



The builders complete assistant, or A library of arts and sciences, absolutely necessary to be understood by builders and workmen in general ... : proportioned by modules and minutes, according to Andrea Palladio, and by equal parts ...

<https://hdl.handle.net/1874/41024>

John Simpson

Est. liber meus

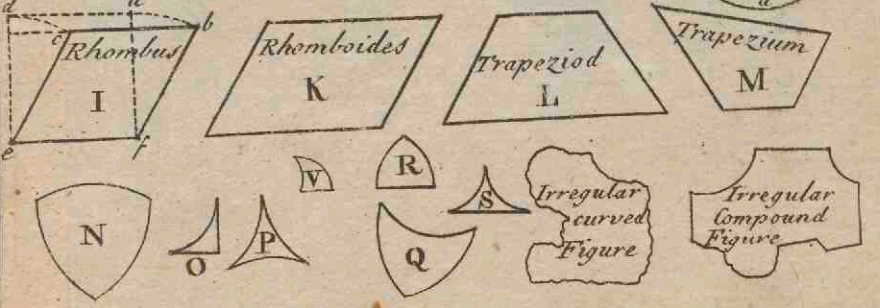
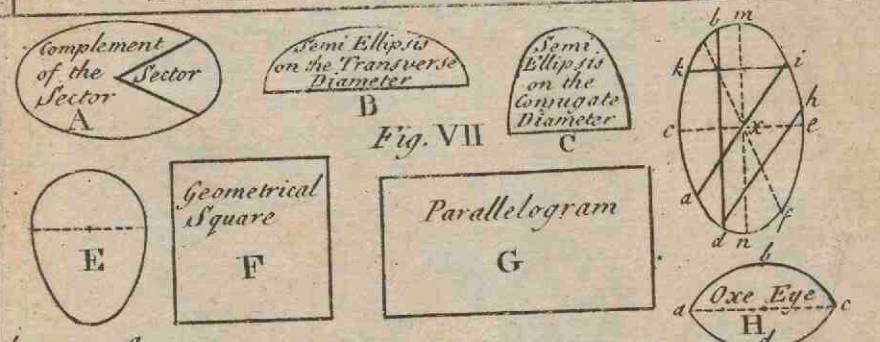
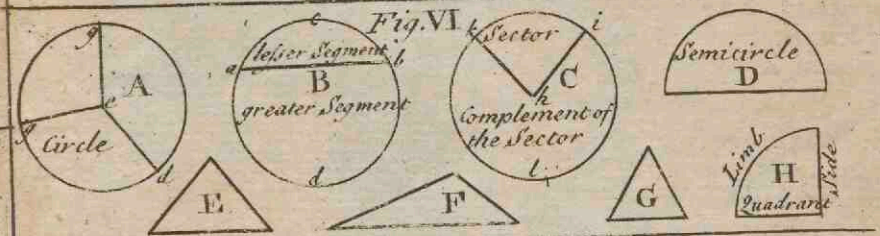
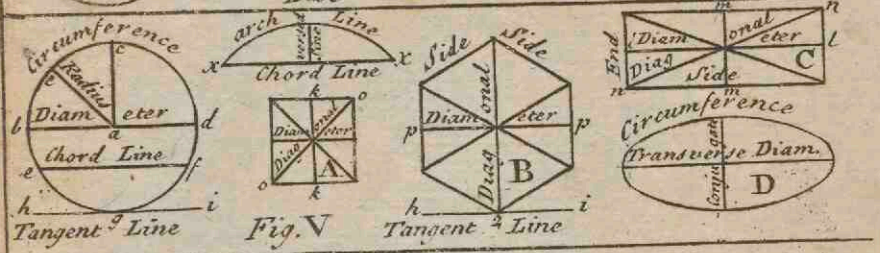
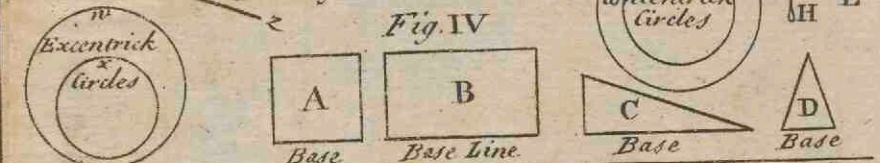
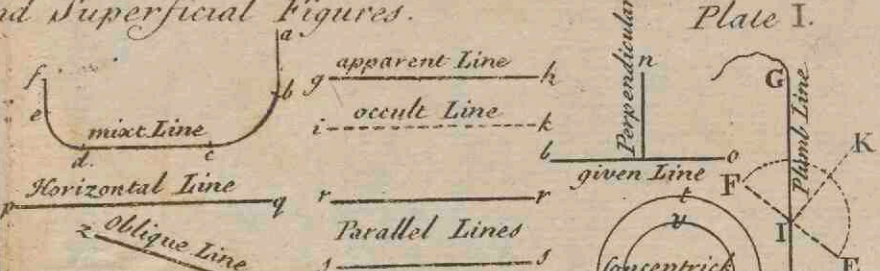
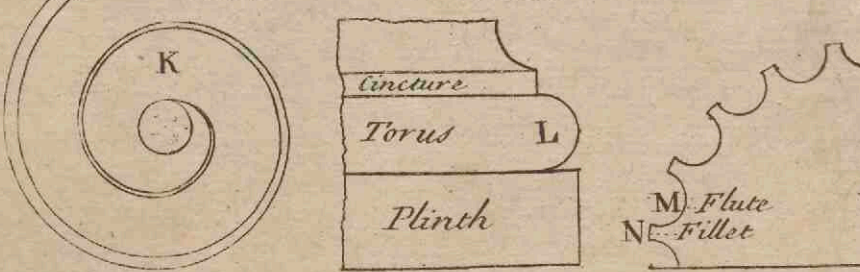
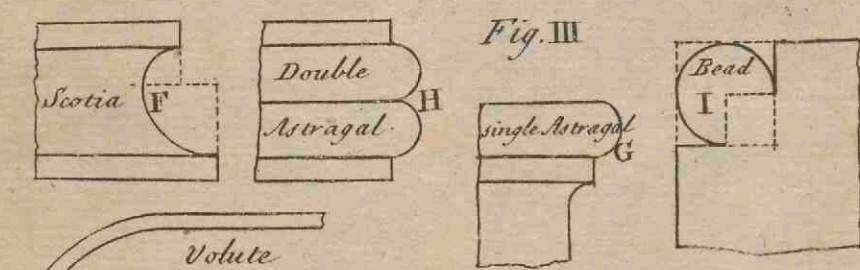
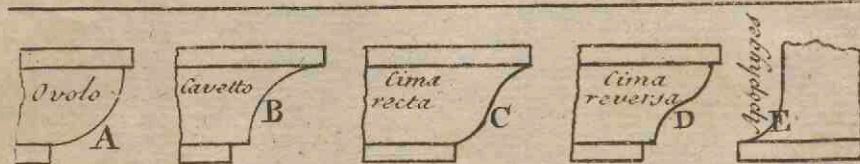
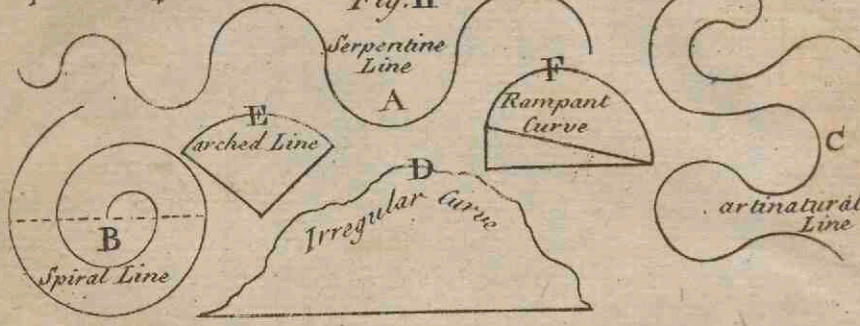
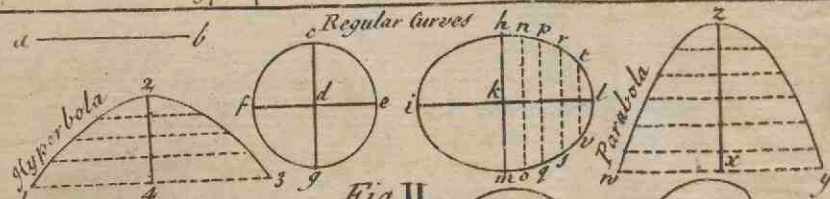
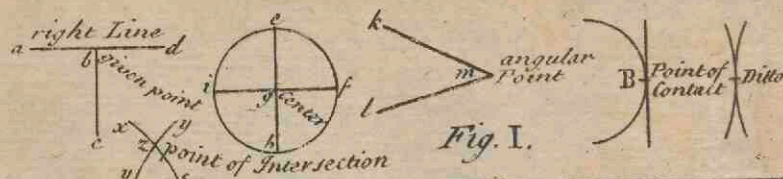
1766



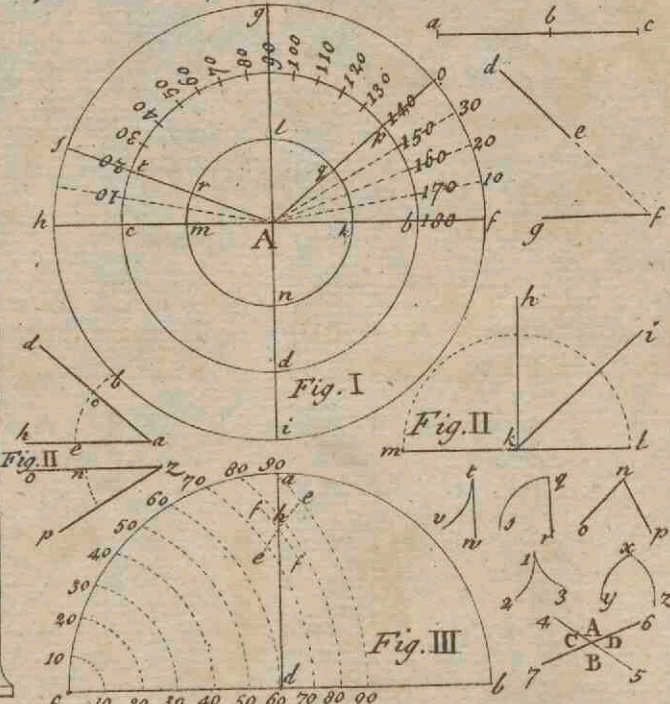
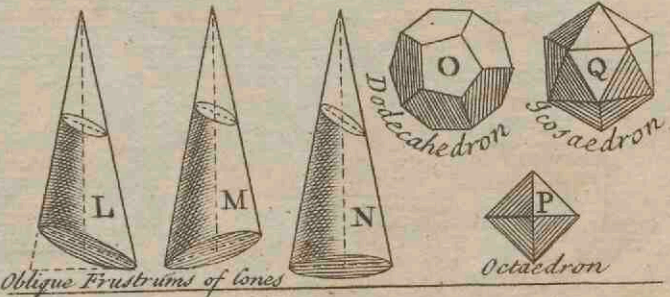
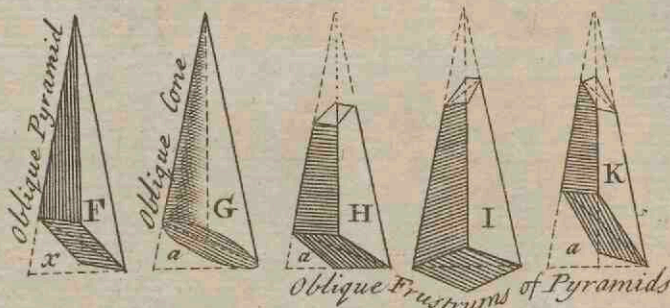
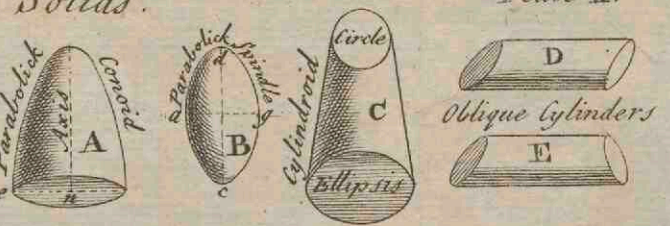
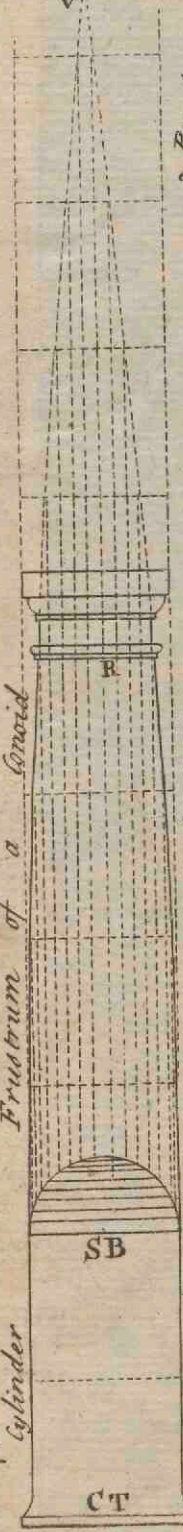
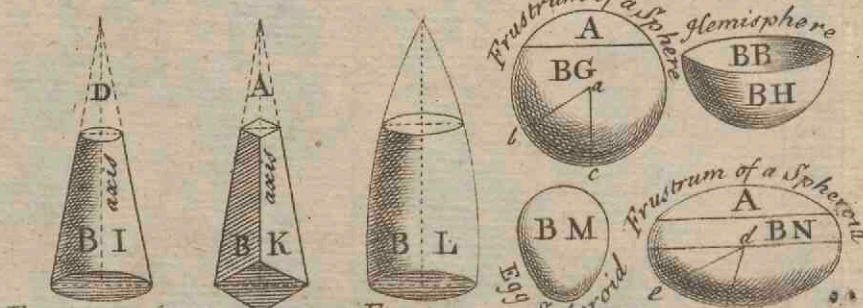
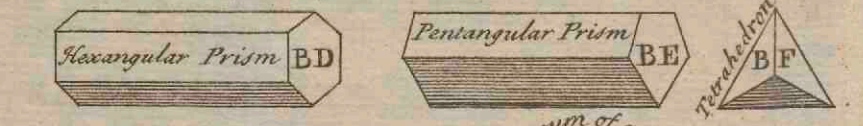
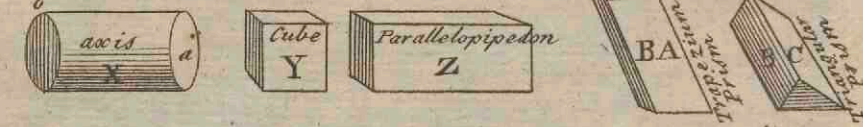
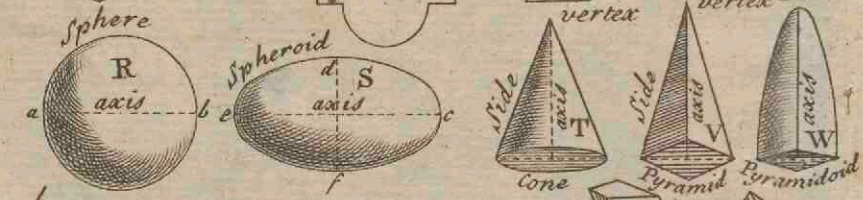
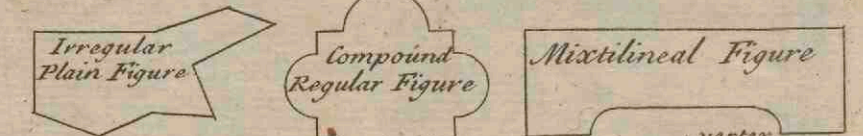
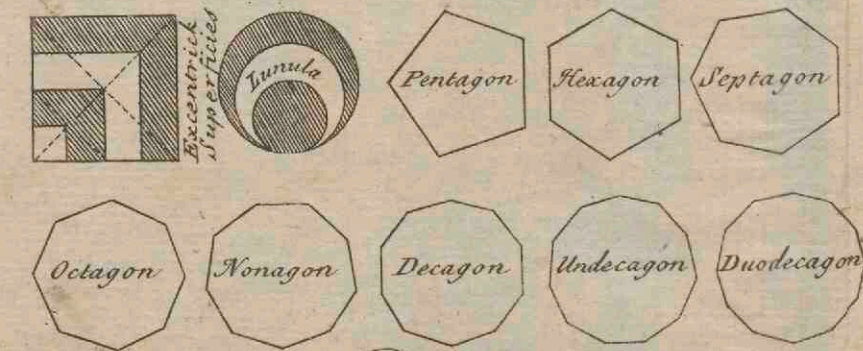
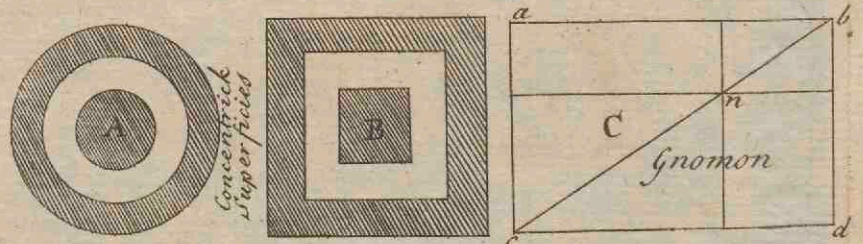
Definitions of Points, Lines and Superficial Figures.

Plate I.

Point



Definitions of Surfaces, and Solids.



Description of Lines.

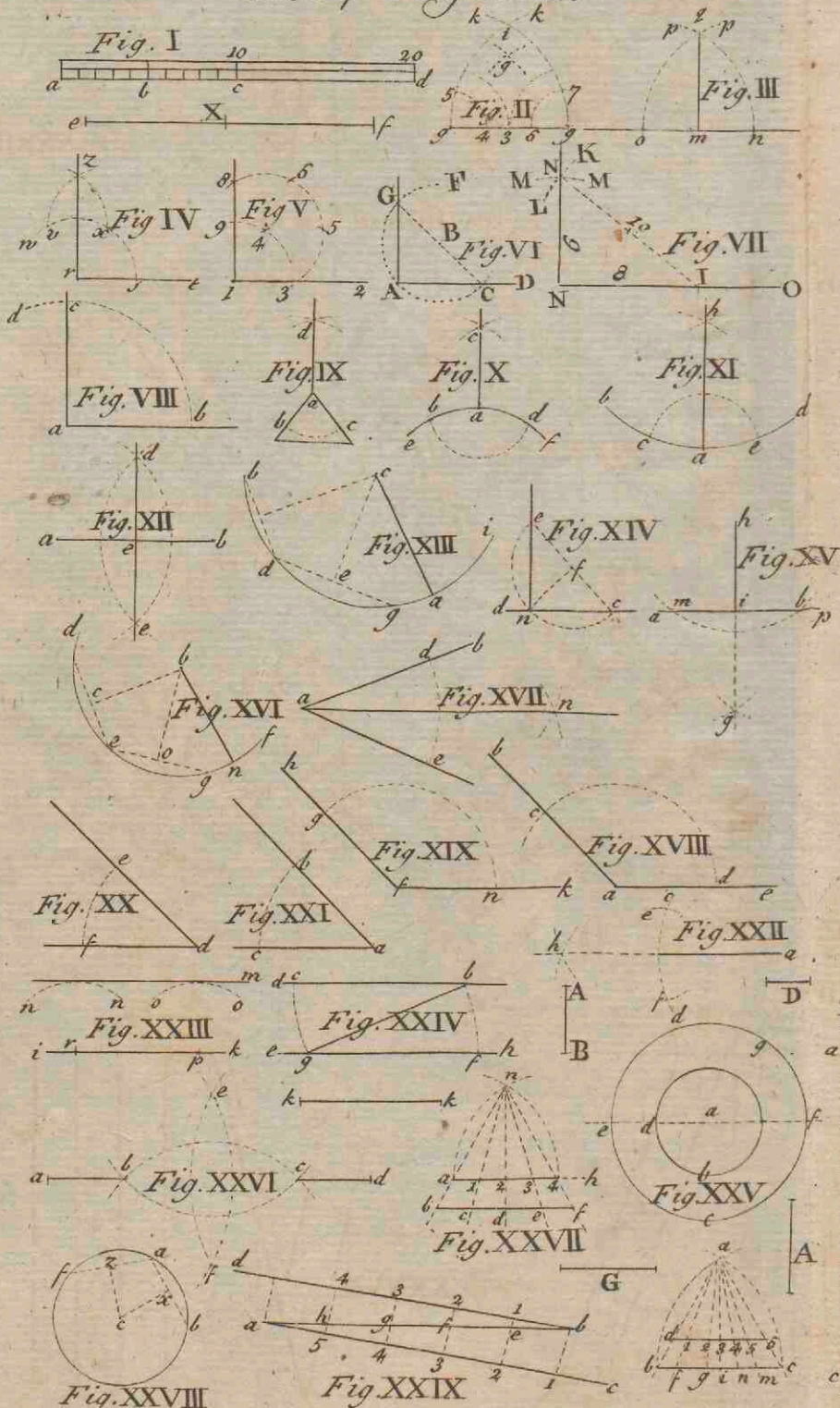
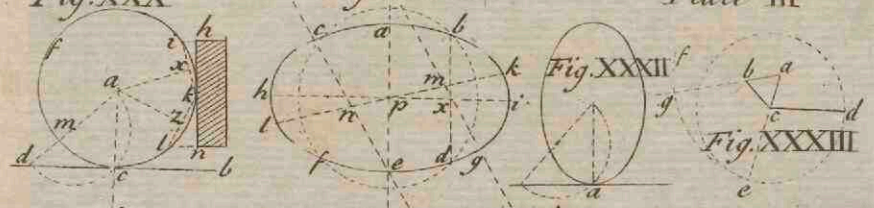


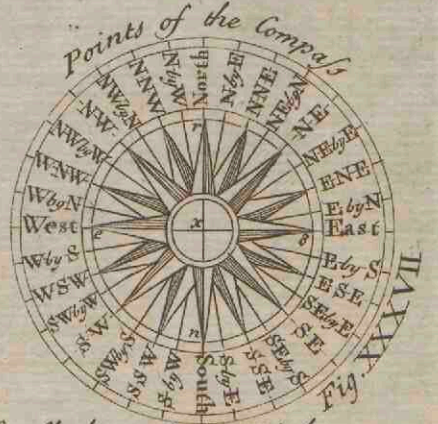
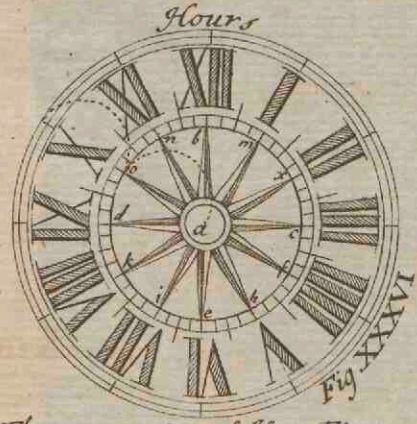
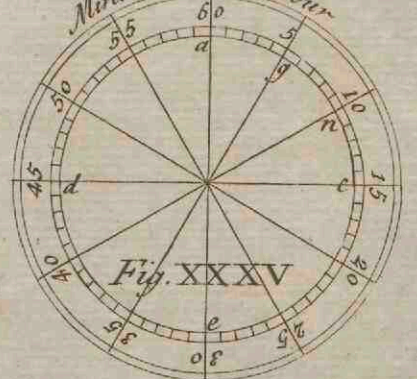
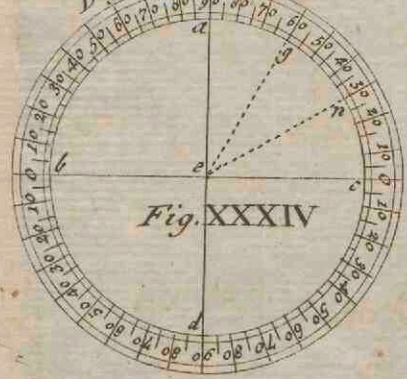
Fig. XXX

