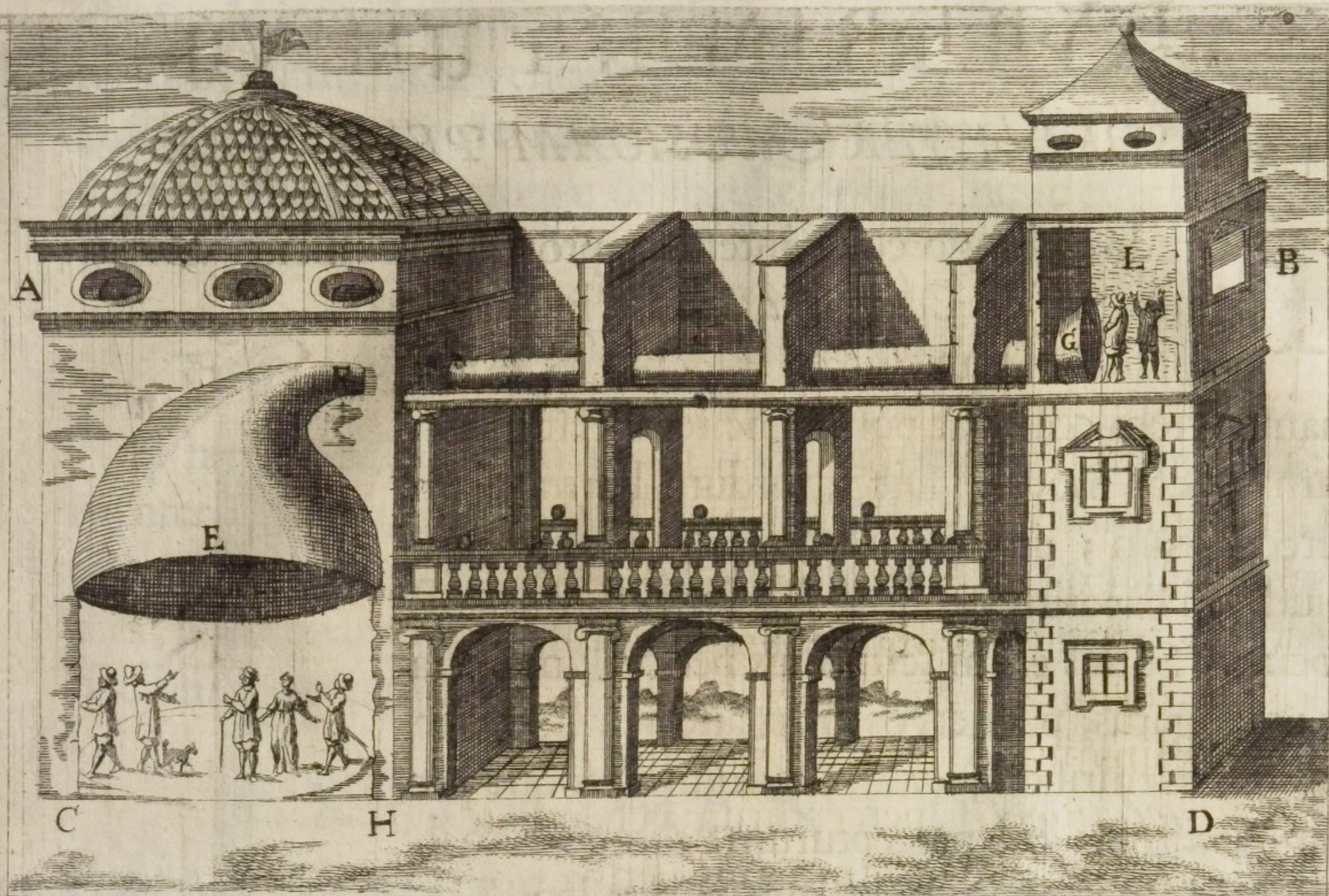
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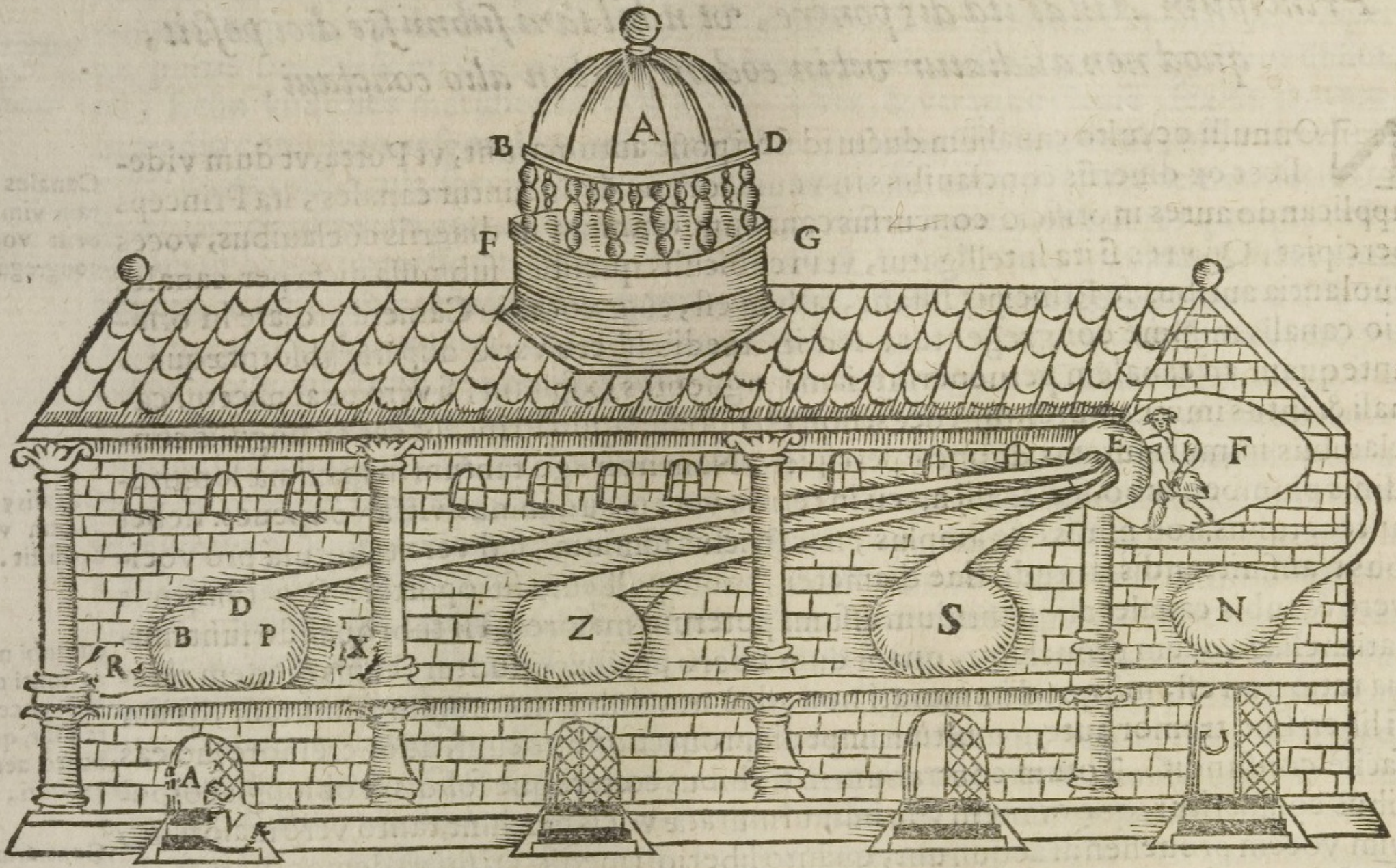
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