Fig. XXXI

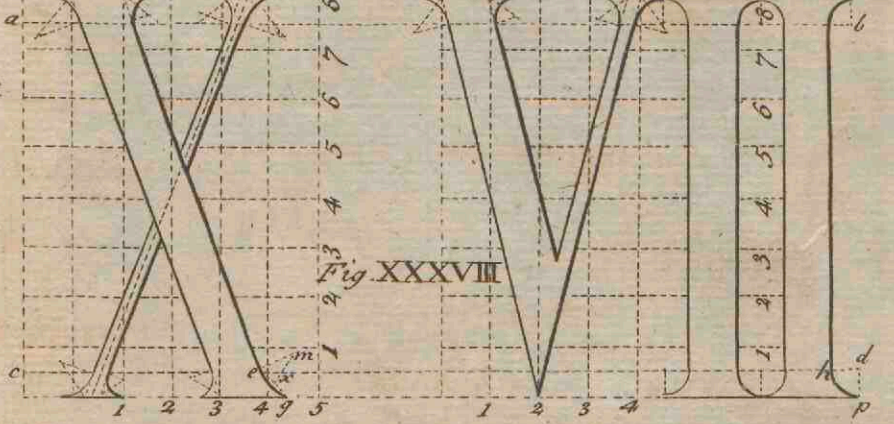
Plate III



Division of Circles

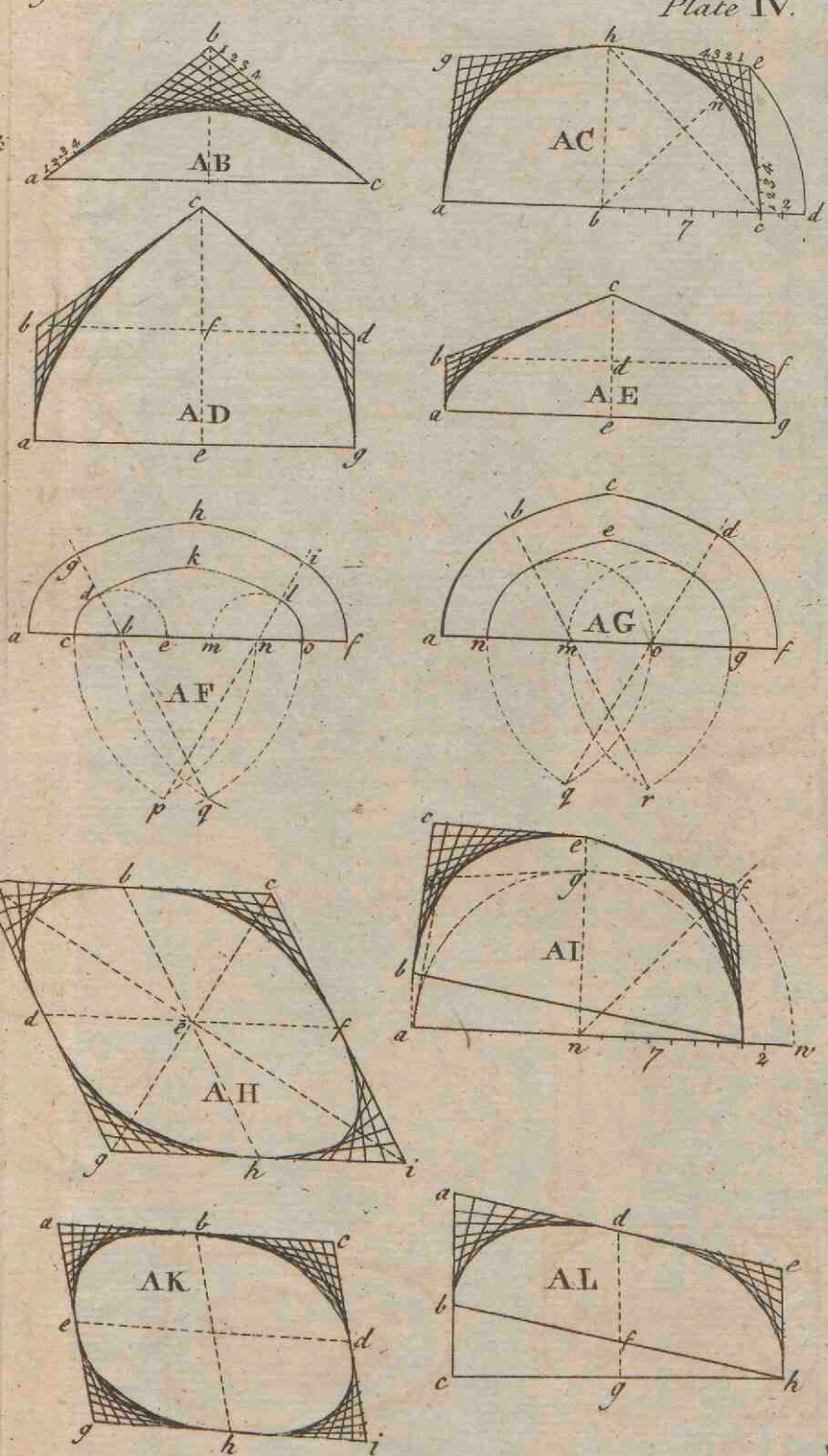
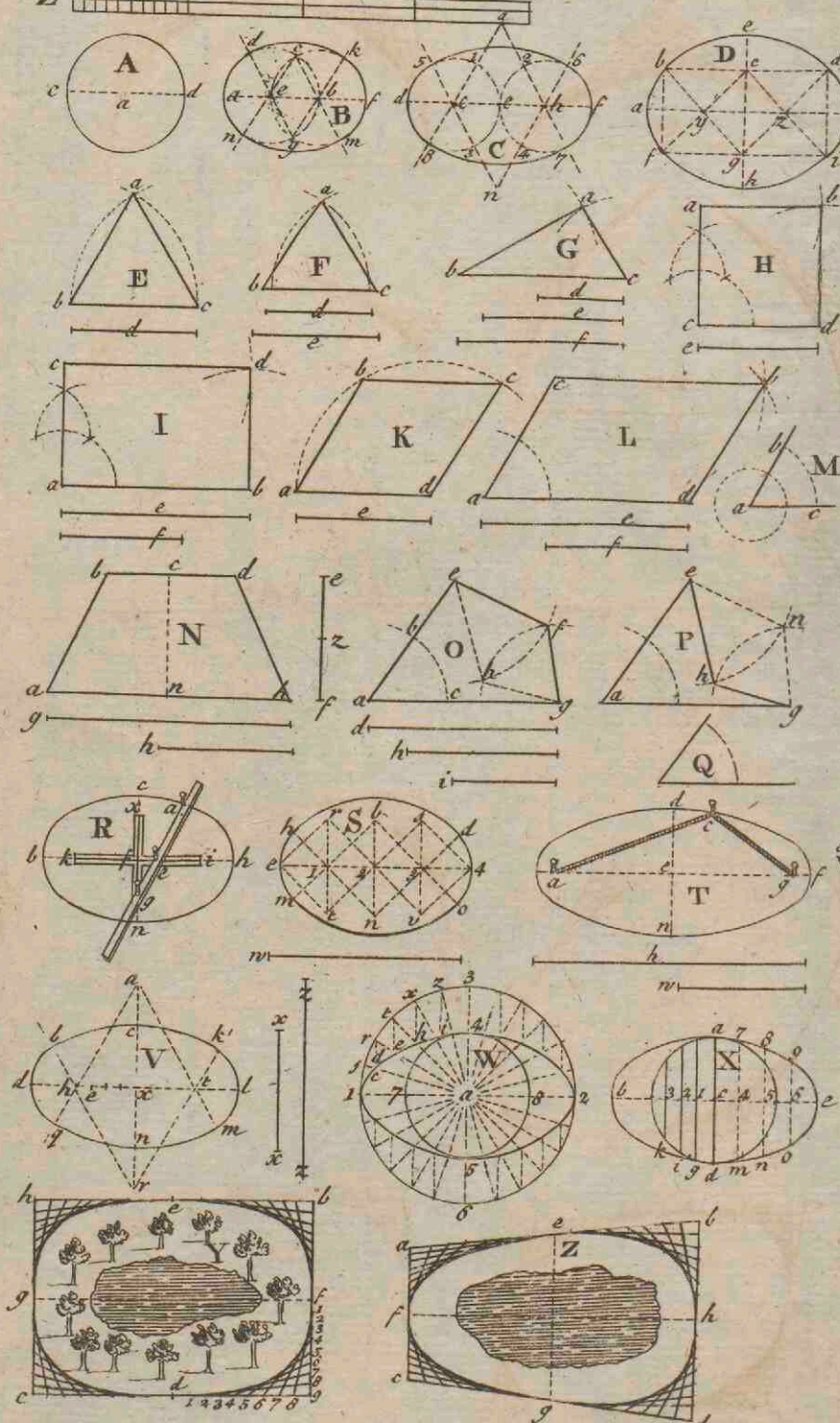
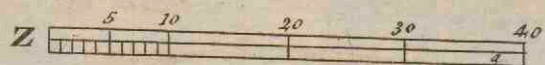


The construction of Hour Figures for Clocks and Sun Dials

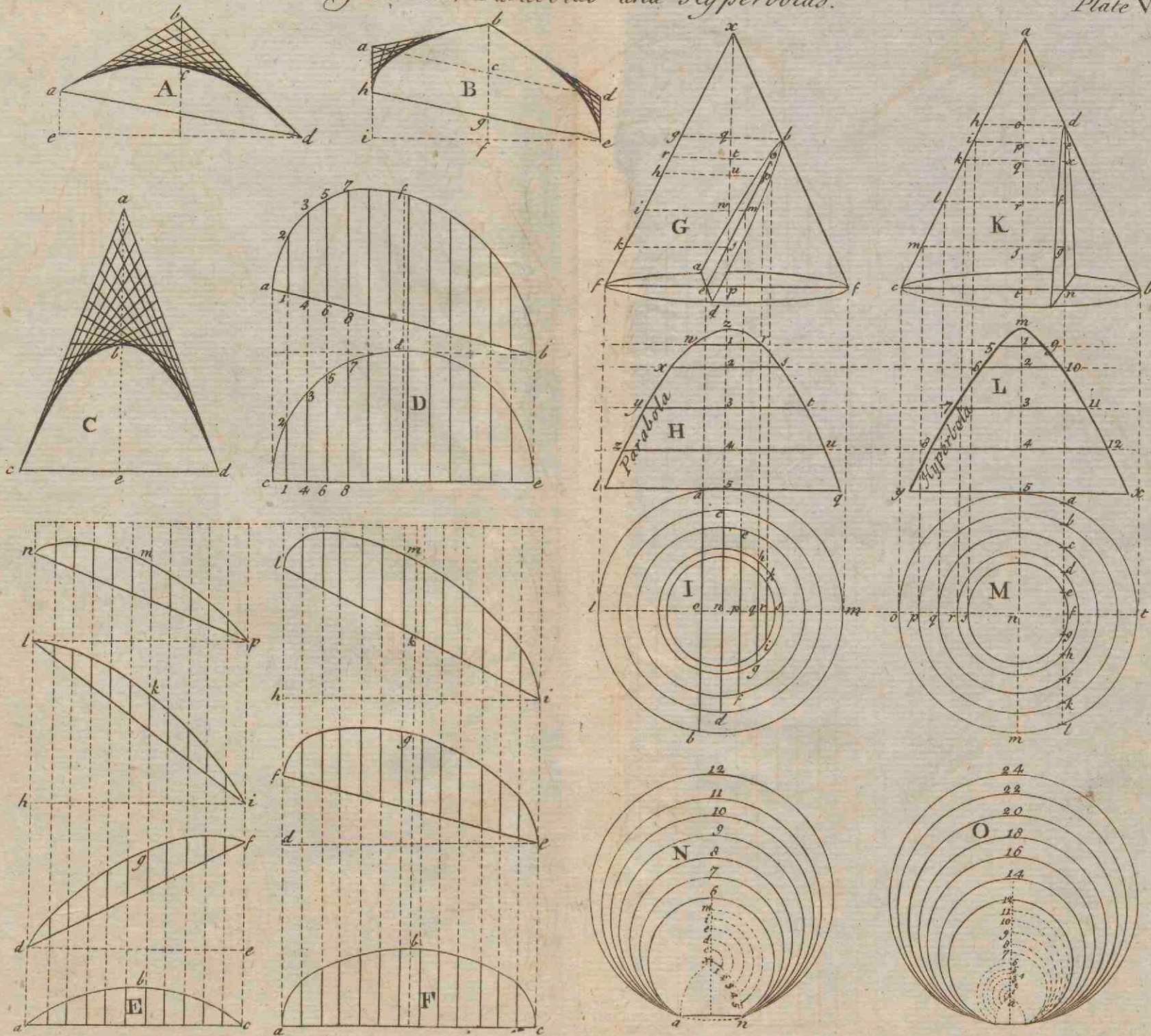


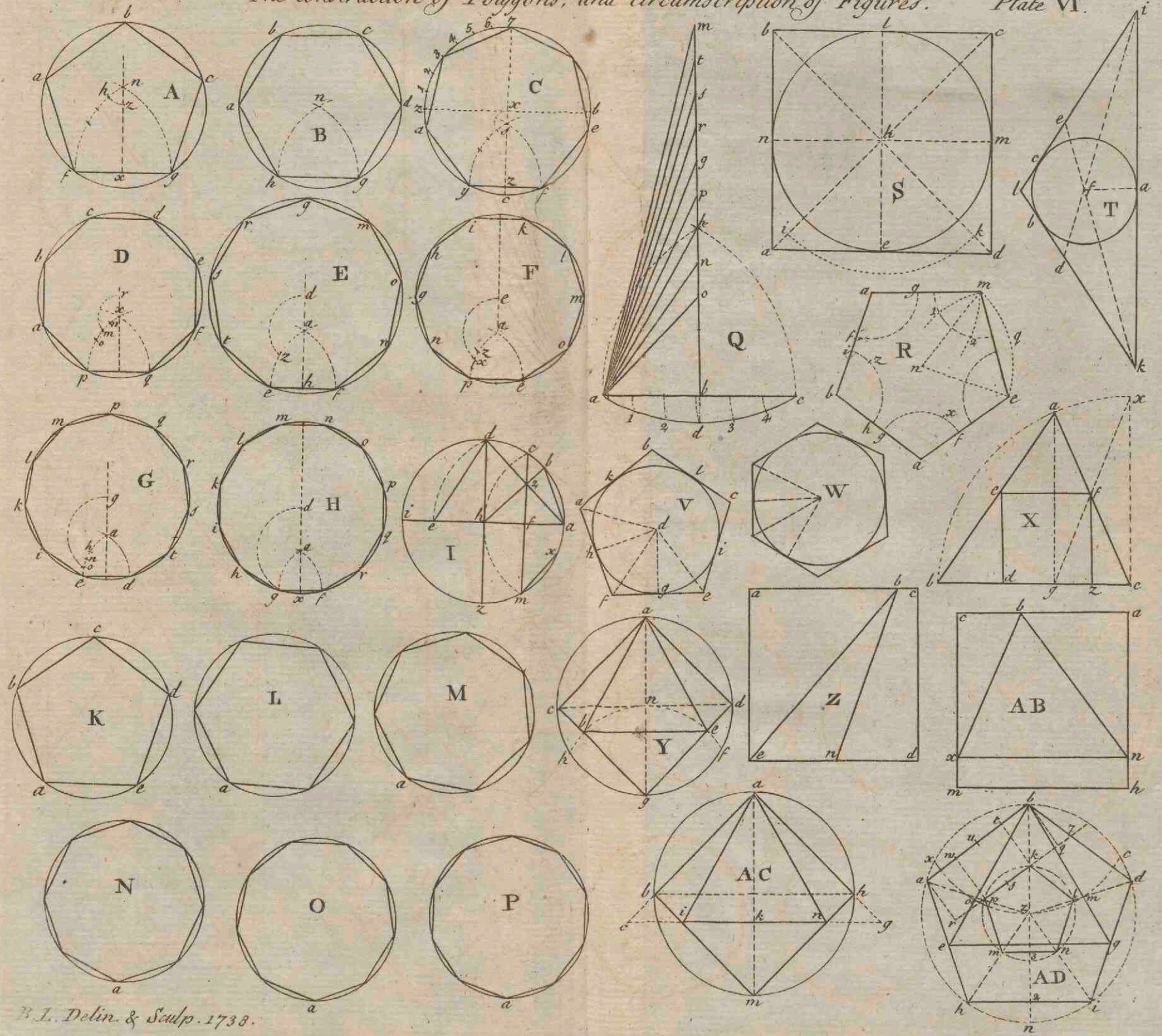
The Construction of Figures and Arches.

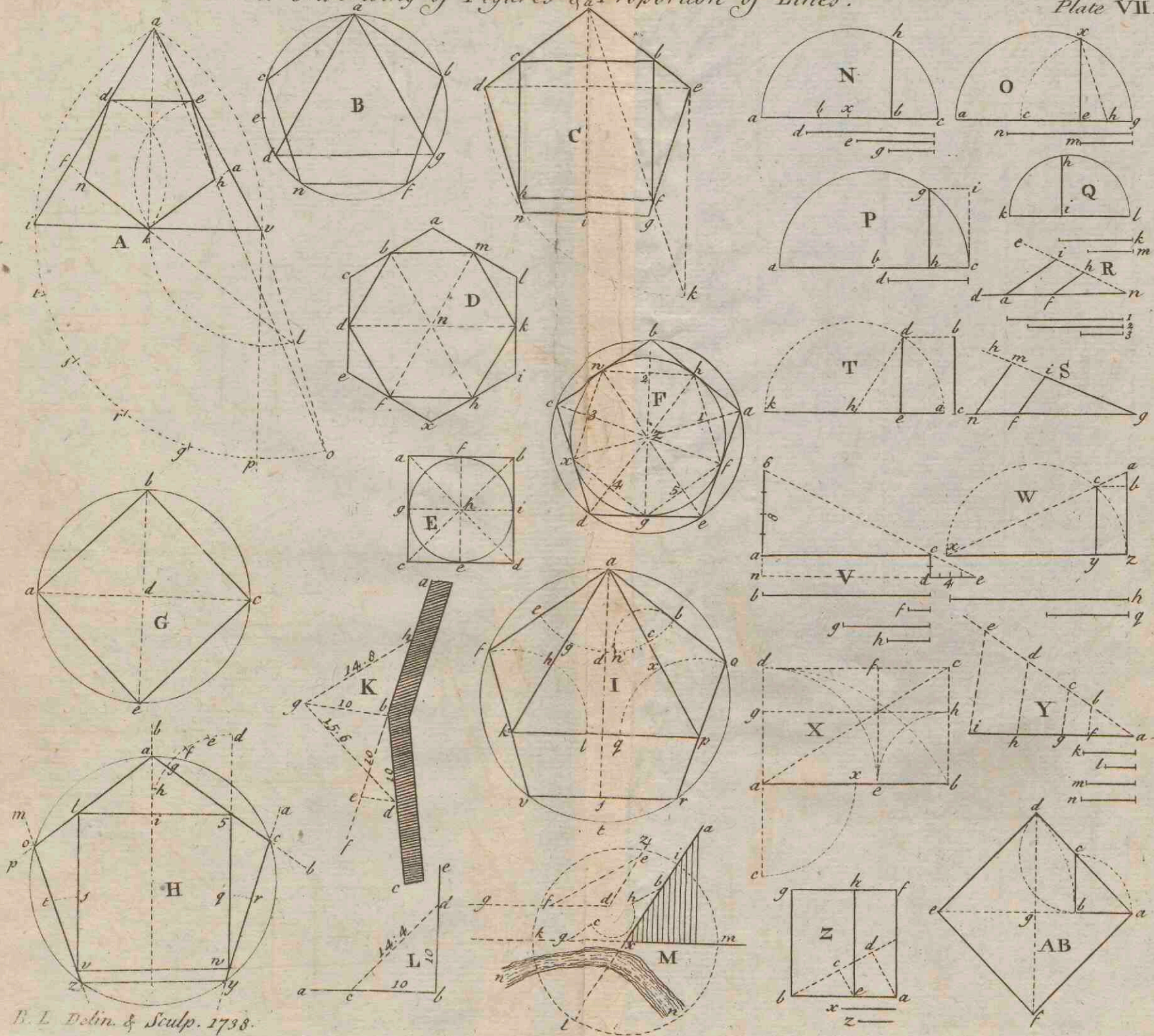
Plate IV.

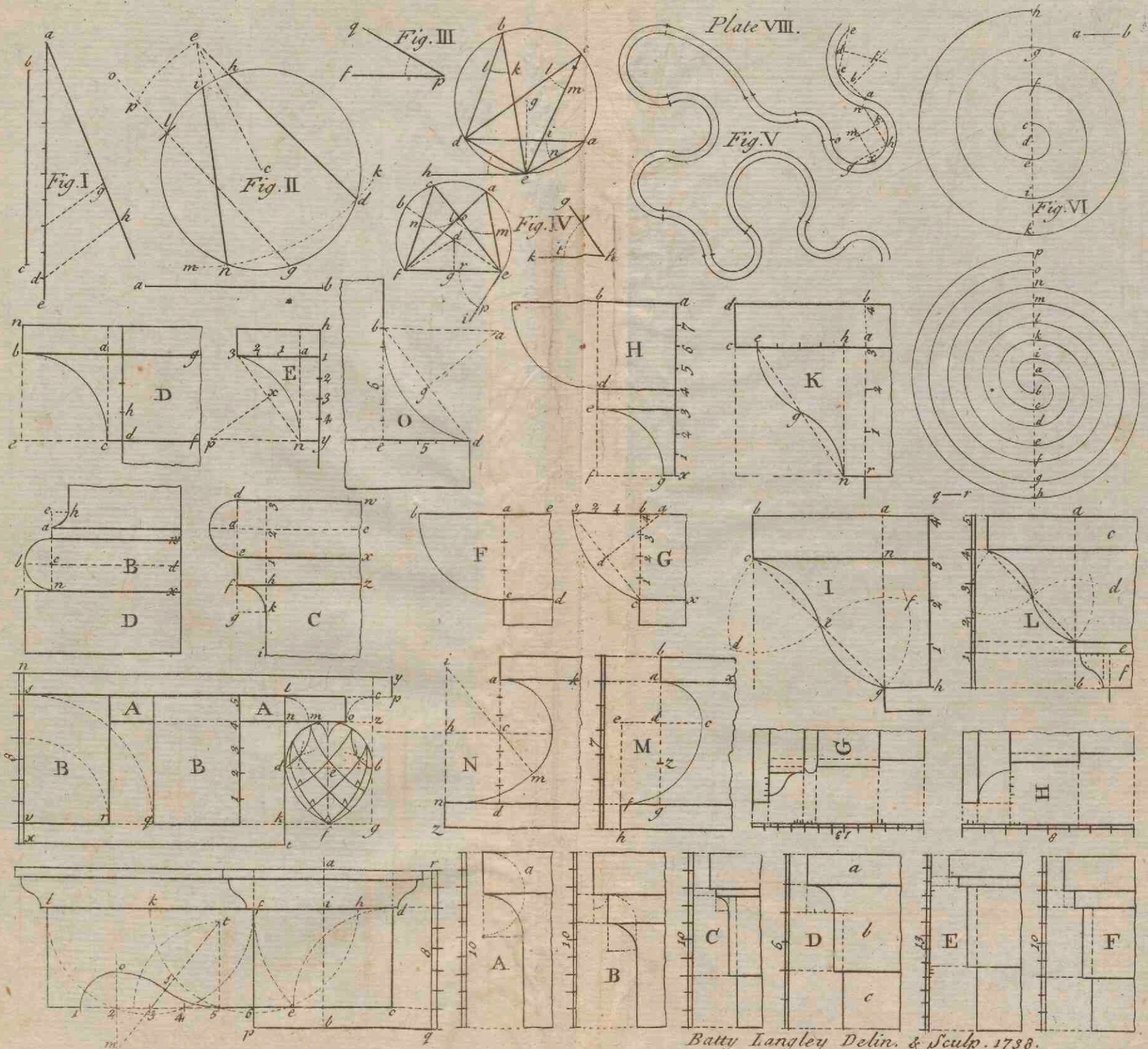


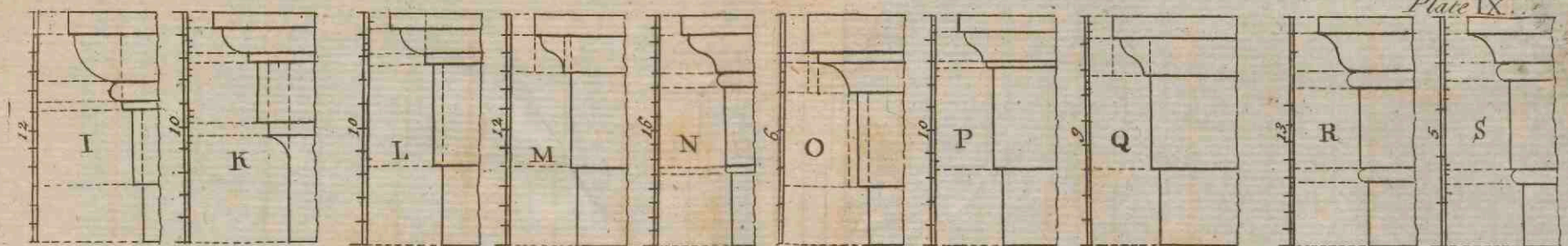
The construction of Arches, Parabola's and Hyperbola's.



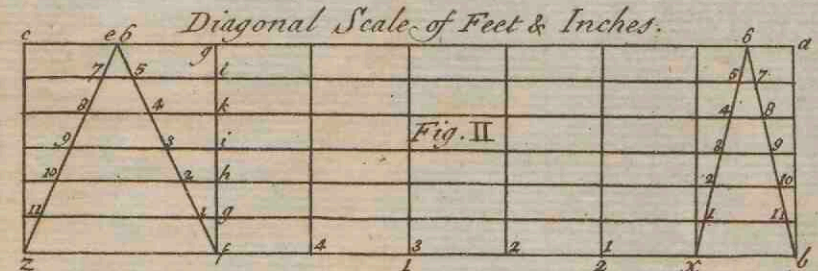
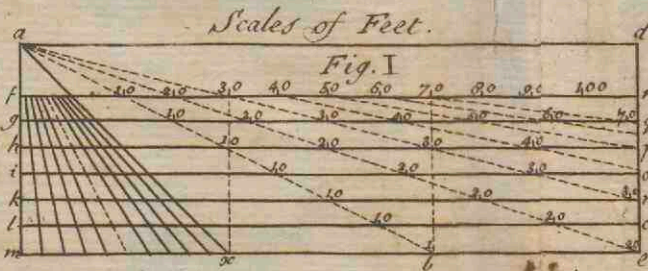
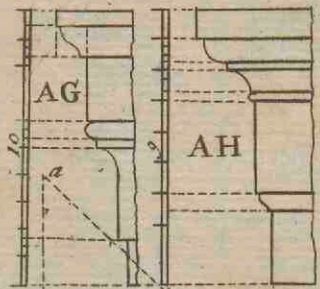
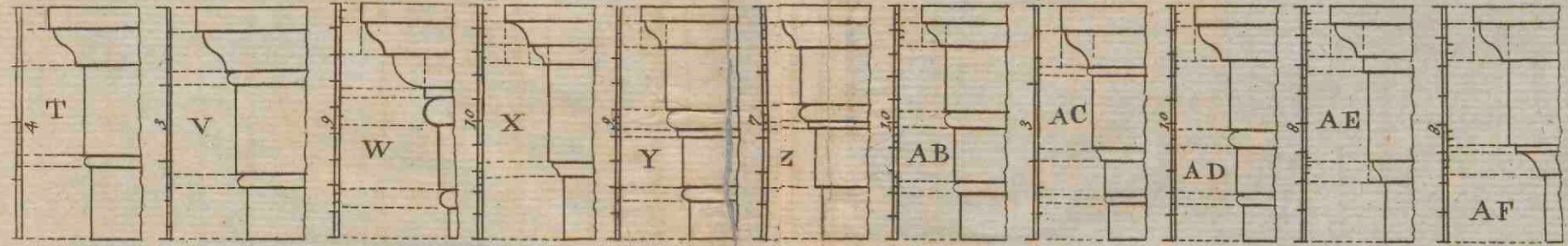








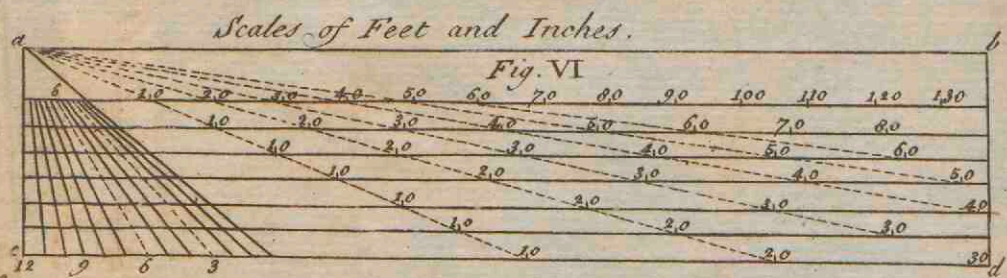
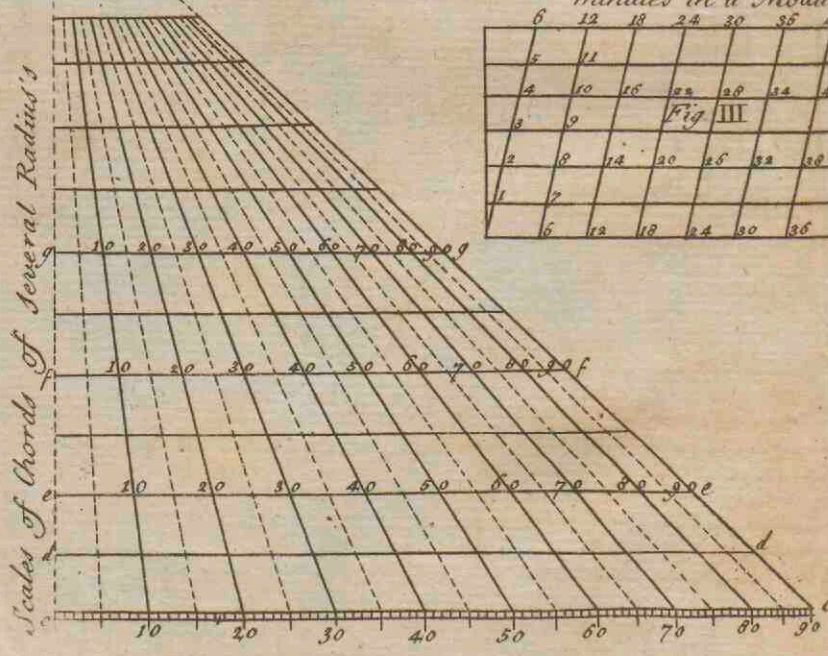
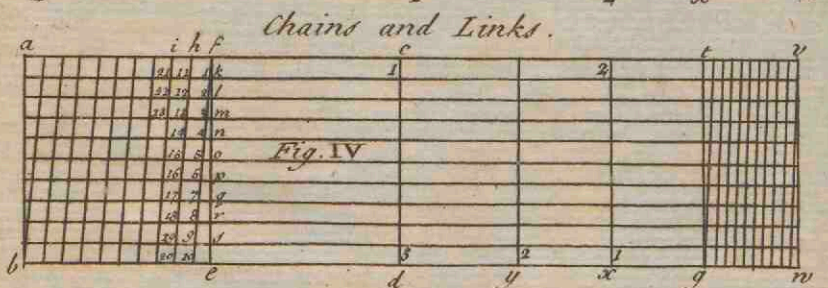
Architraves for Doors, Windows, Niches, and Chimney Pieces.



minutes in a Module.

Fig. III

6	12	18	24	30	36	42	48	54	60
5	11	17	23	29	35	41	47	53	59
4	10	16	22	28	34	40	46	52	58
3	9	15	21	27	33	39	45	51	57
2	8	14	20	26	32	38	44	50	56
1	7	13	19	25	31	37	43	49	55
6	12	18	24	30	36	42	48	54	60



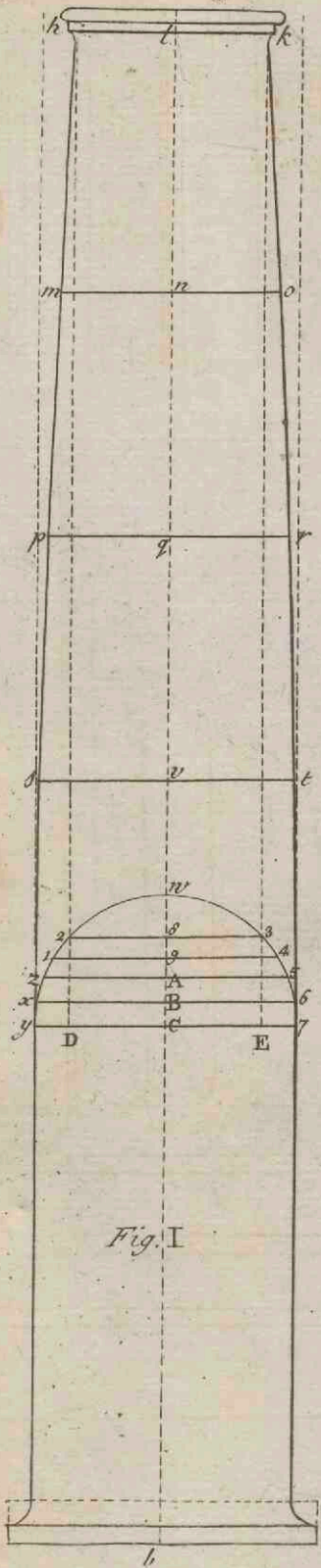


Fig. I

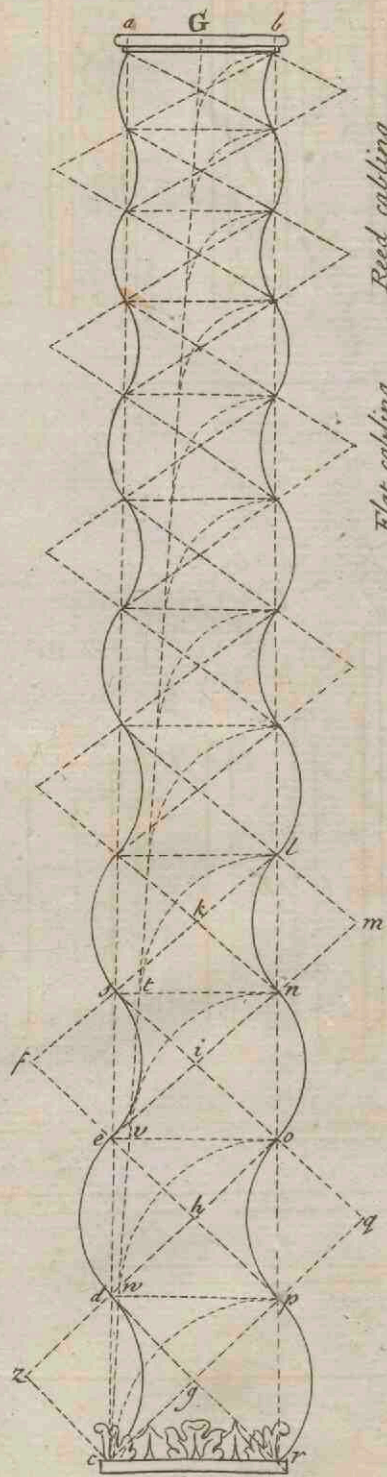


Fig. II

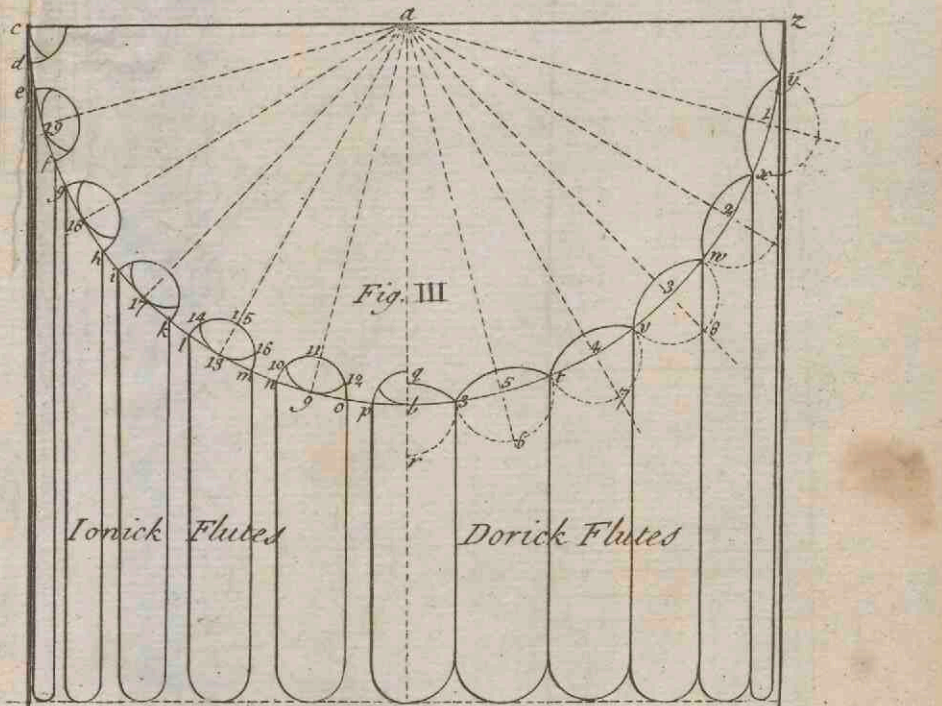
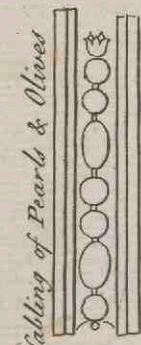
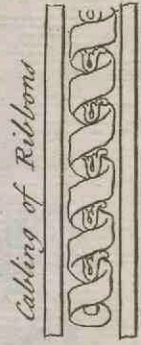
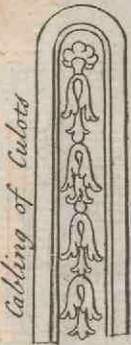
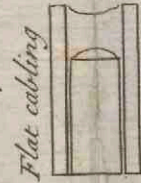
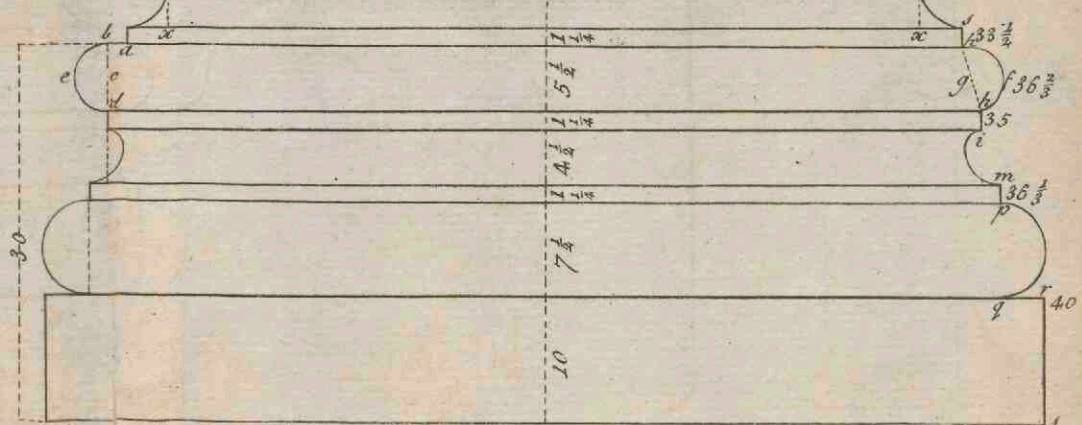


Fig. III

Ionick Flutes

Dorick Flutes



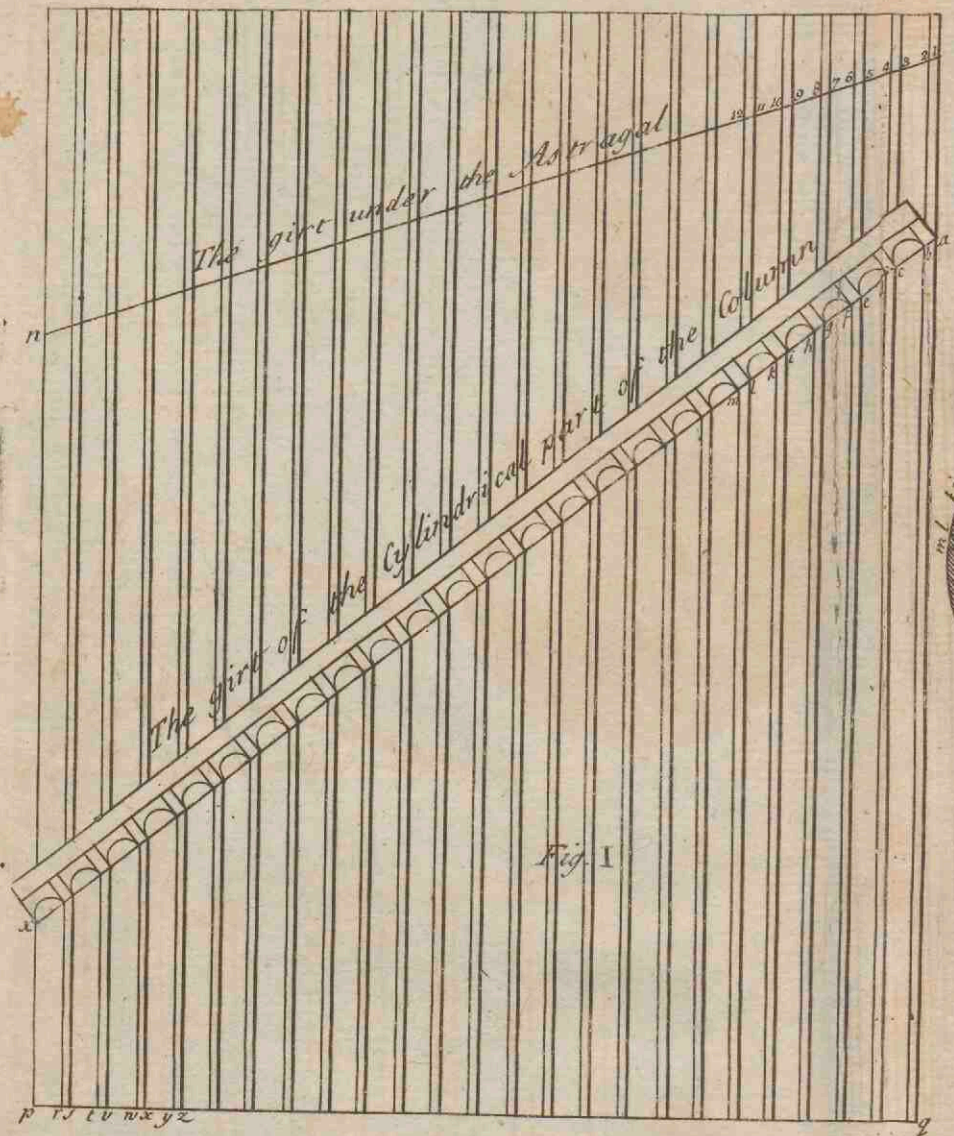
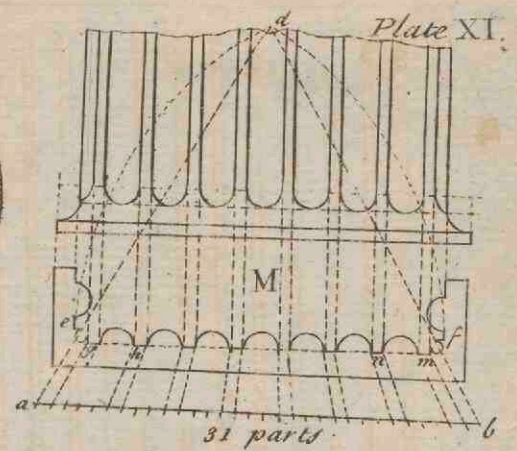
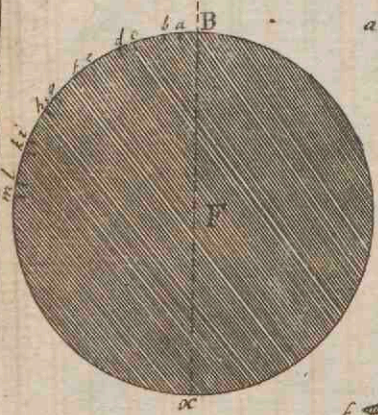
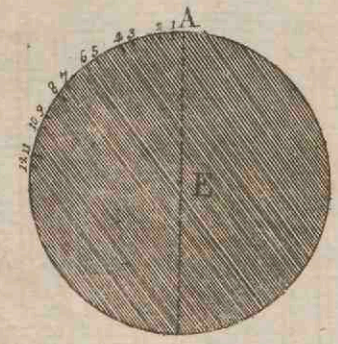


Fig. I



31 parts

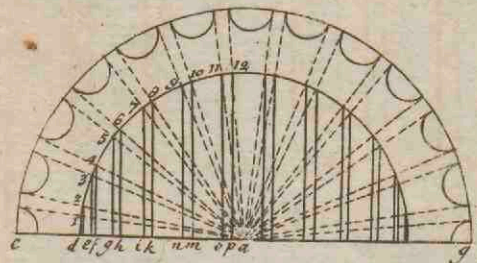
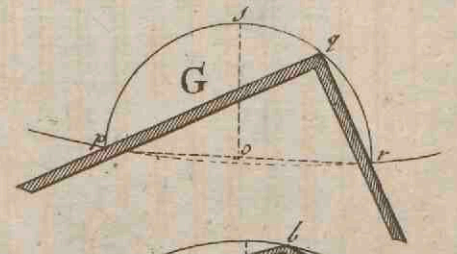


Fig. II

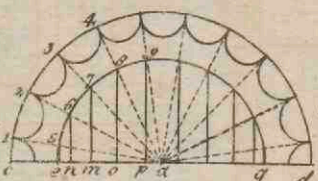
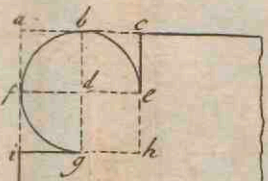
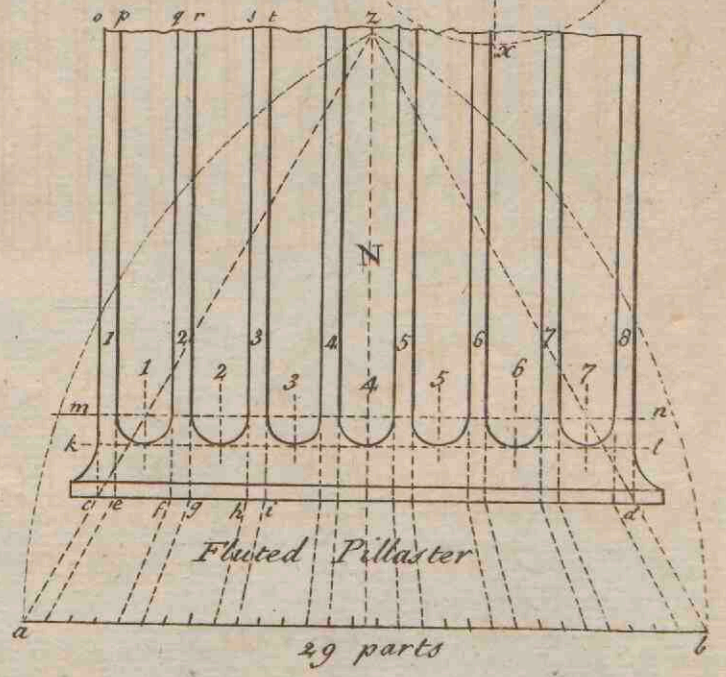