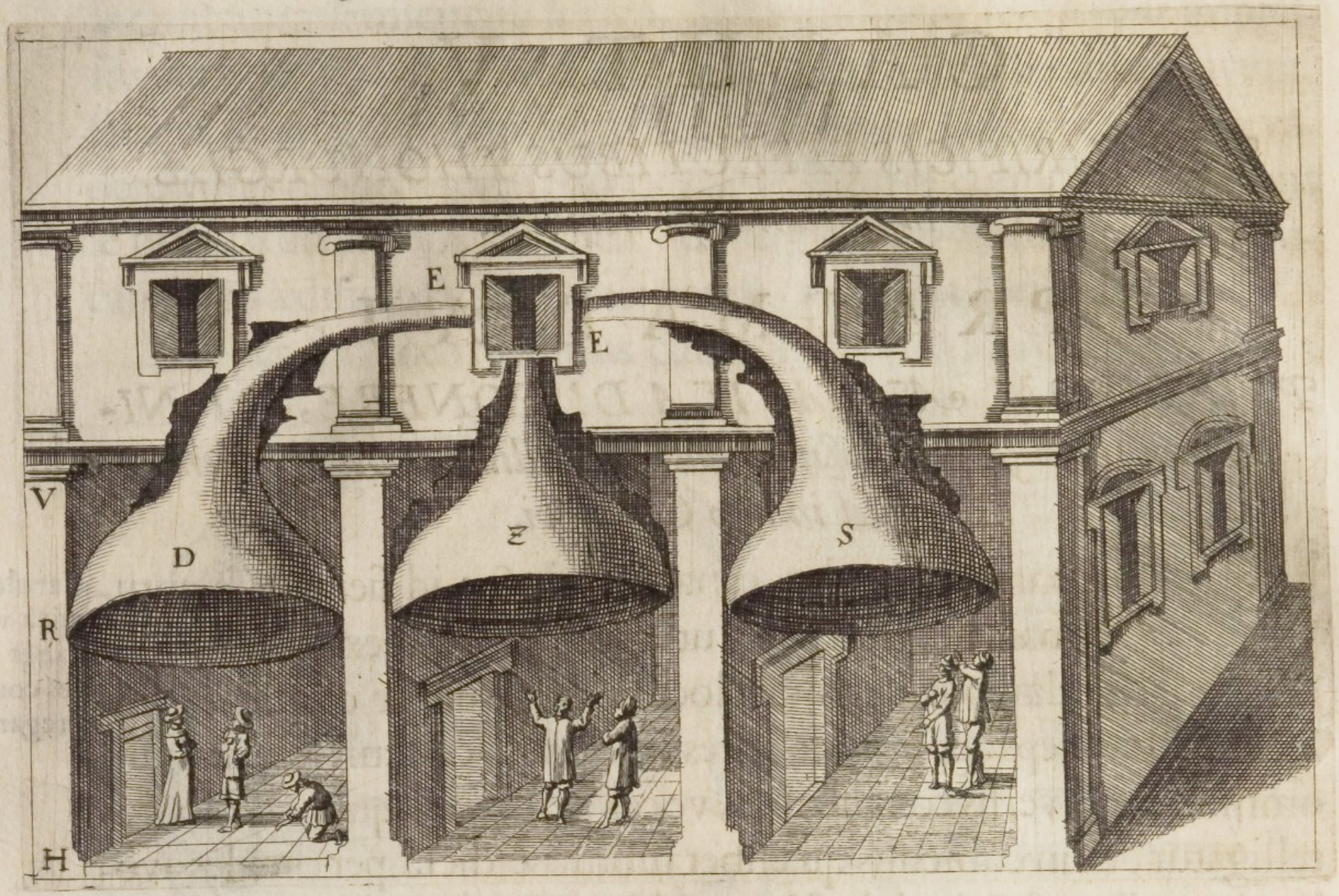
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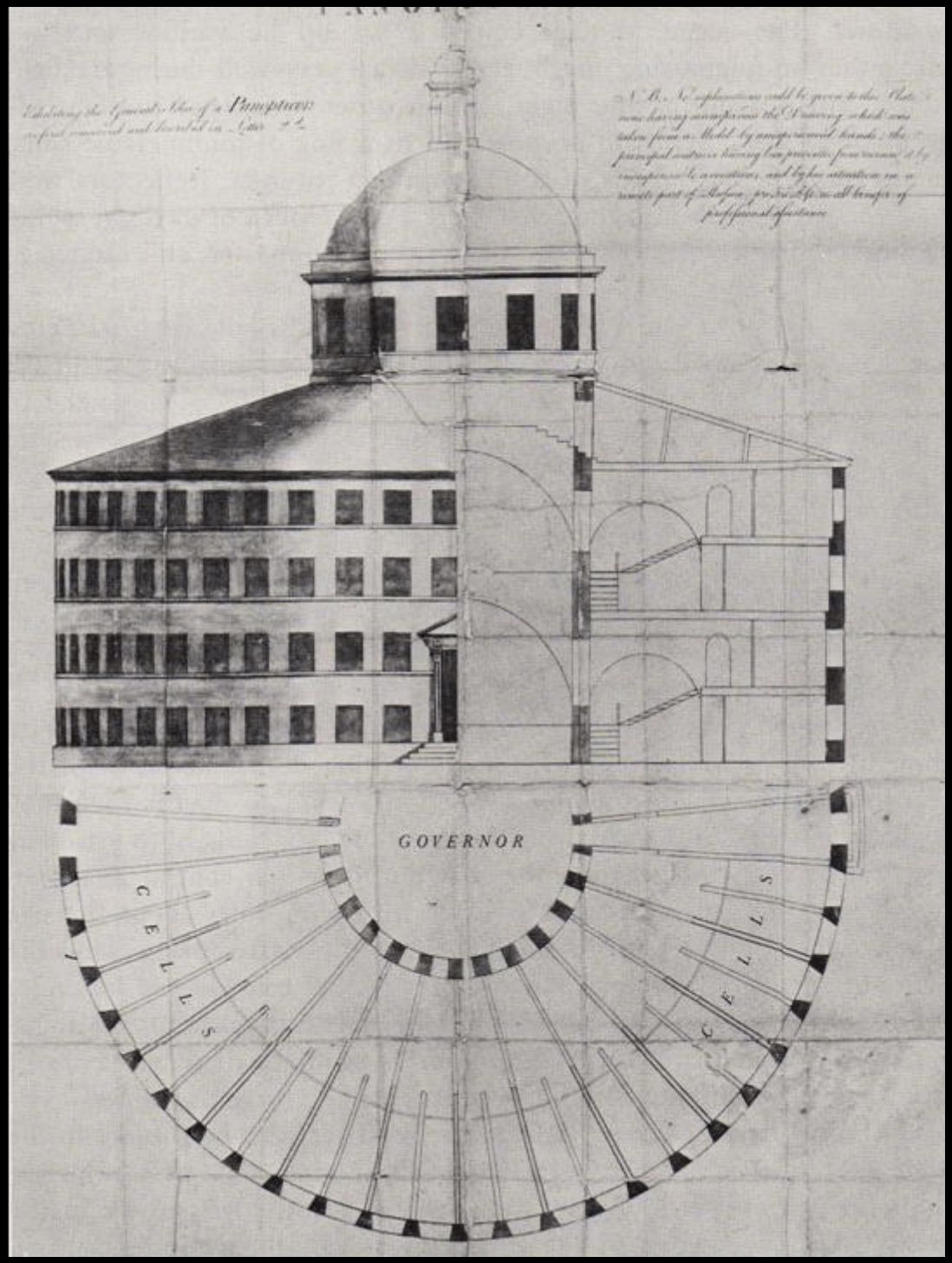
GOVERNOR
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CELLS