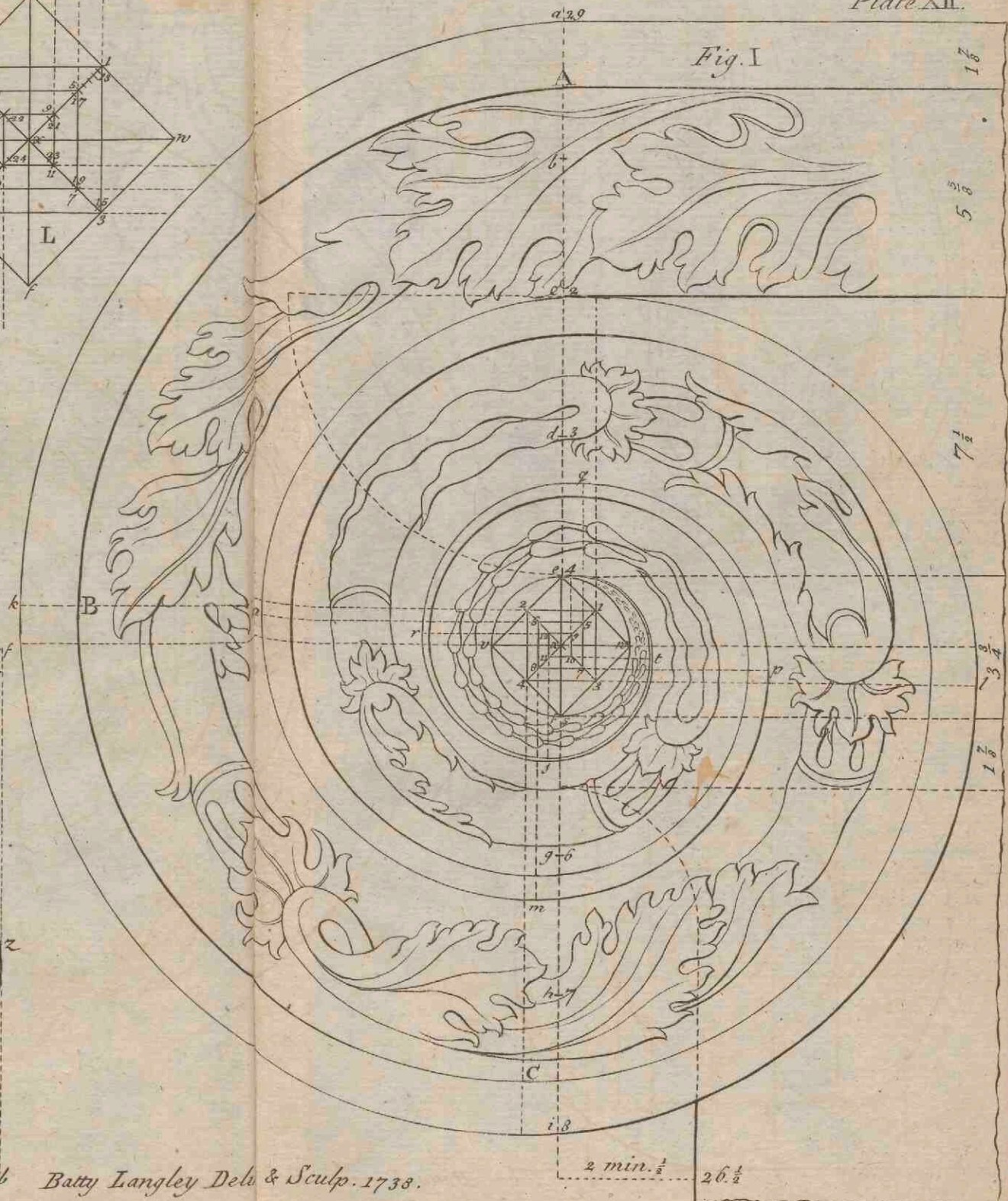
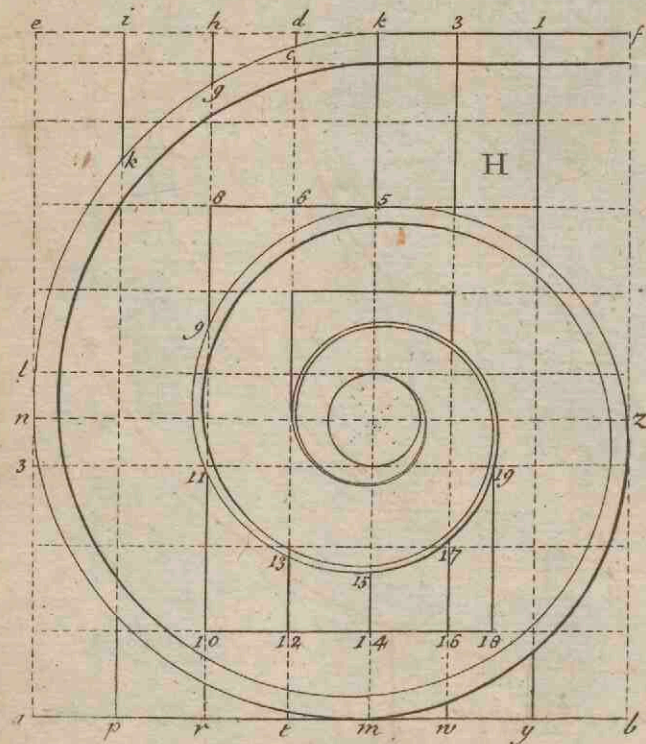
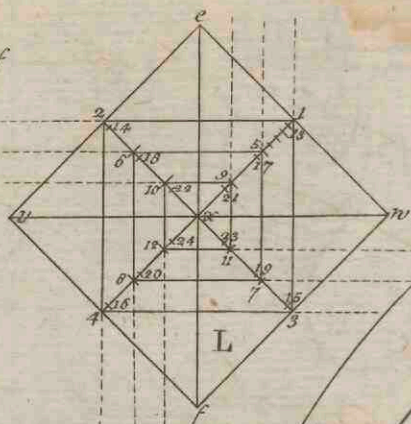
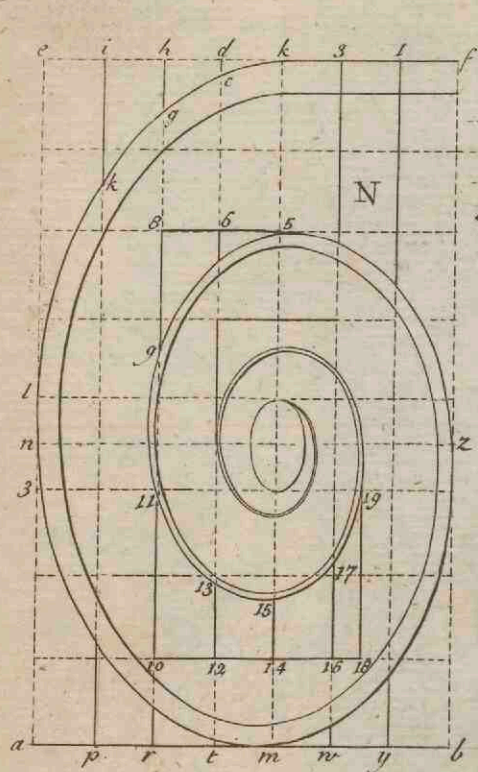
Fig. III



AB



29 parts



Batty Langley Dela & Sculp. 1738.

2 min. 1/2 26 1/2

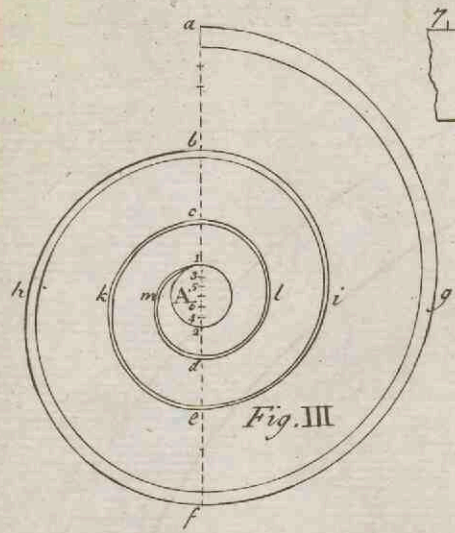
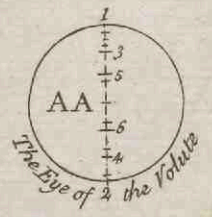


Fig. III



The Eye of the Volume

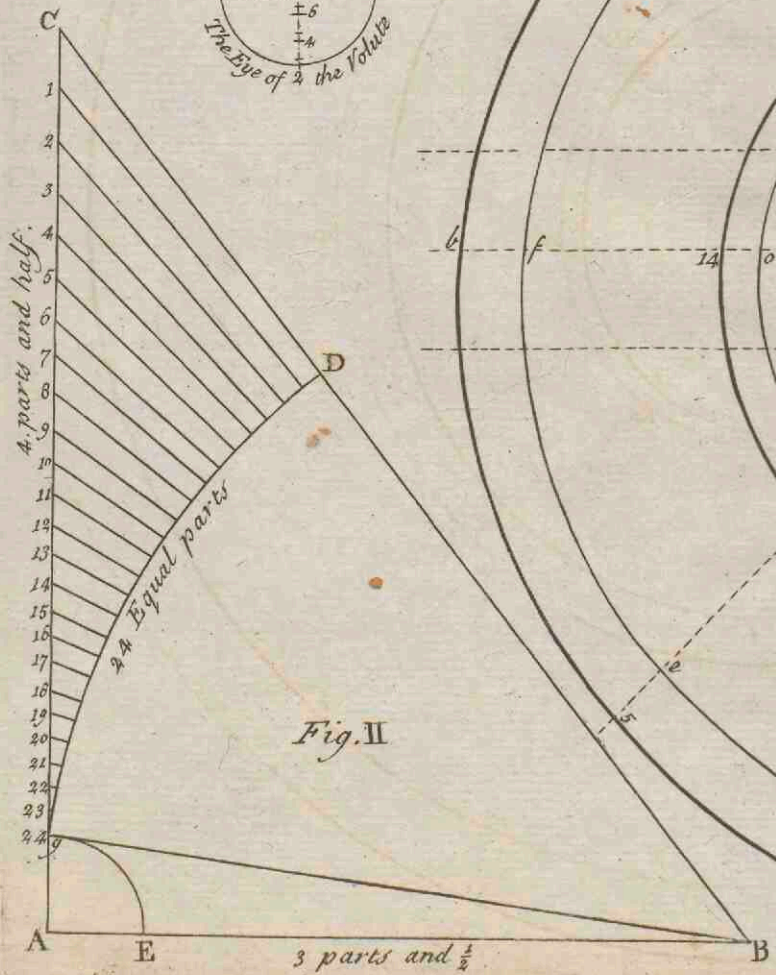


Fig. II

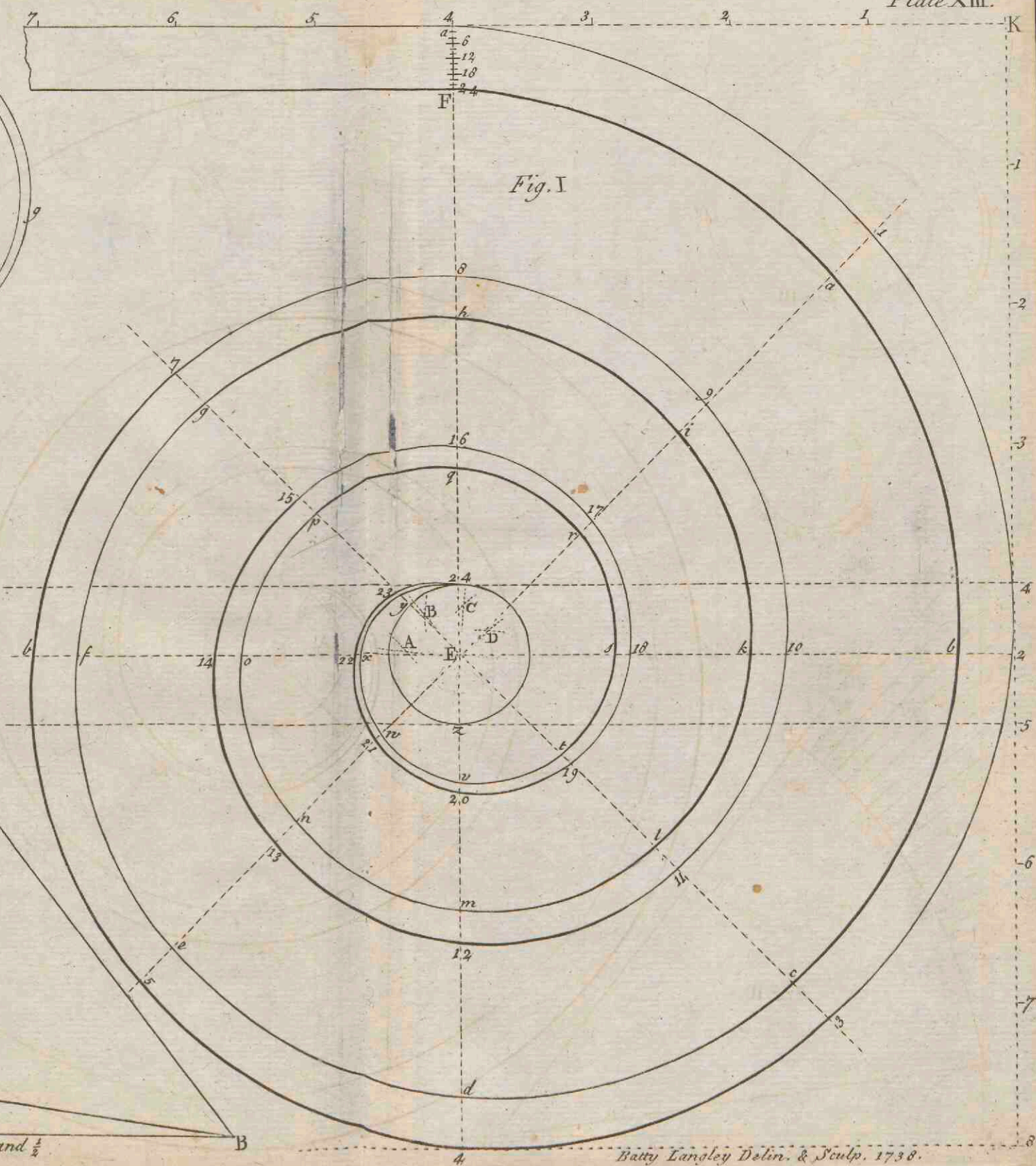
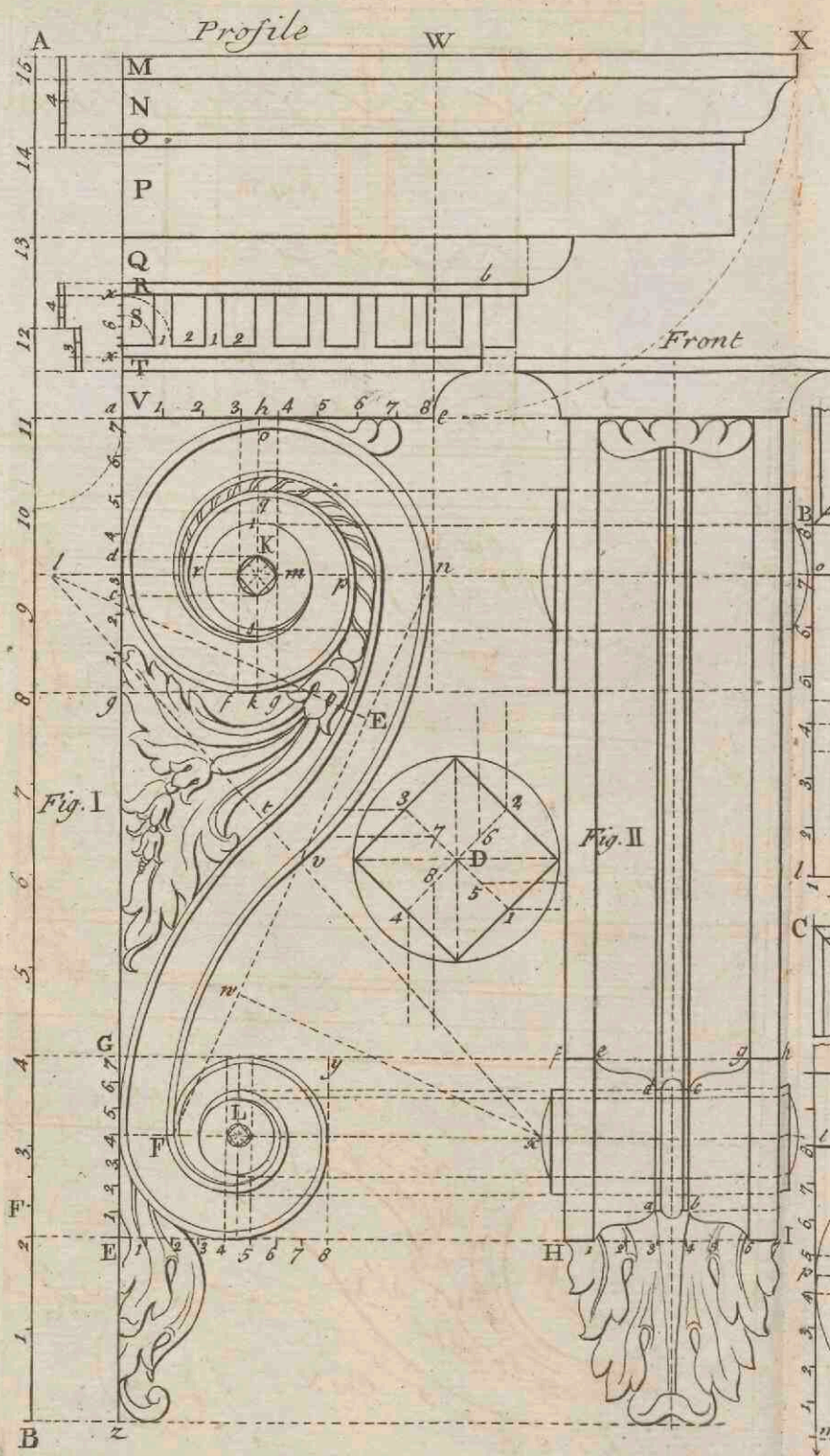


Fig. I



The Face or direct view of a Modillion.

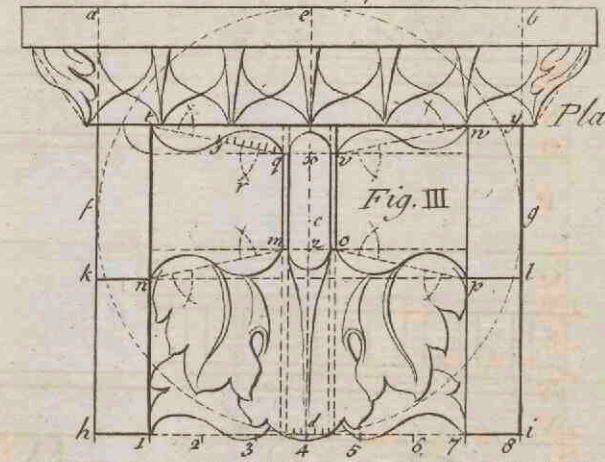
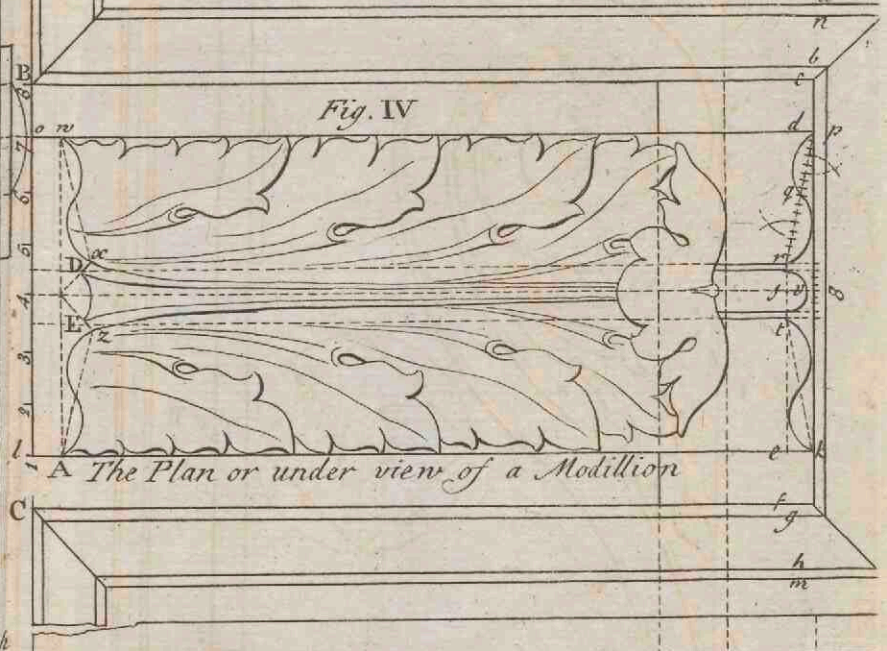


Plate XIV.

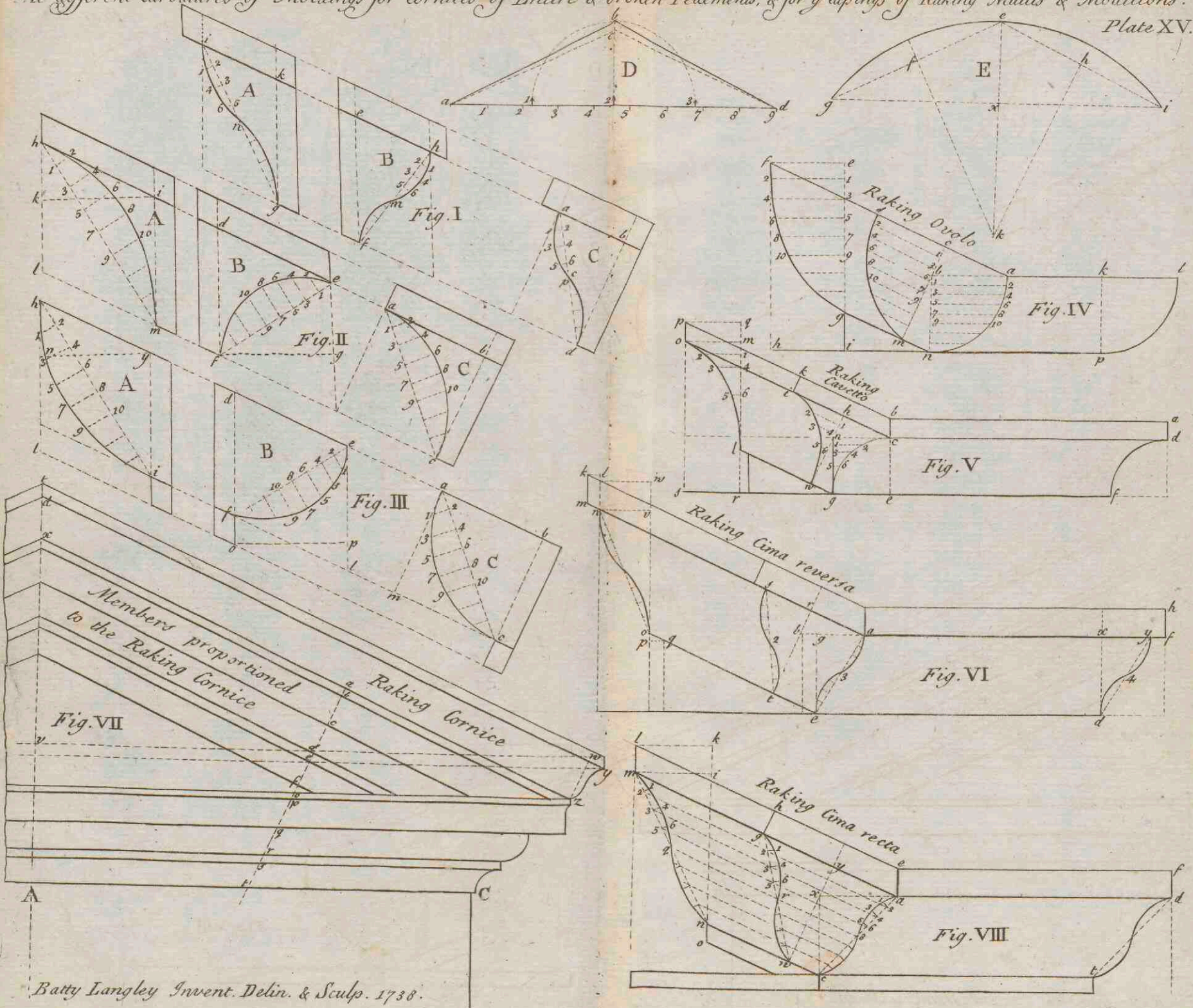


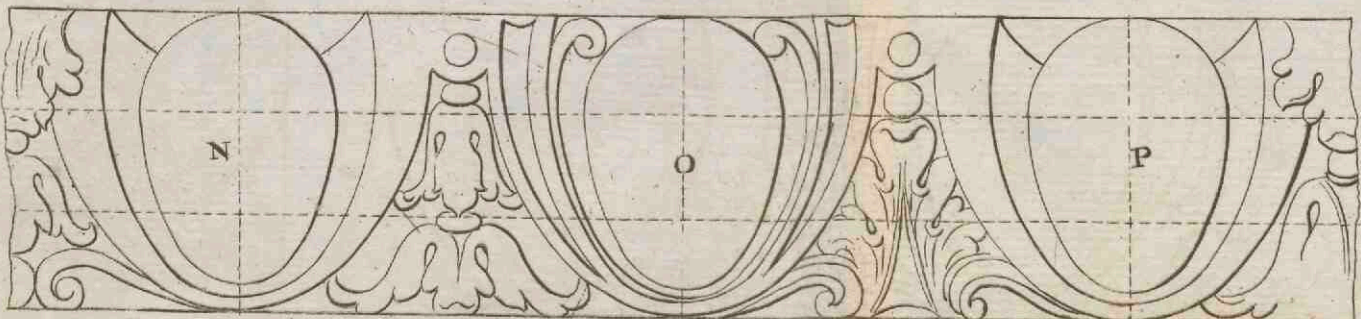
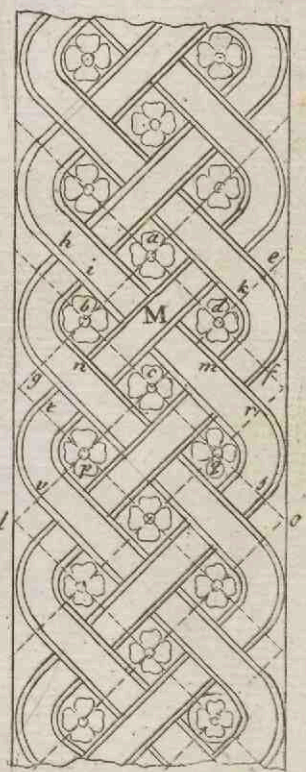
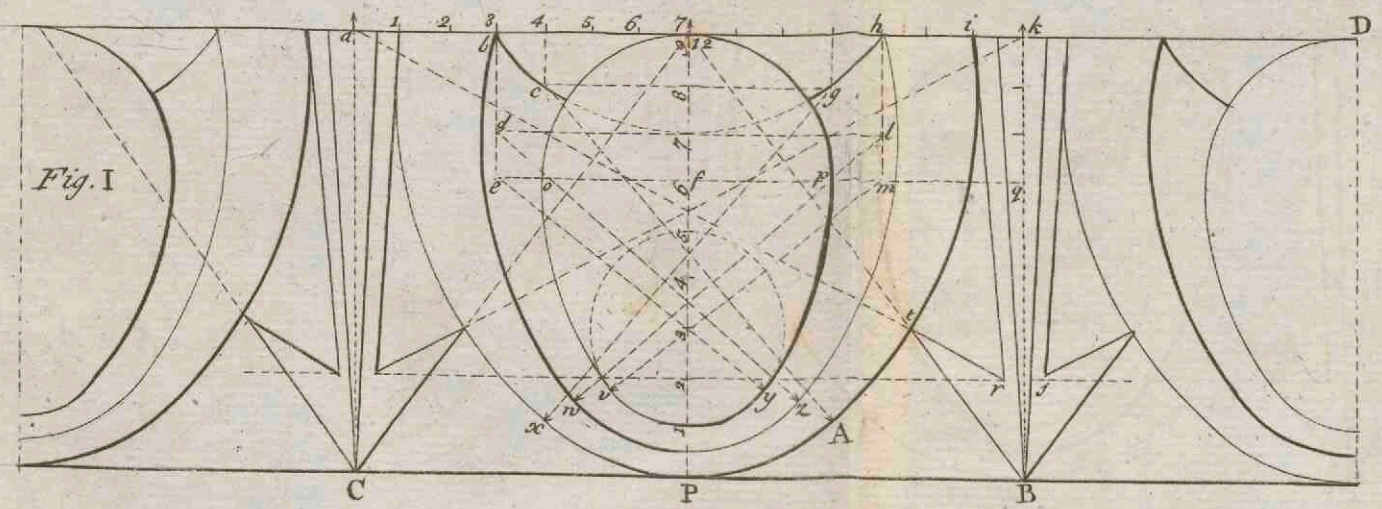
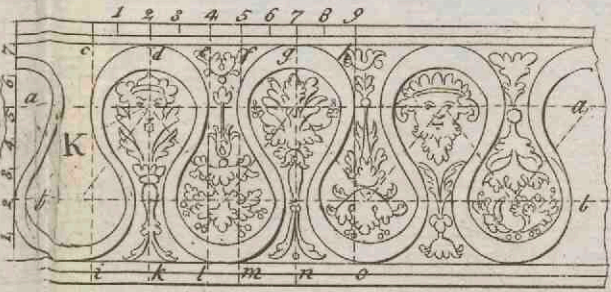
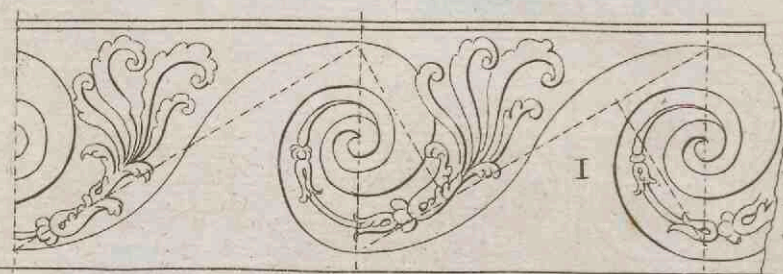
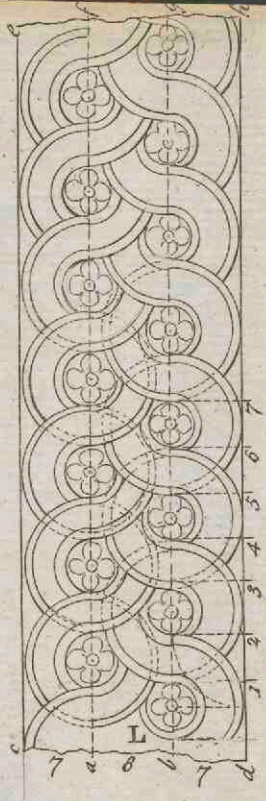
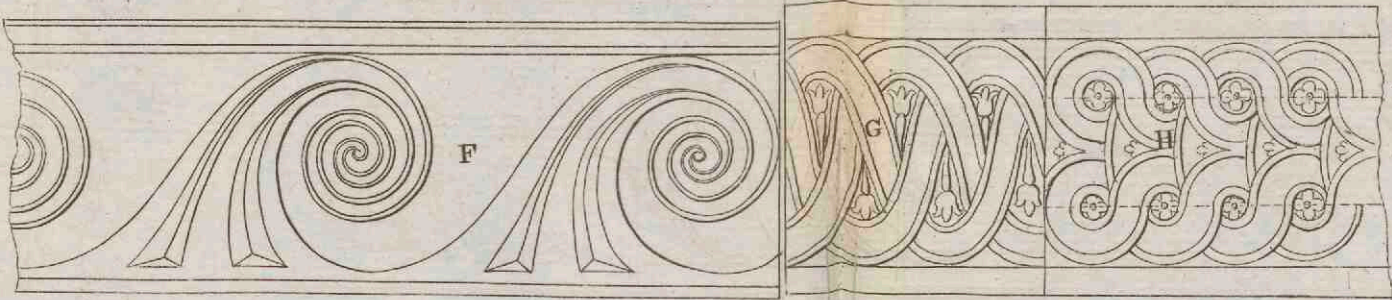
The Profile or side view of a Modillion

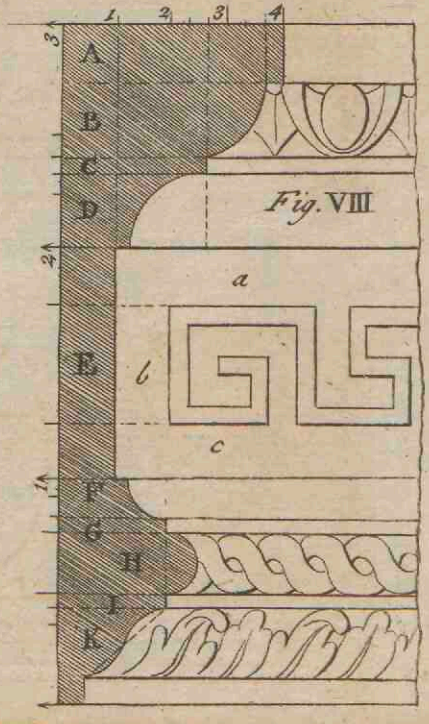
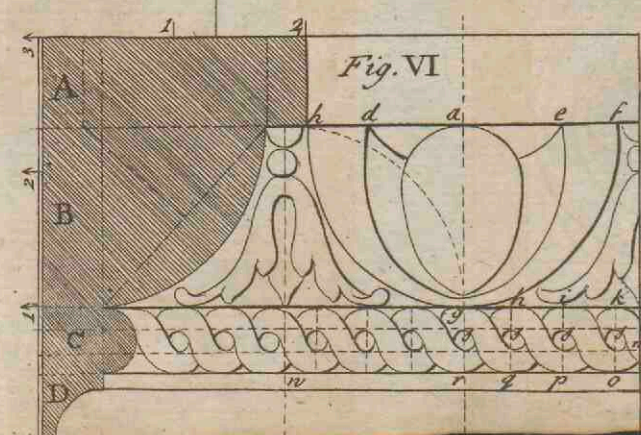
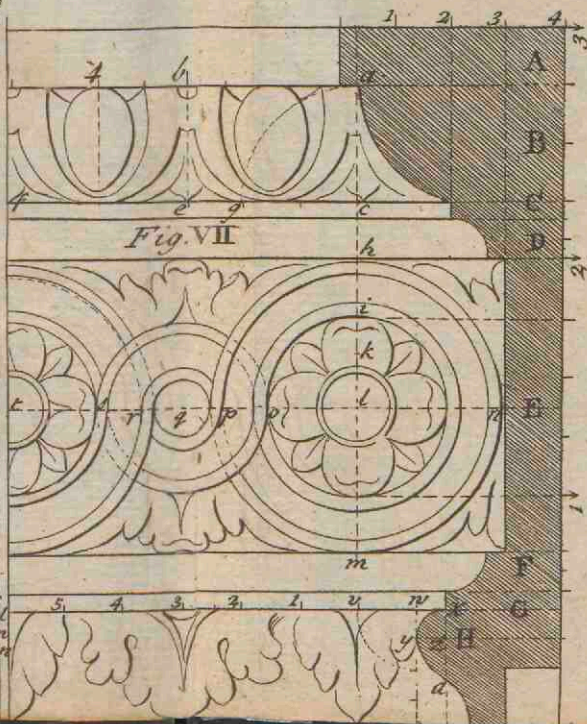
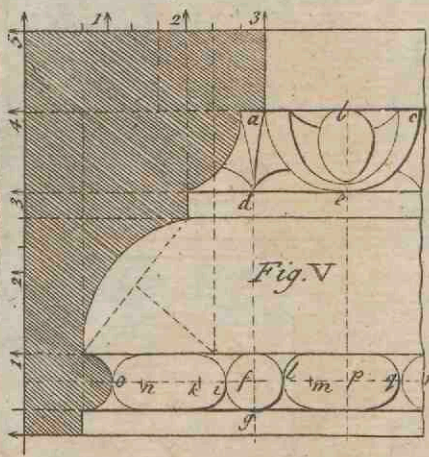
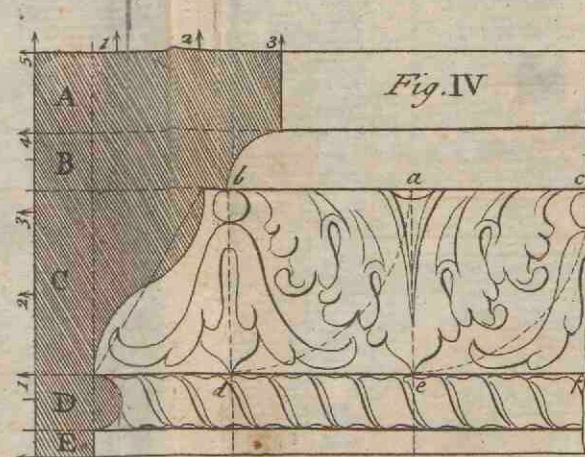
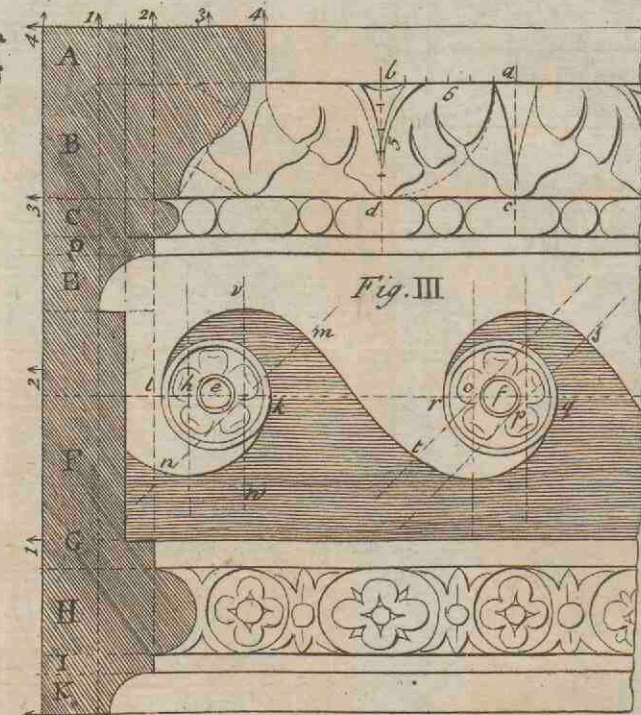
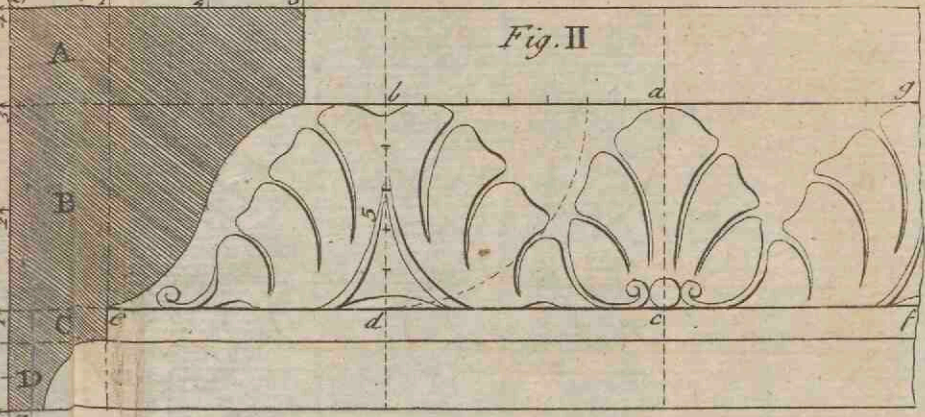
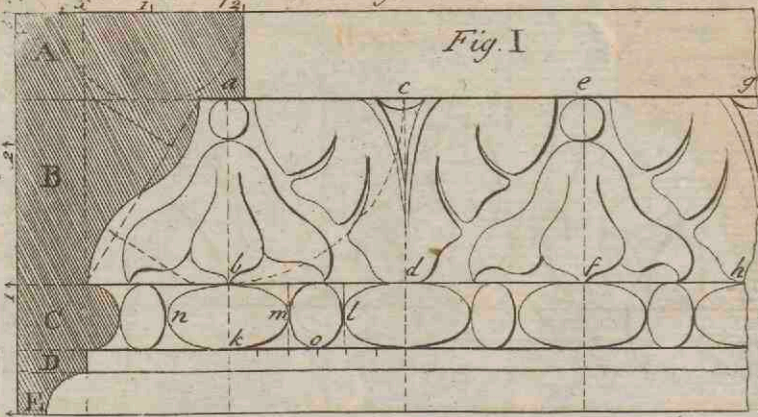


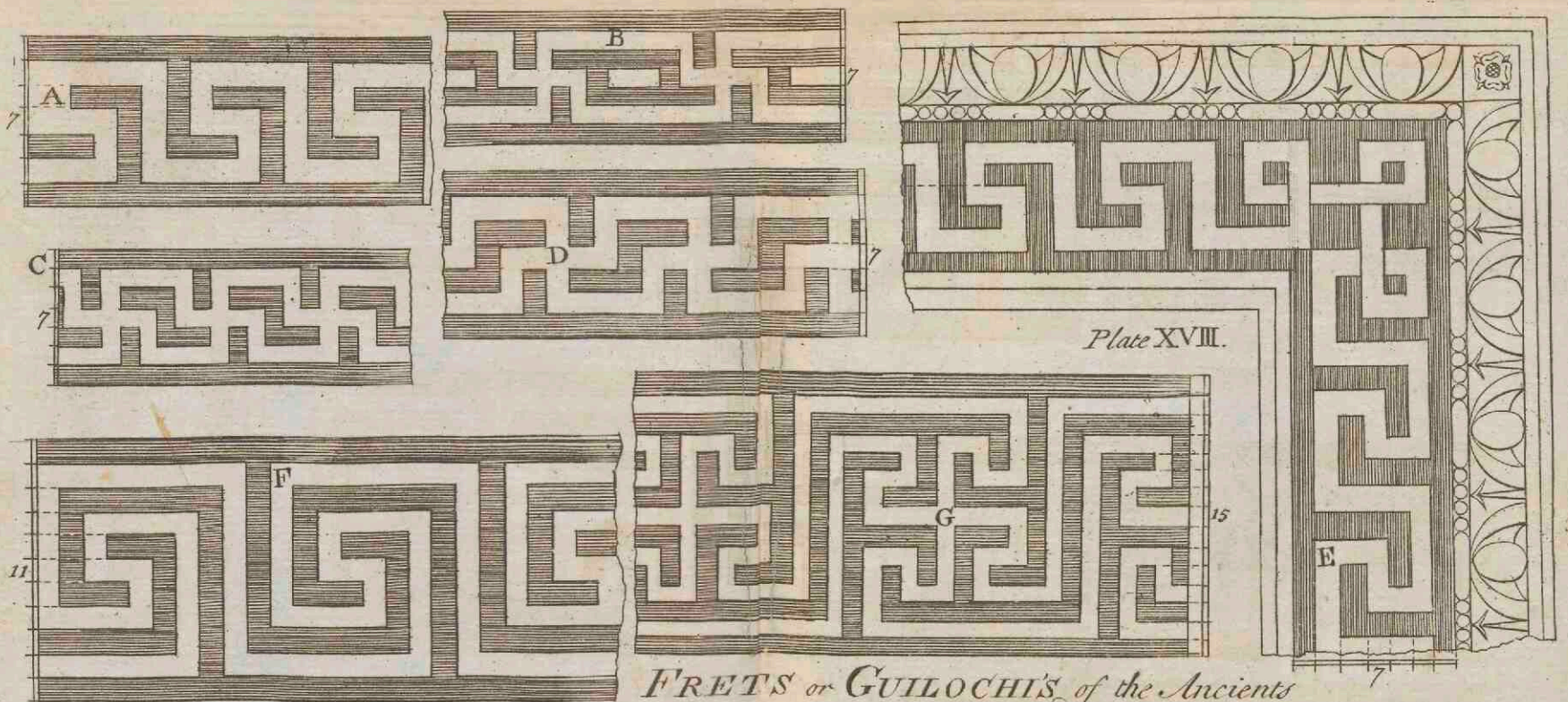
The different Curvatures of Moldings for Cornices of Entire & broken Pedements, & for the Capings of Raking Mutils & Modillions.

Plate XV.