Presidio Modelo in Cuba (now a museum)

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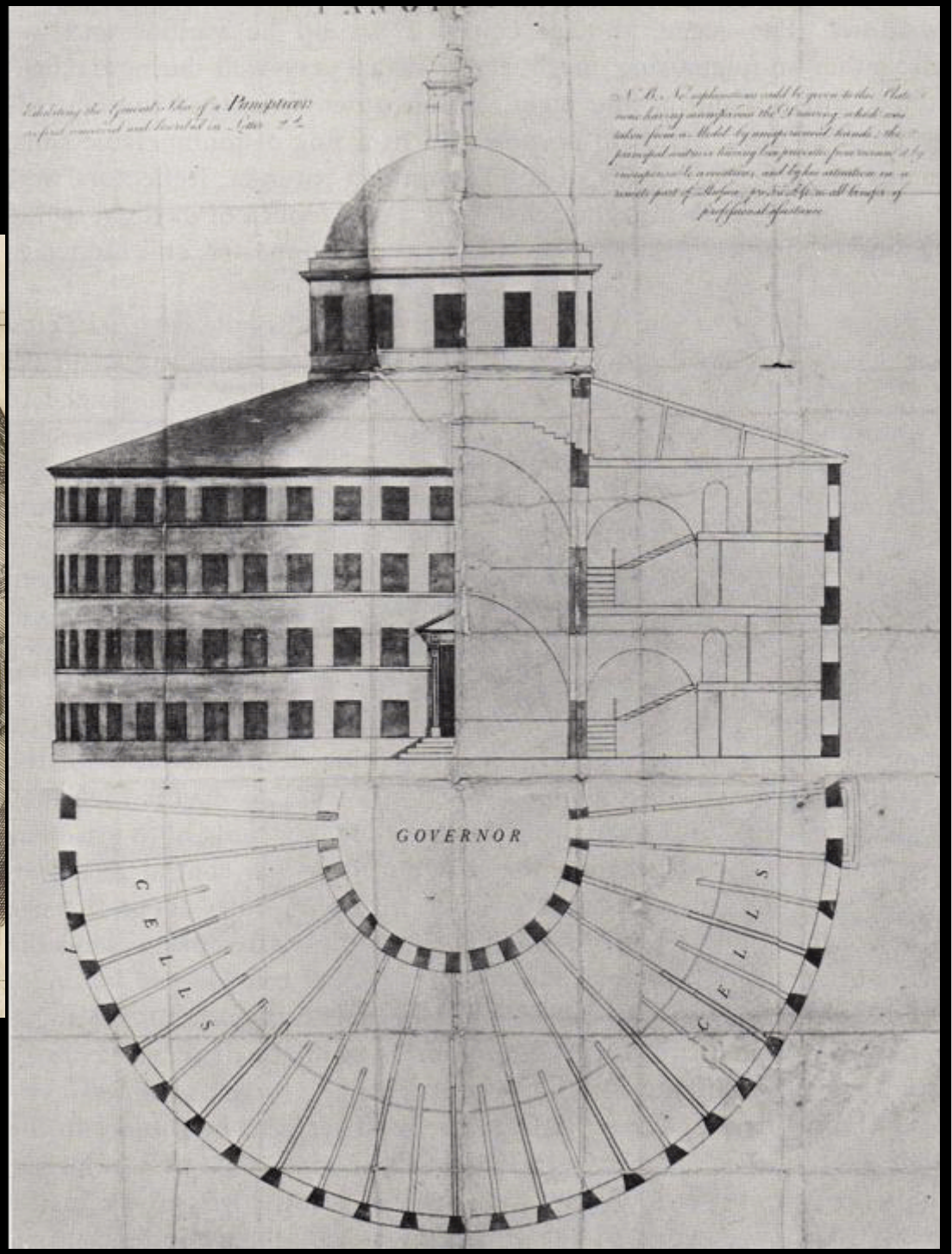
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