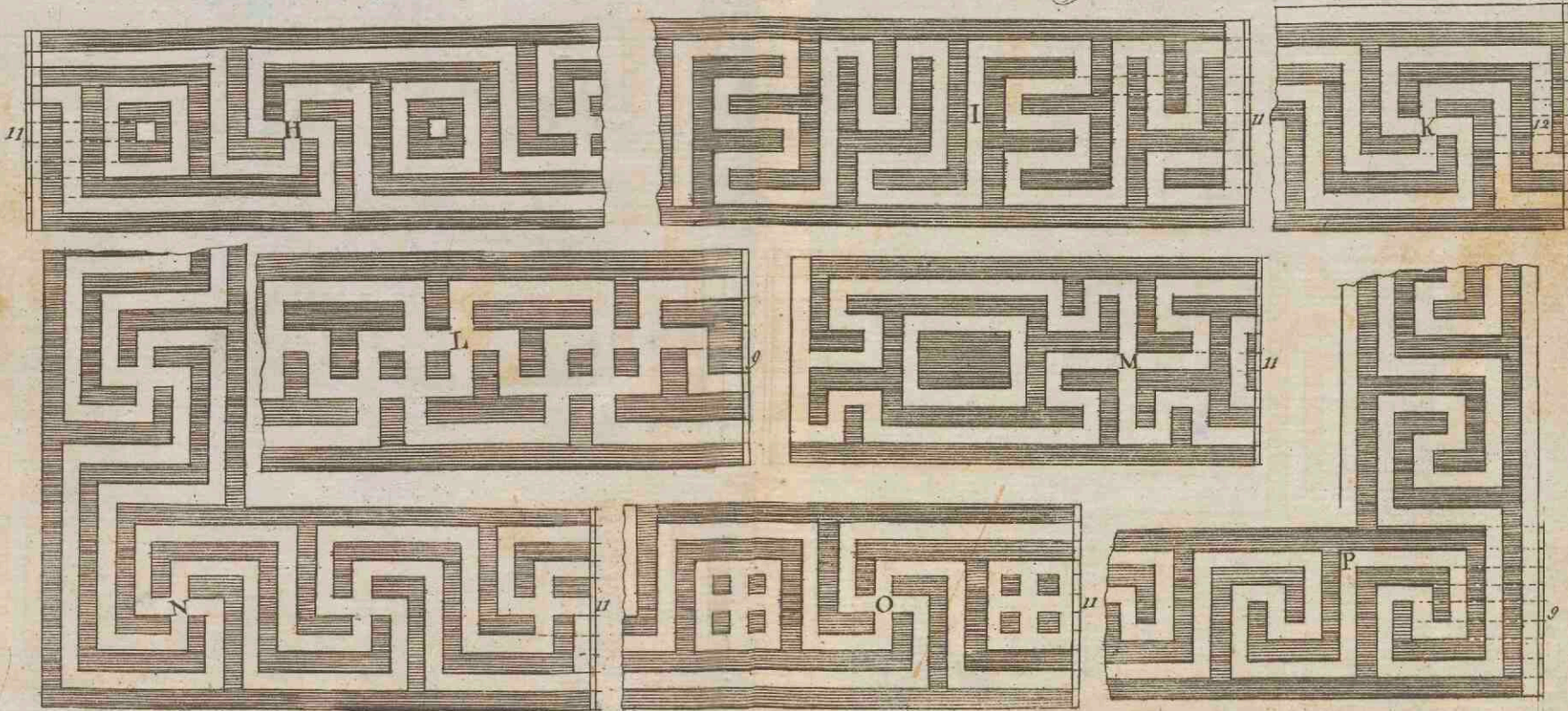




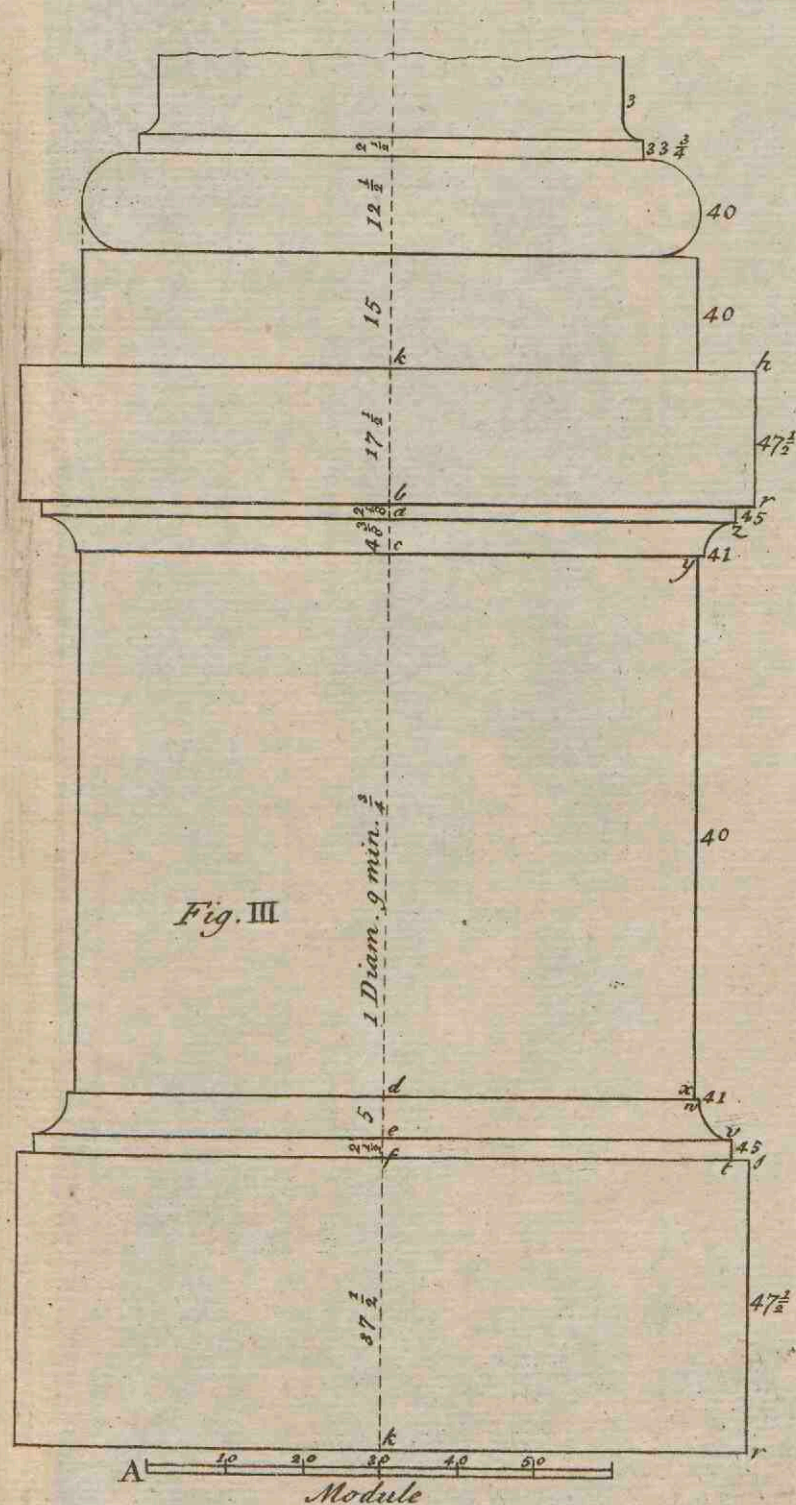
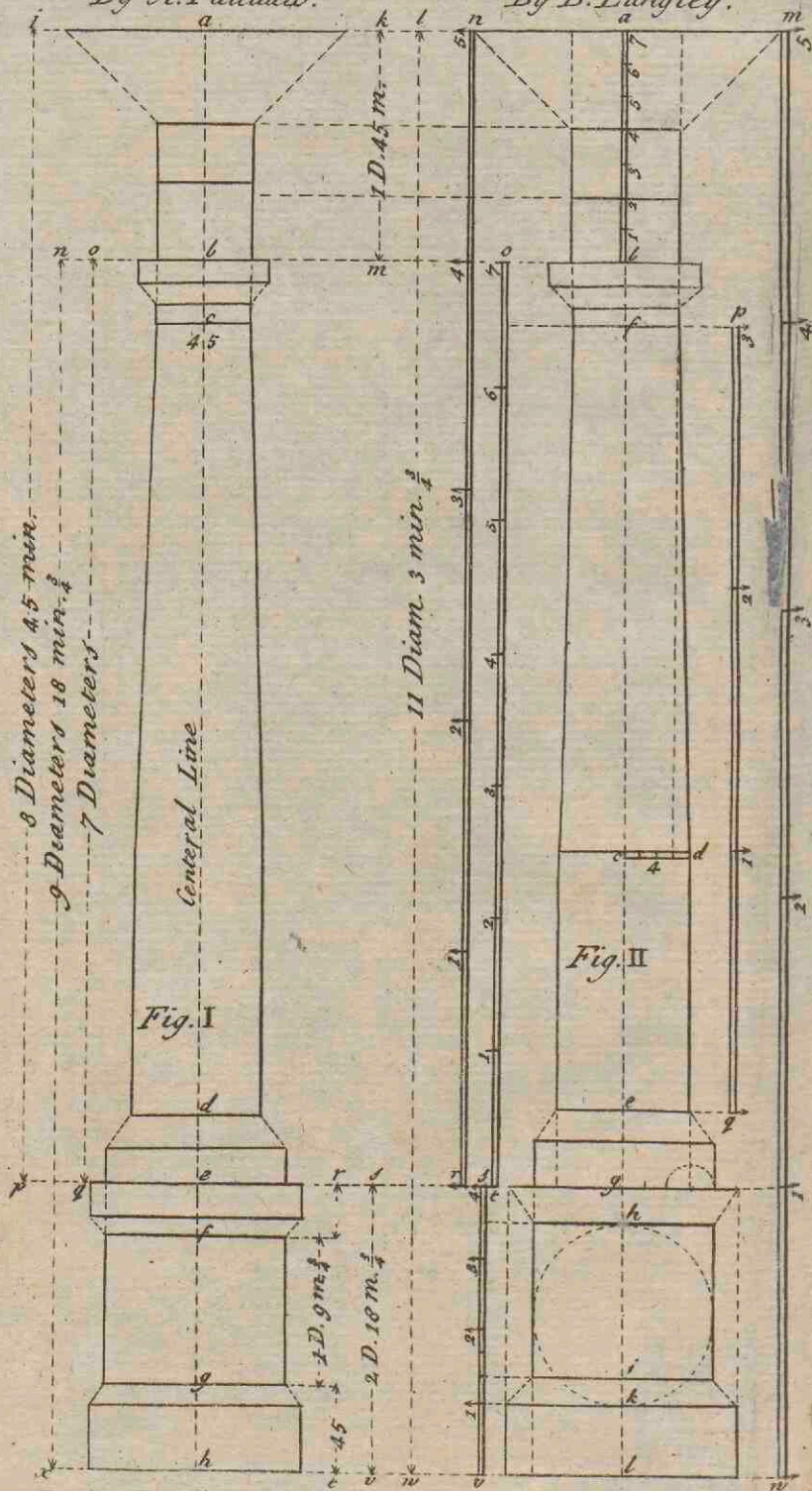


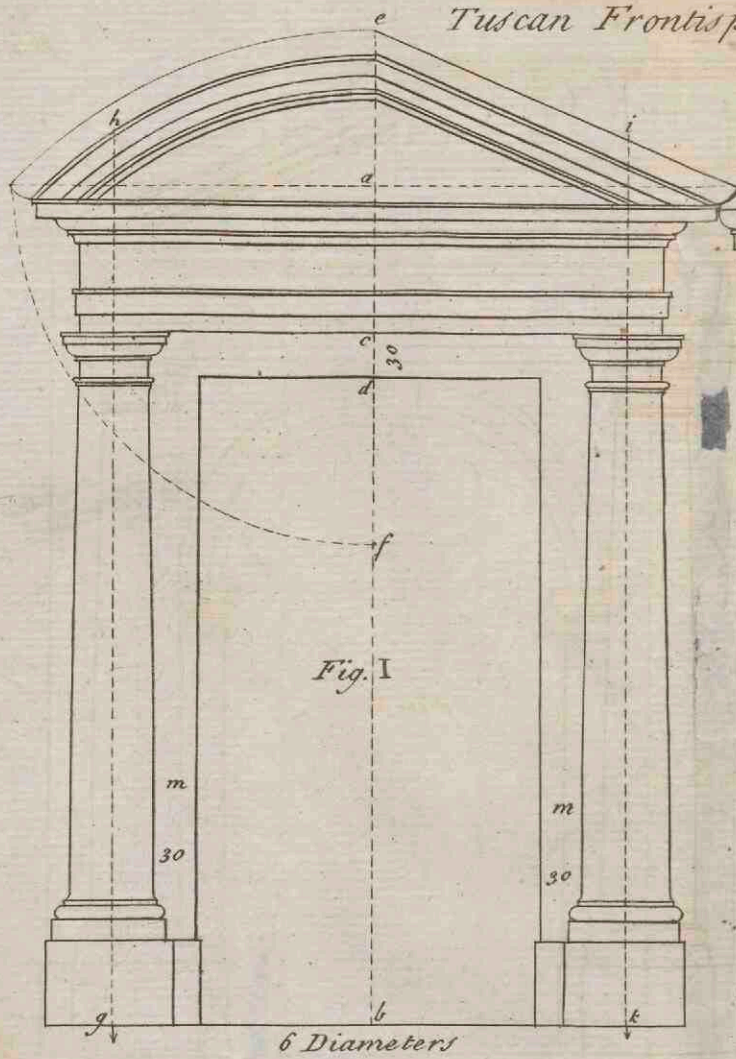


FRETS or GUILOCHIS of the Ancients

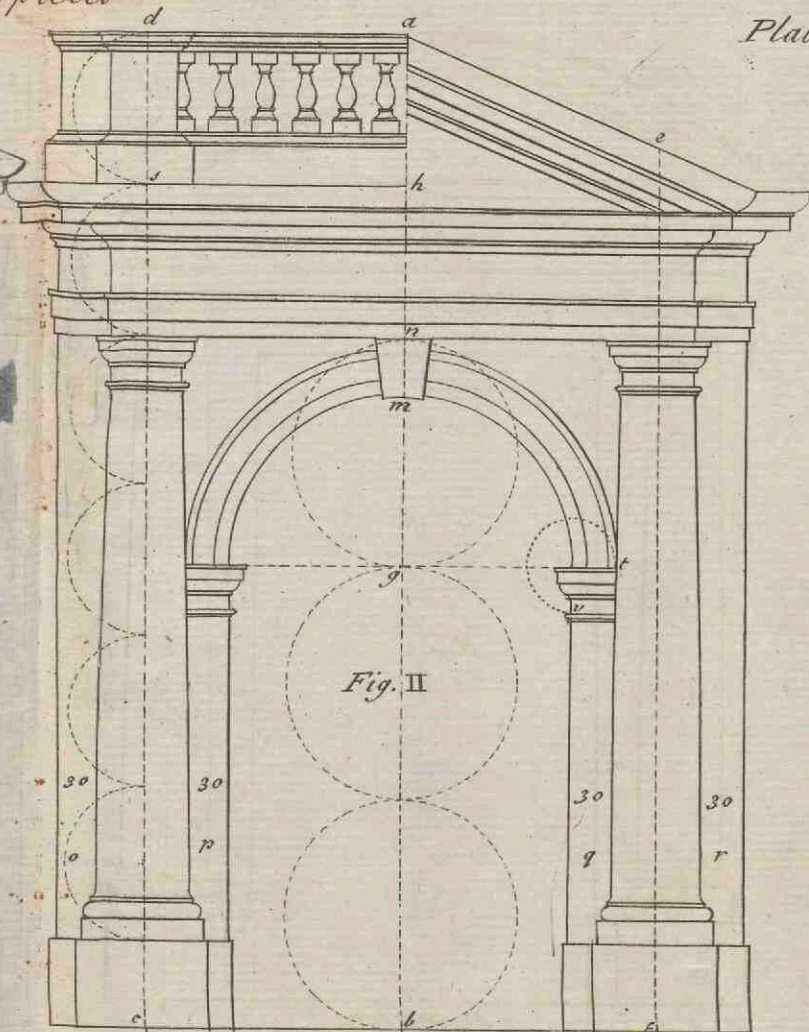


The Principal Parts of the Tuscan Order.
By A. Palladio. By B. Langley.





6 Diameters



6 Diameters

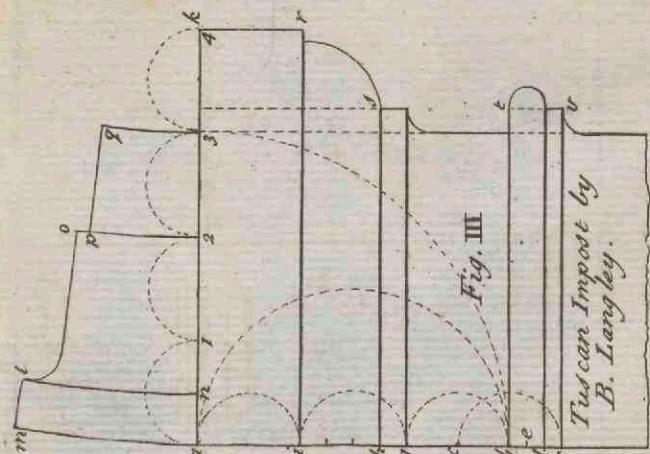


Fig. III

Tuscan Impost by B. Langley.

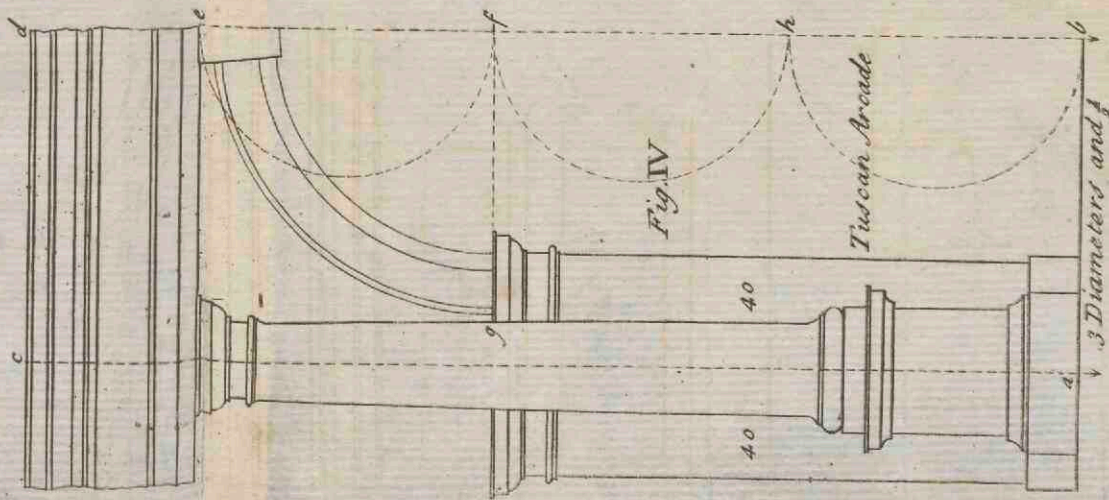
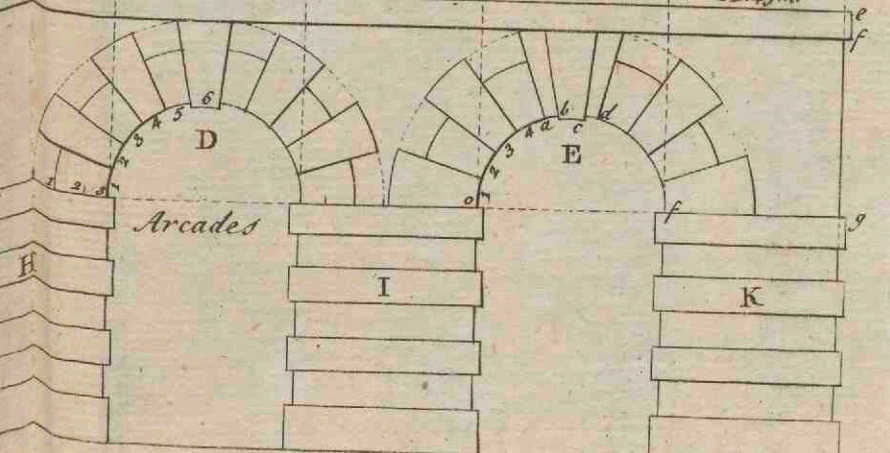
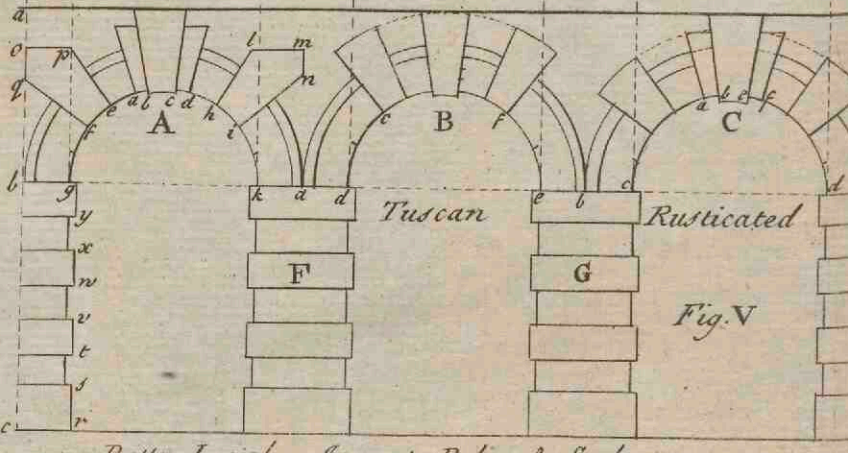
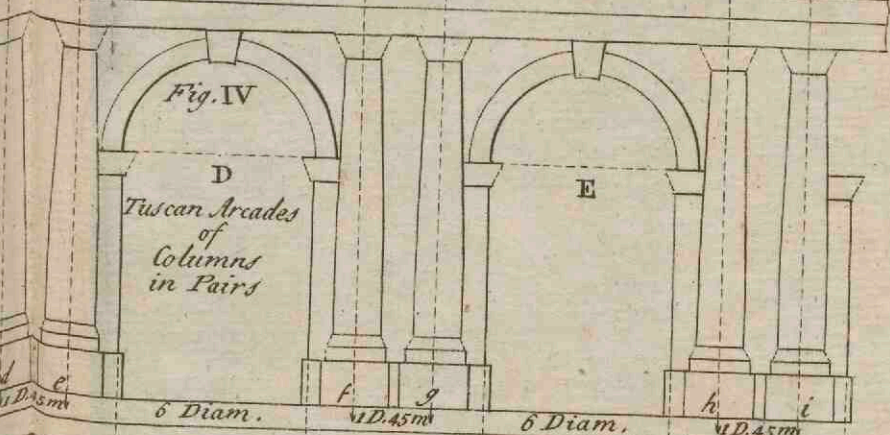
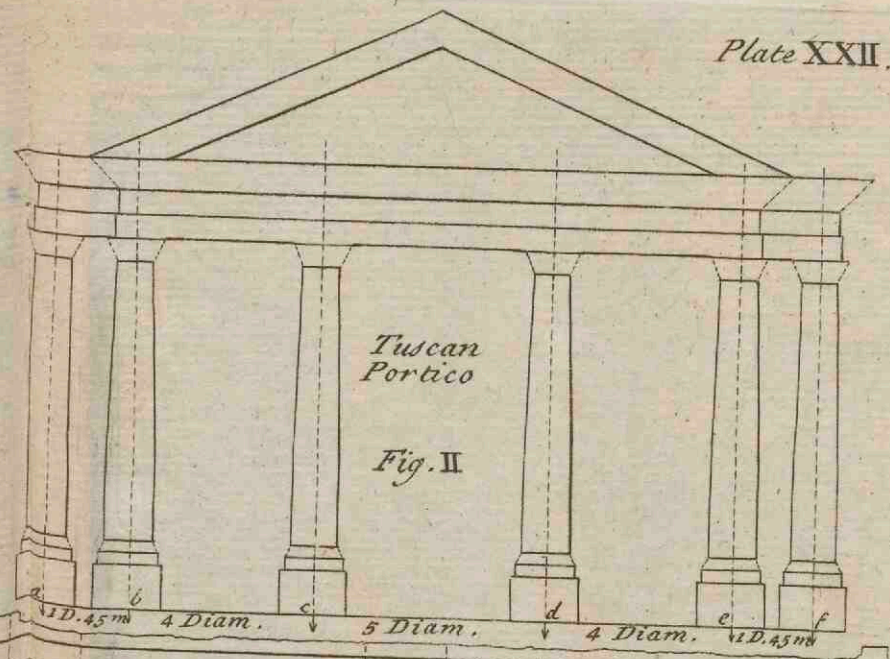
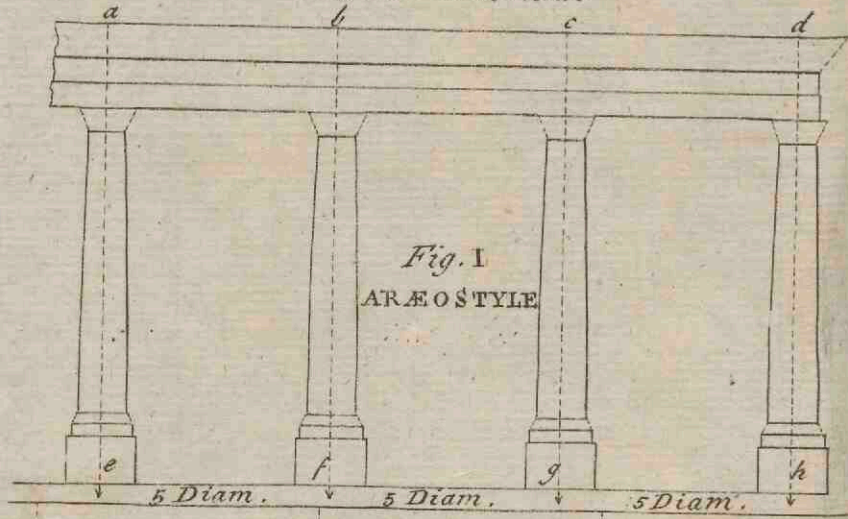


Fig. IV

Tuscan Arcade

3 Diameters and 1/4

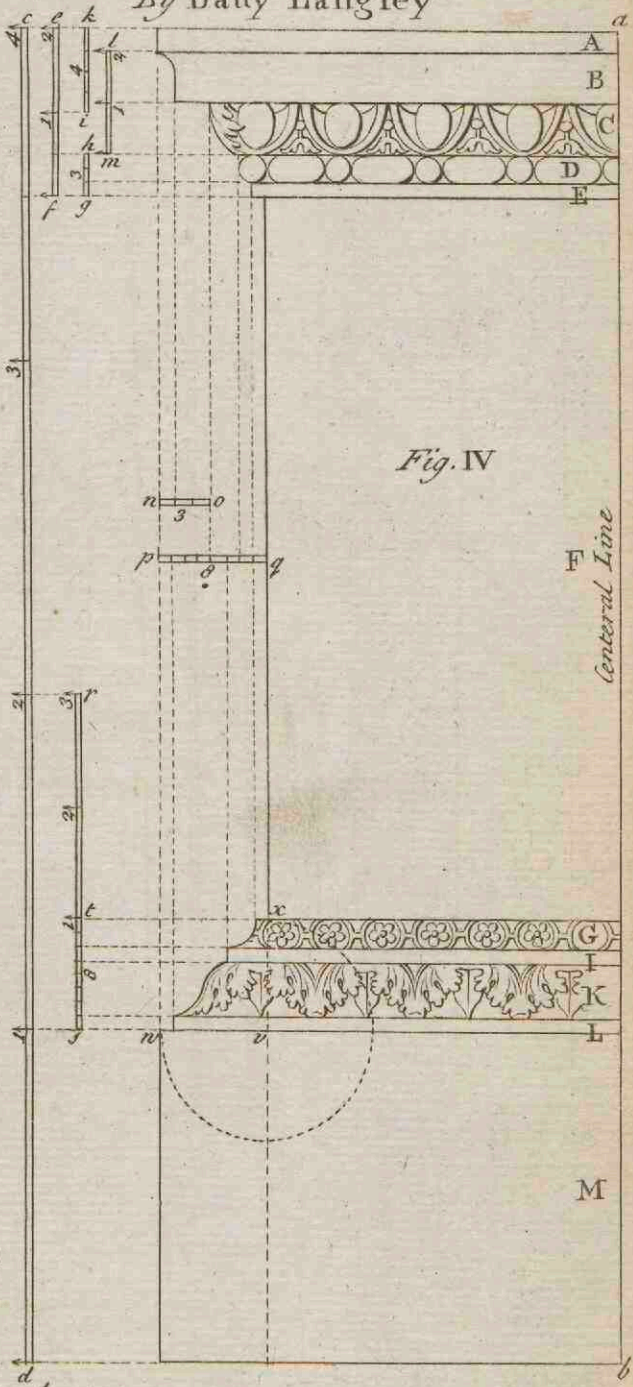
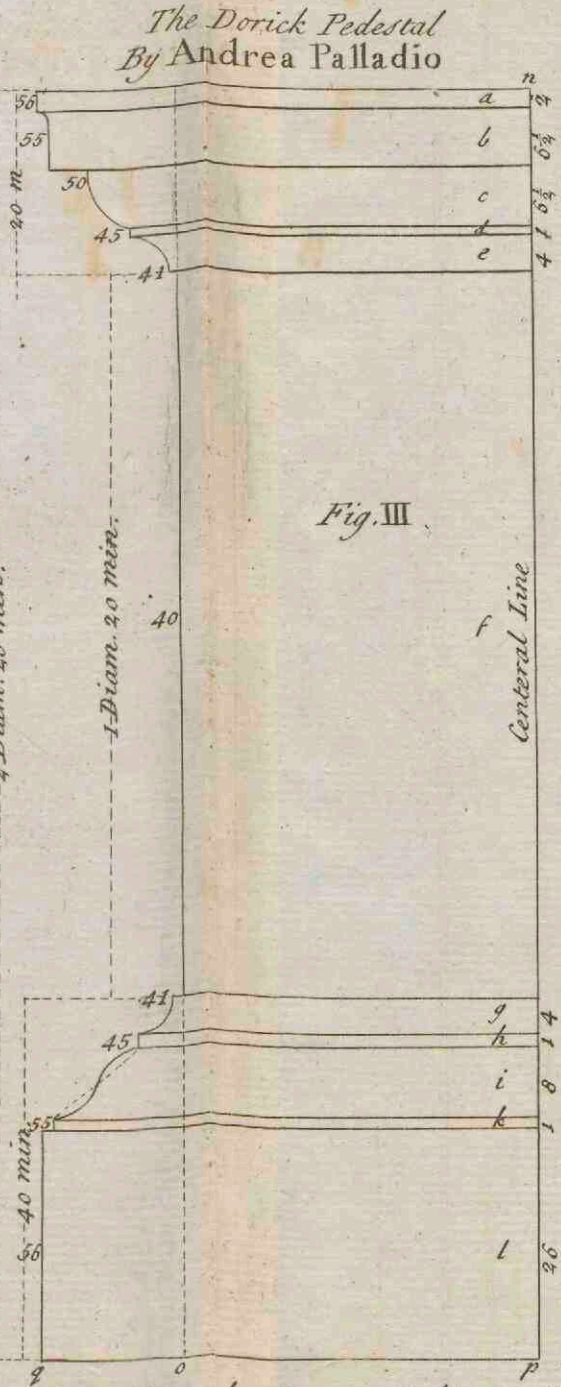
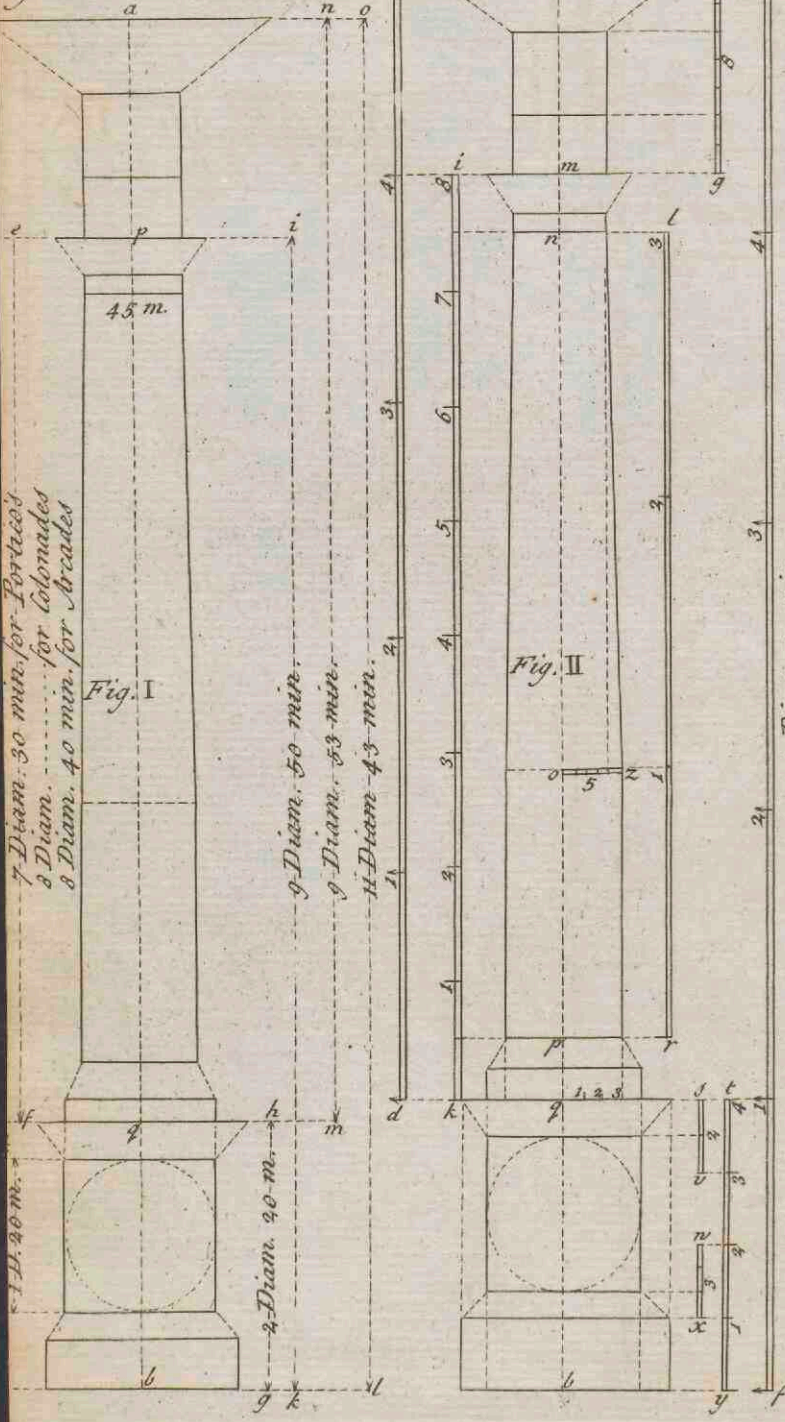
Tuscan Colonade



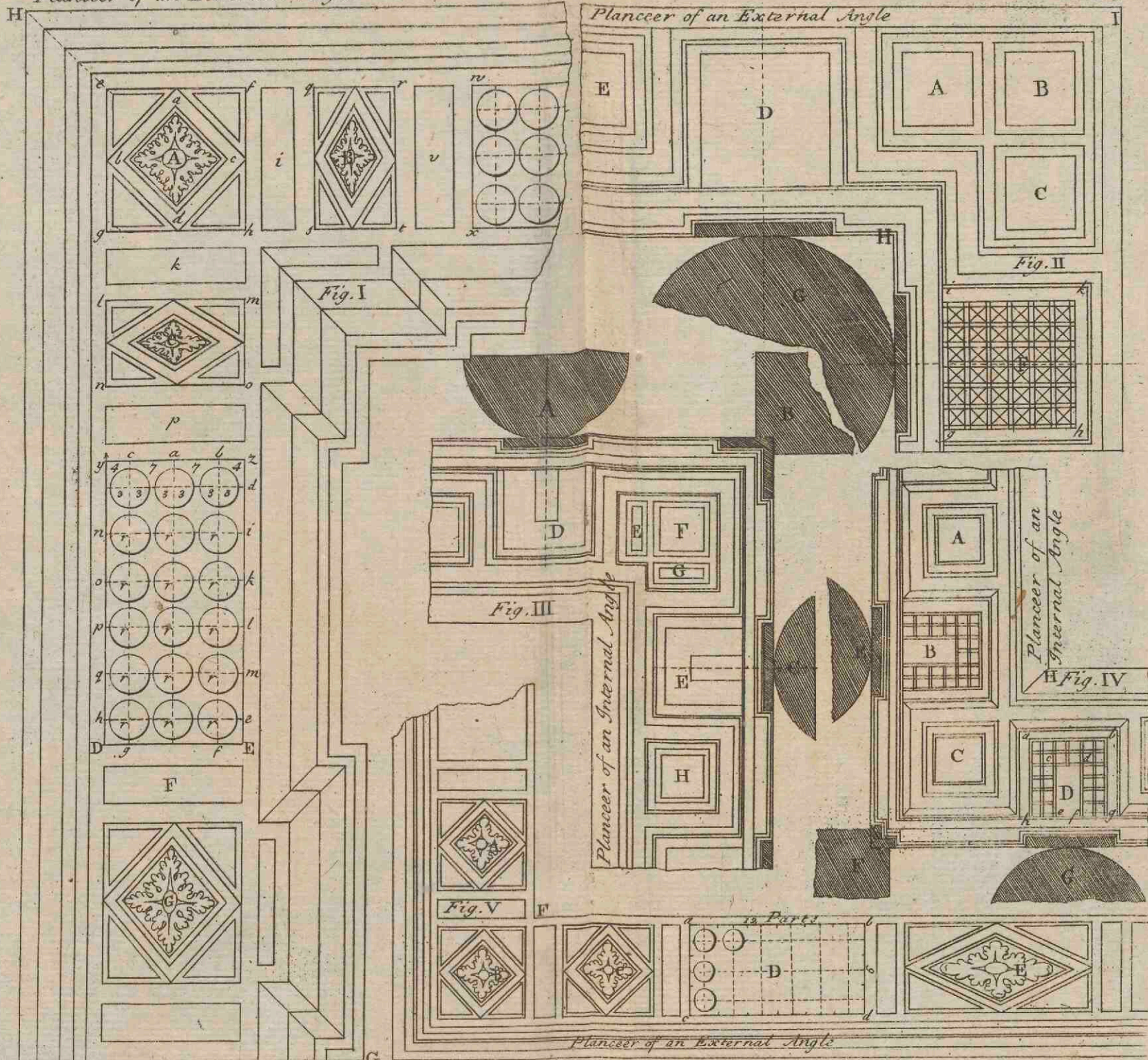
The Principal Parts of the Dorick Order.

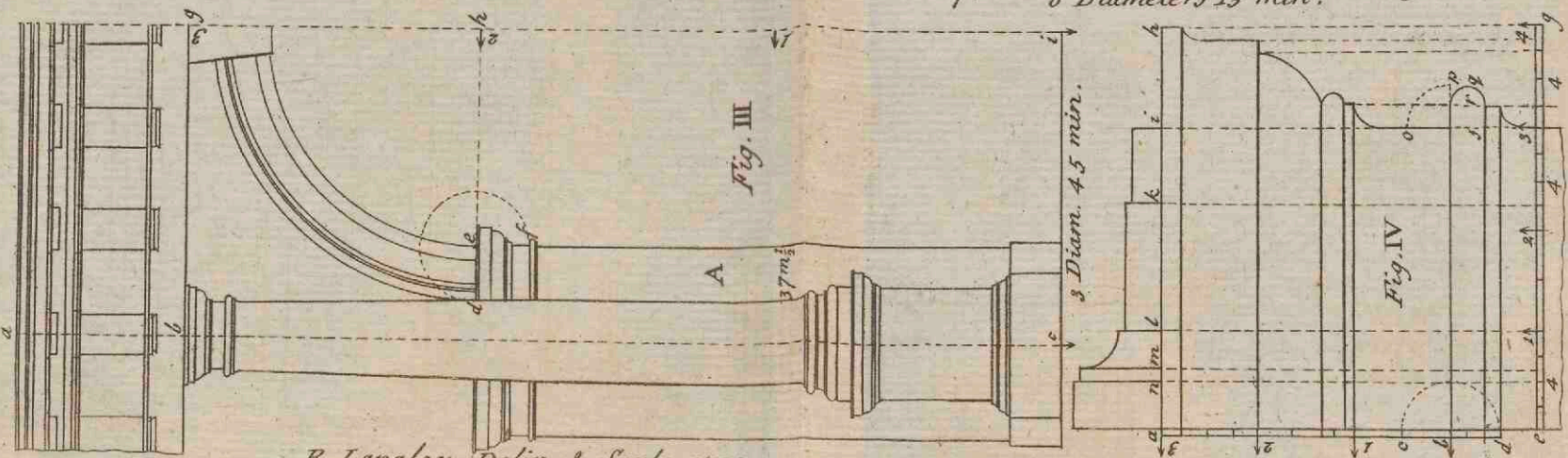
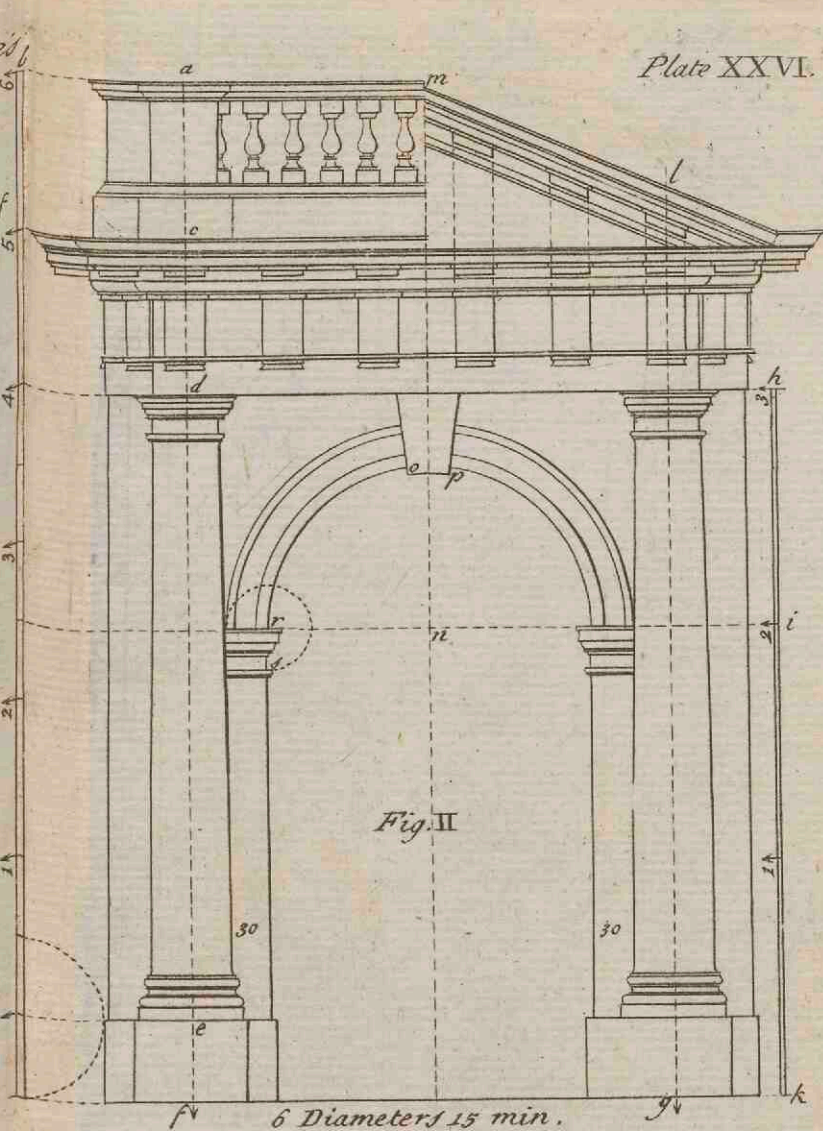
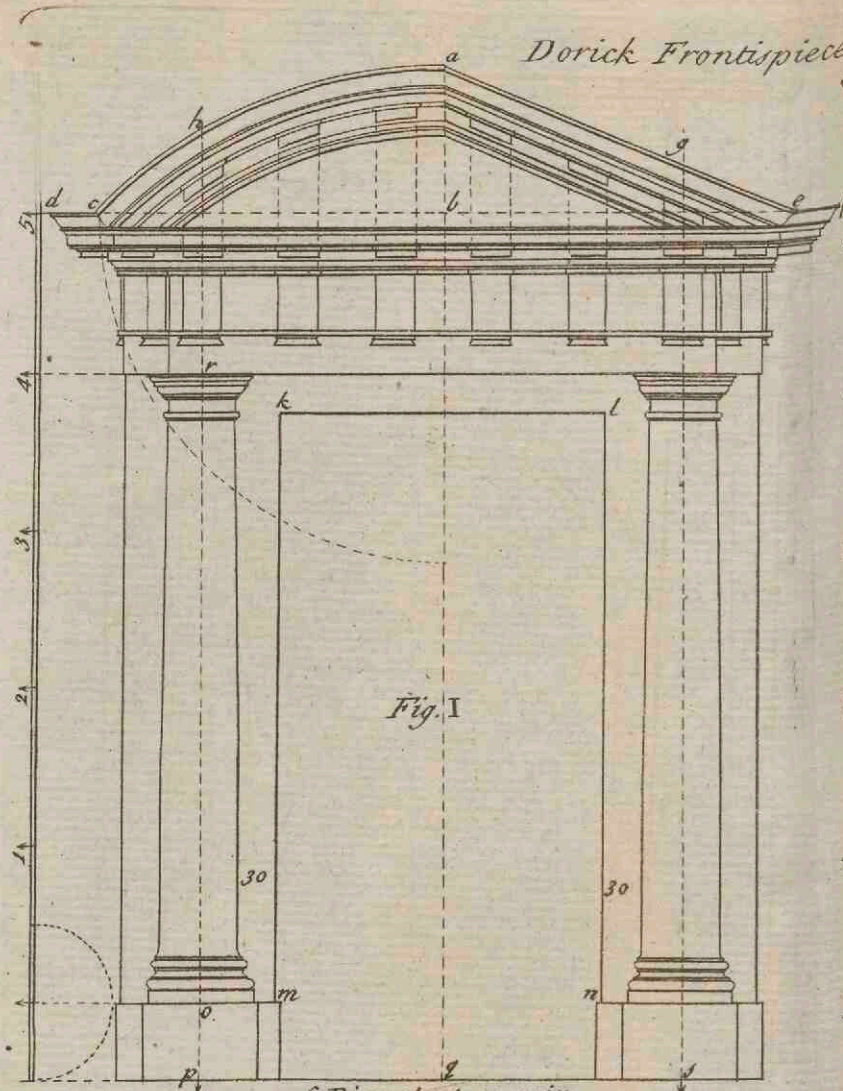
The Dorick Pedestal
By Batty Langley

By Andrea Palladio



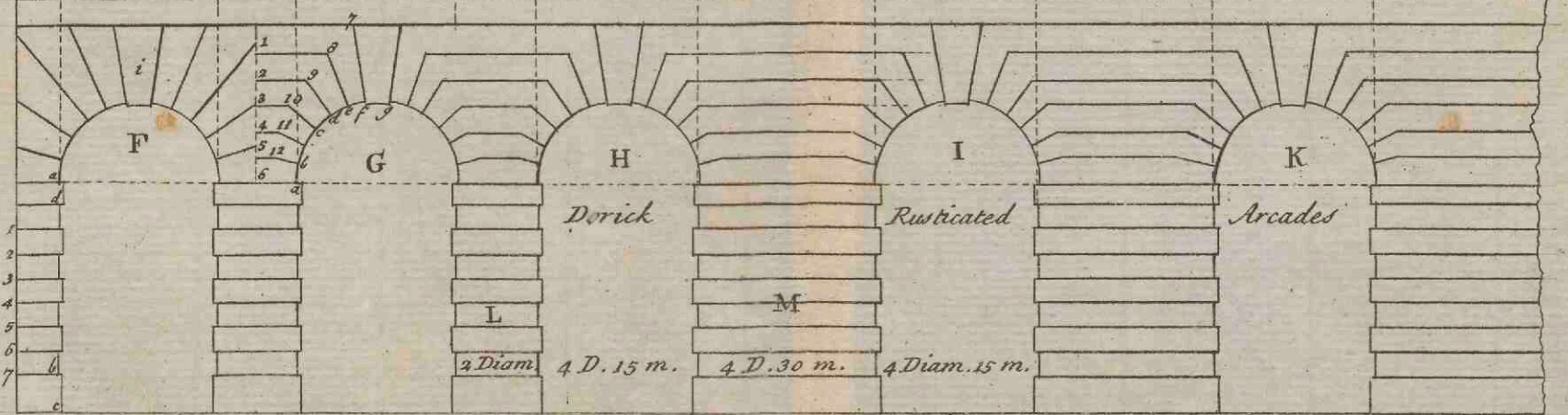
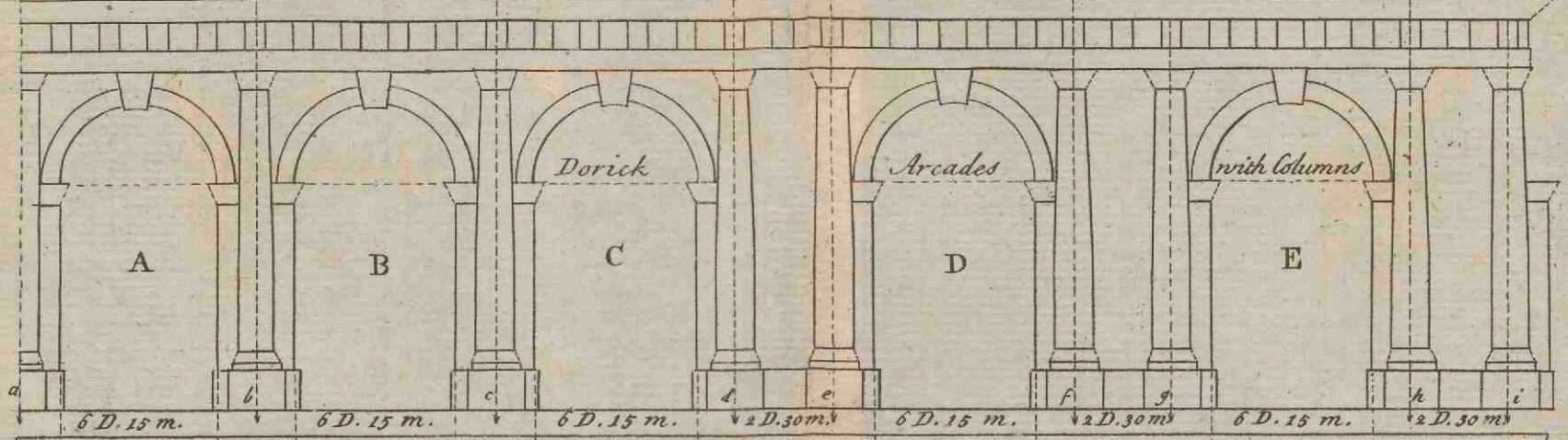
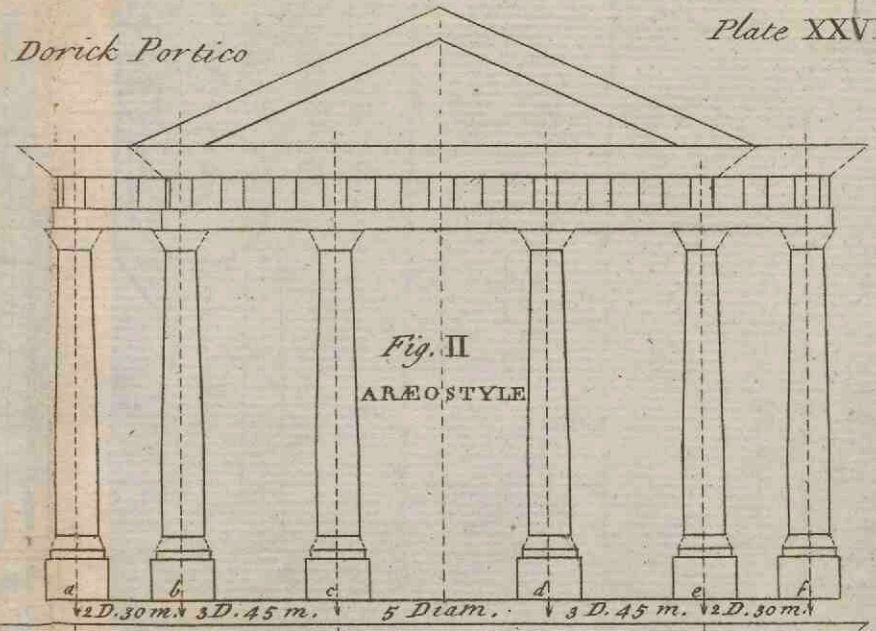
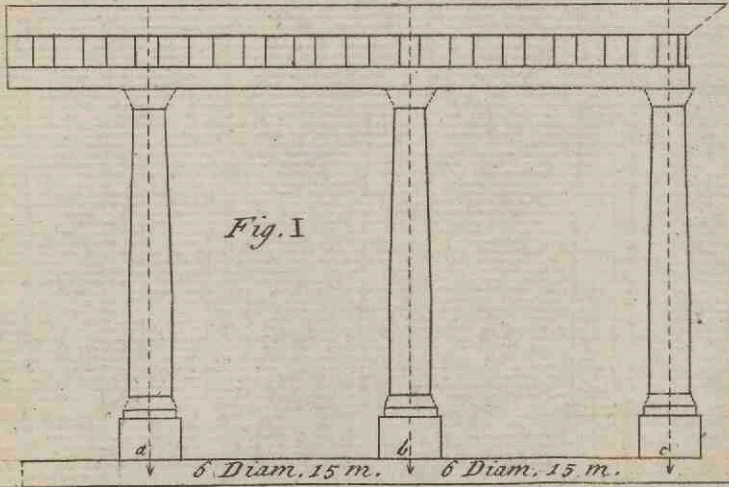
Batty Langley Invent. Delin. & Sculp. 1738.