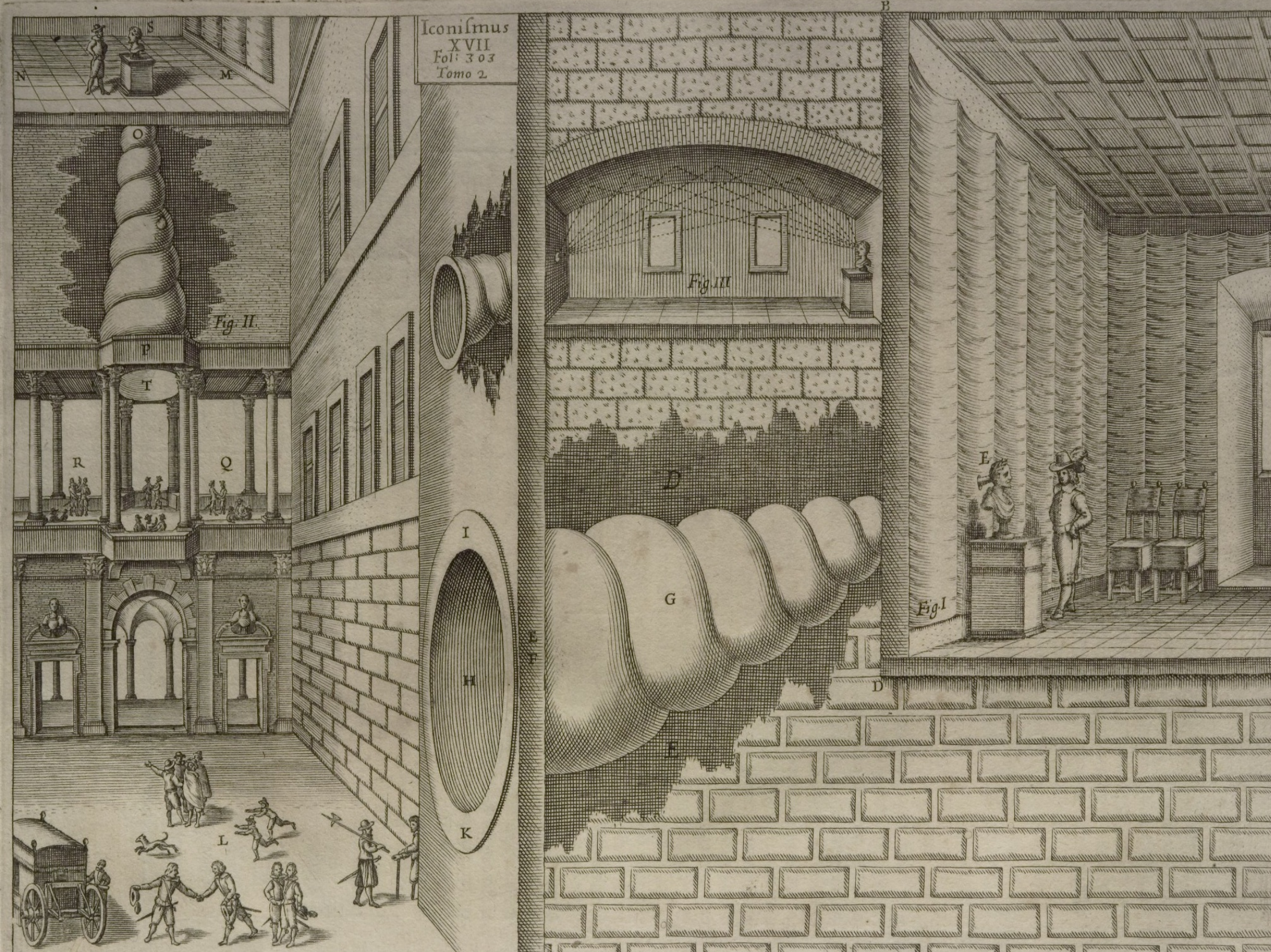
Iconismus
XVII
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Tomo 2
Fig. II.
Fig. III
Fig. I
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FURTHER READING

http://twitter.com/playinprogress

Athanasius Kircher

Phonurgia Nova

http://echo.mpiwg-berlin.mpg.de/ECHOdocuView?mode=imagepath&url=/mpiwg/online/permanent/library/NXS3BTBA/pageimg&viewMode=images

Penelope Gouk

Music, science, and natural magic in seventeenth-century England

Michel Foucault

Discipline and Punish: The Birth of the Prison