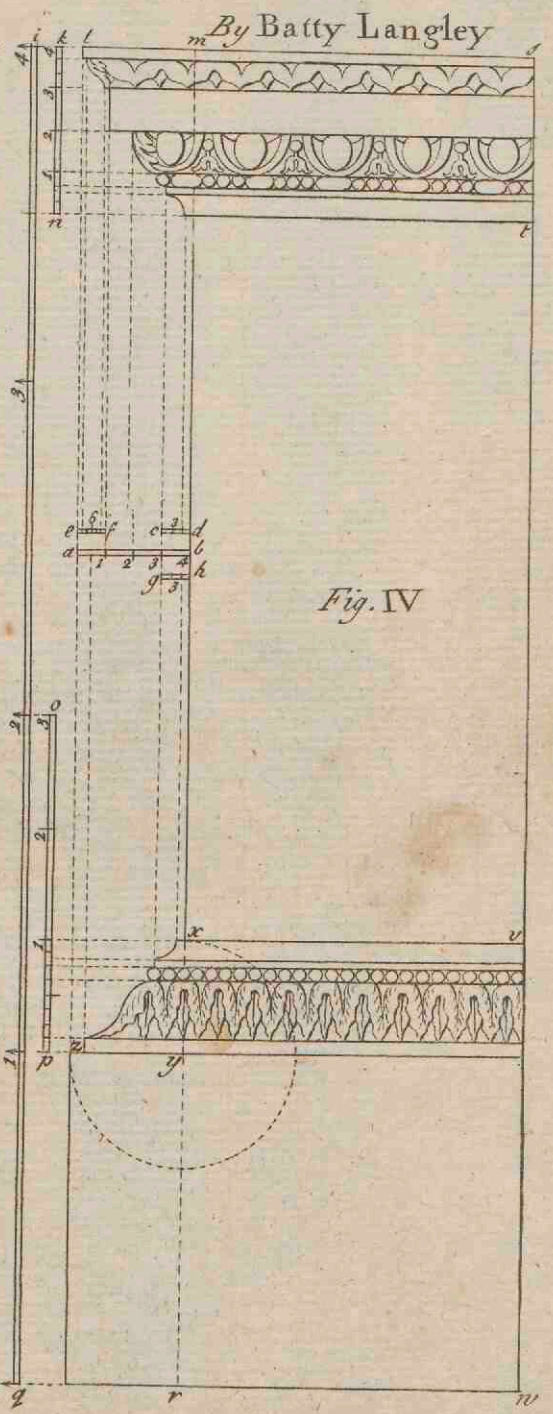
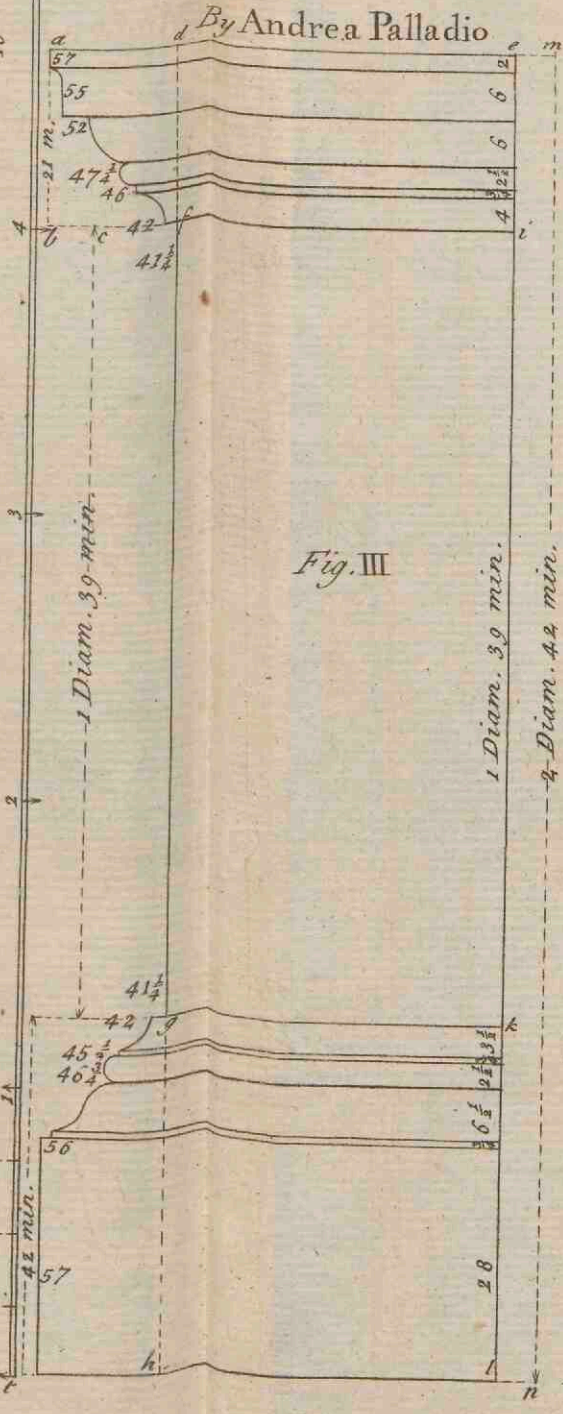
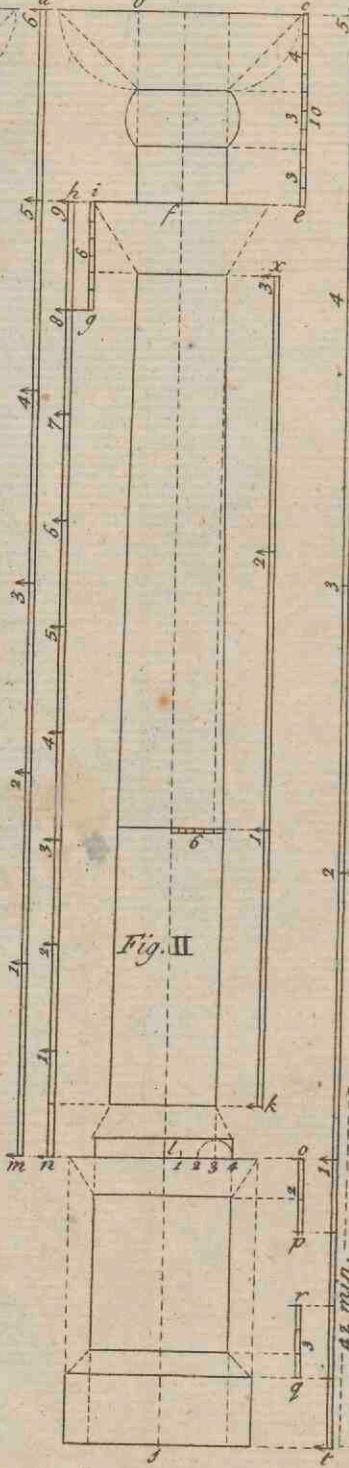
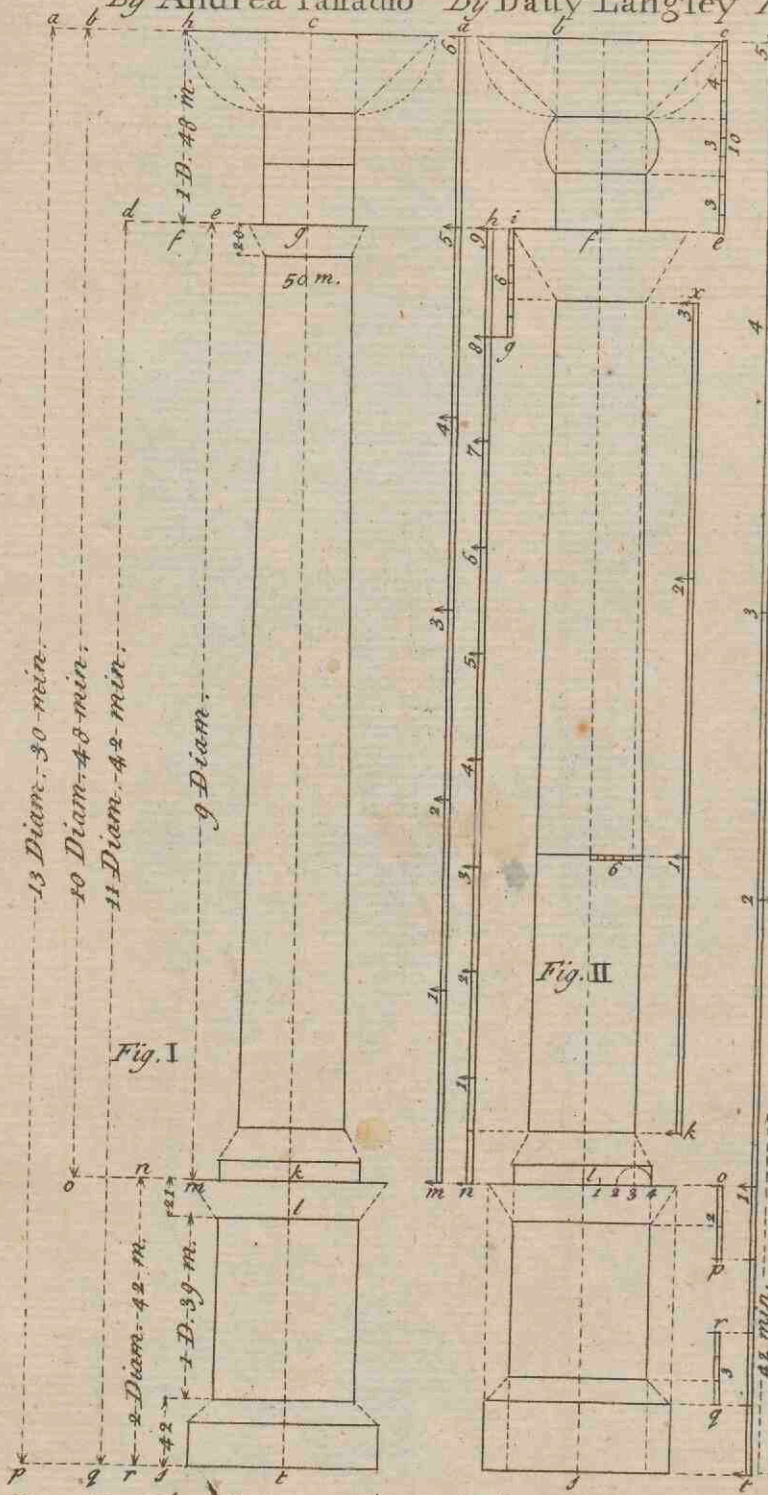
Dorick Portico

Dorick Colonade

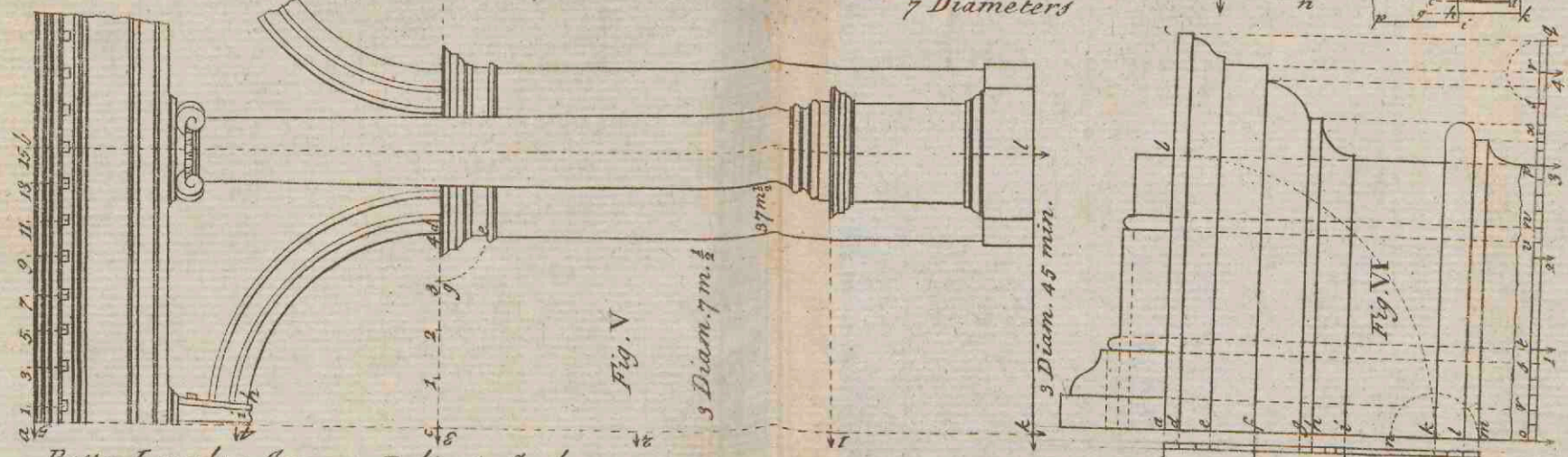
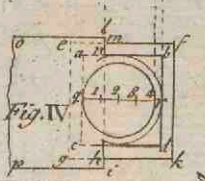
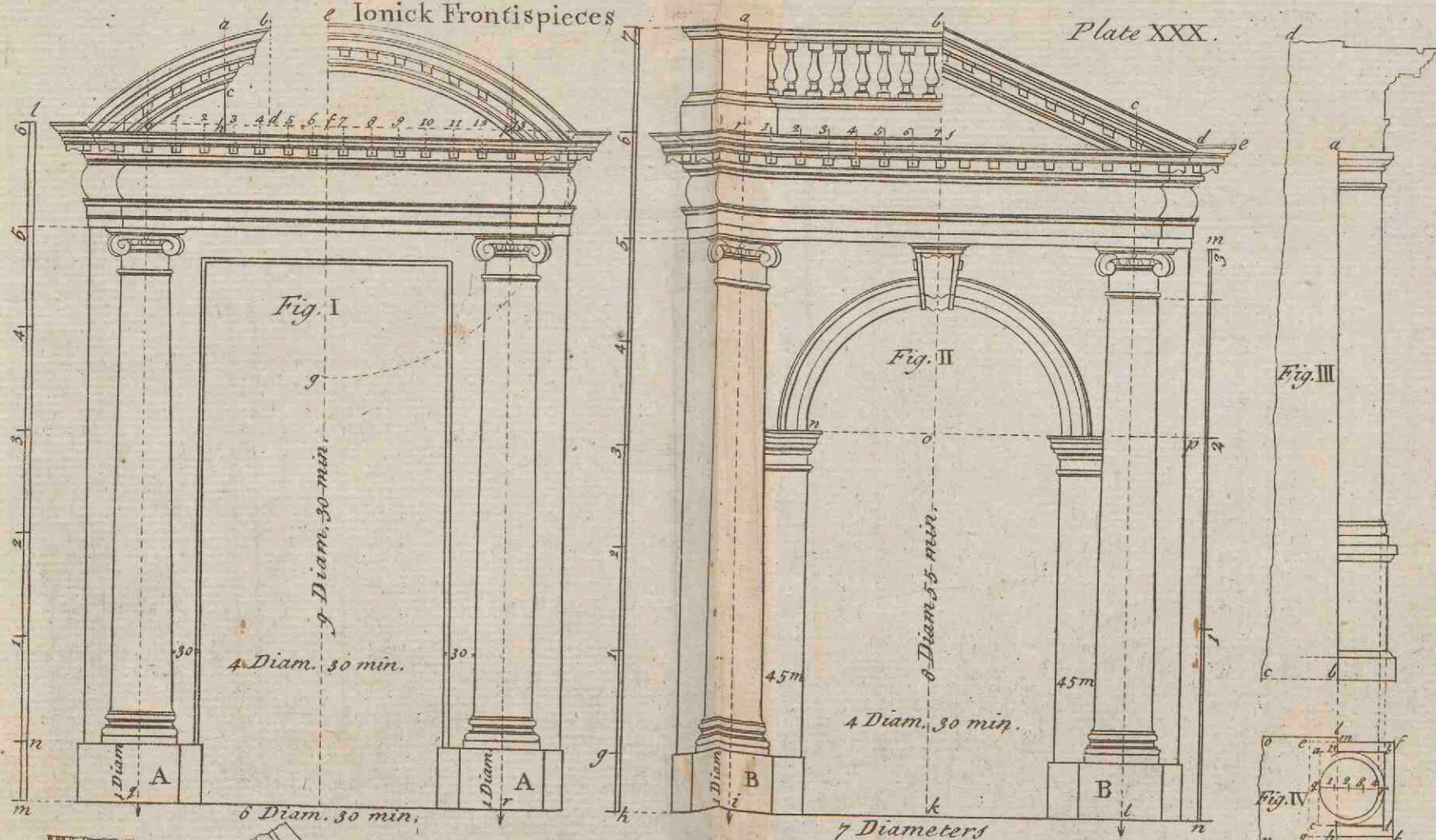


By Andrea Palladio By Batty Langley The Principal Parts of the Ionick Order.

The Ionick Pedestal

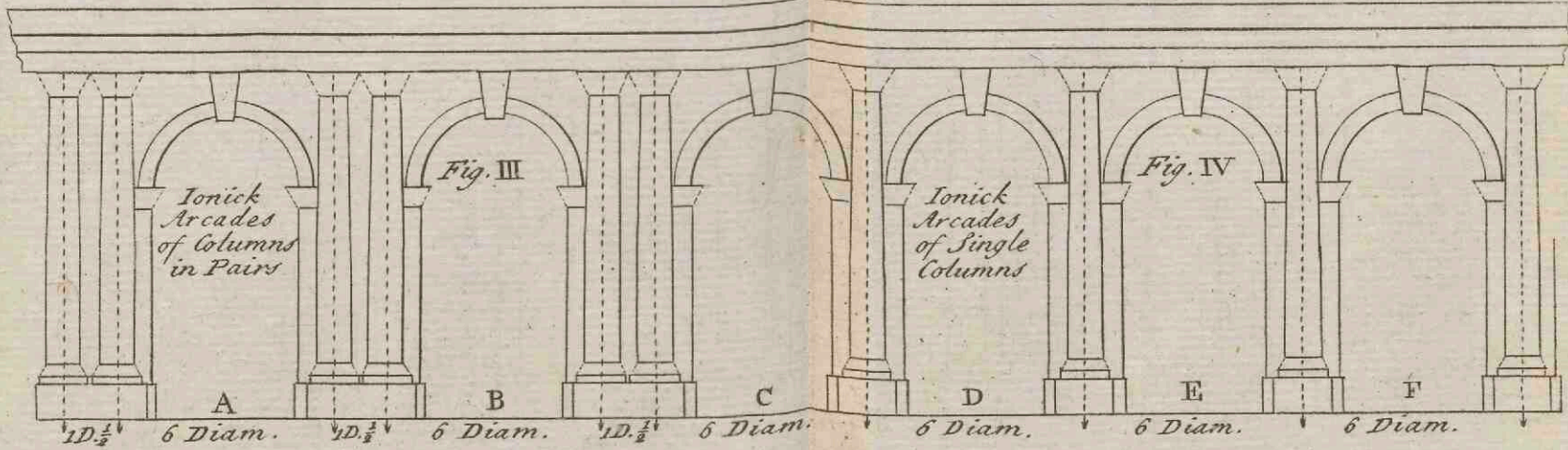
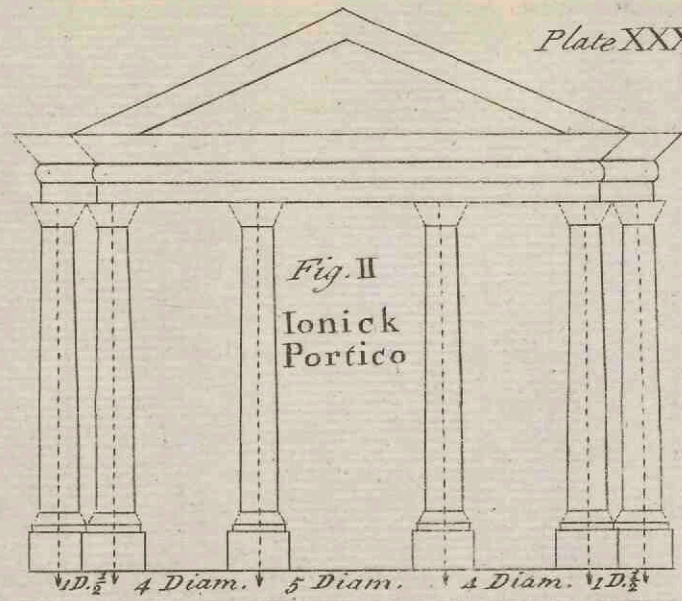
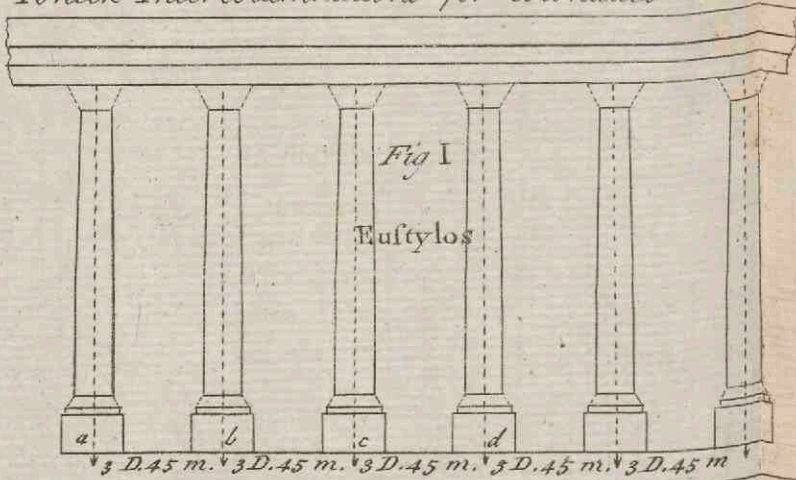


e Ionick Frontispieces



Batty Langley Invent. Delin. & Sculp. 1738.

Ionick Intercolumnations for Colonades



Consoles or Key Stones of Arches

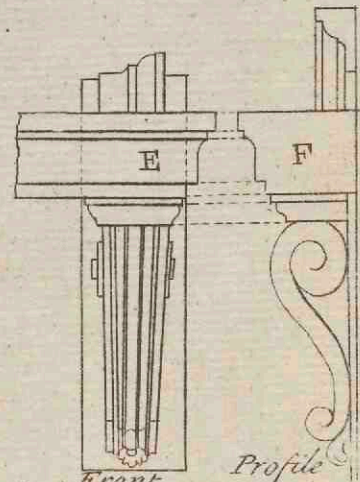
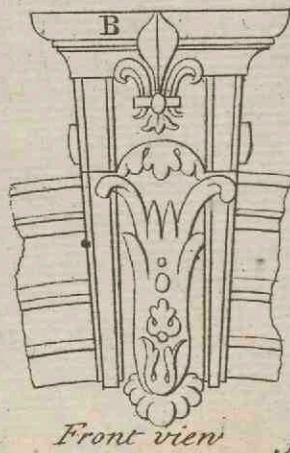
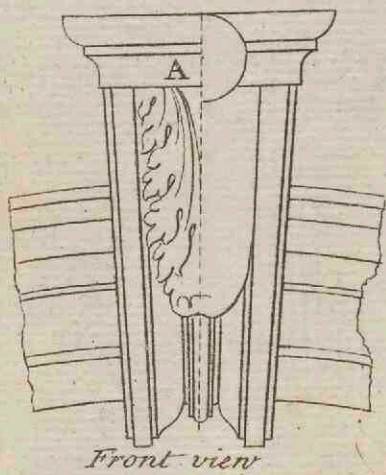


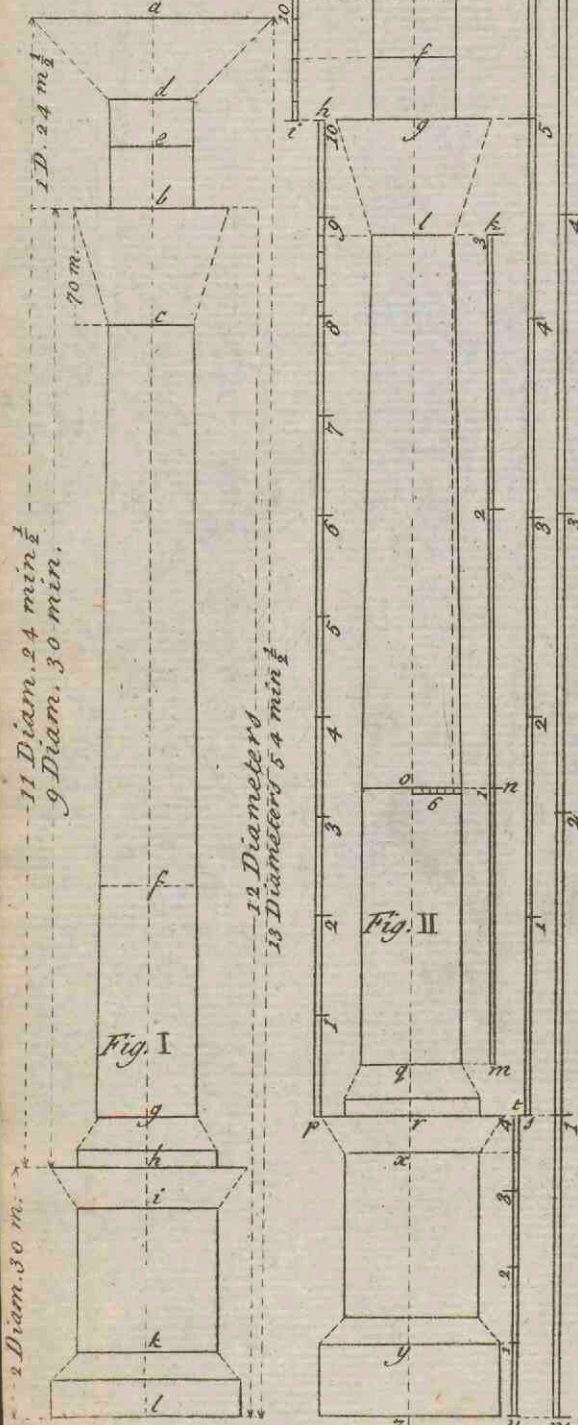
Fig. V

Batty Langley Invent. Delin. & Sculp. 1733.

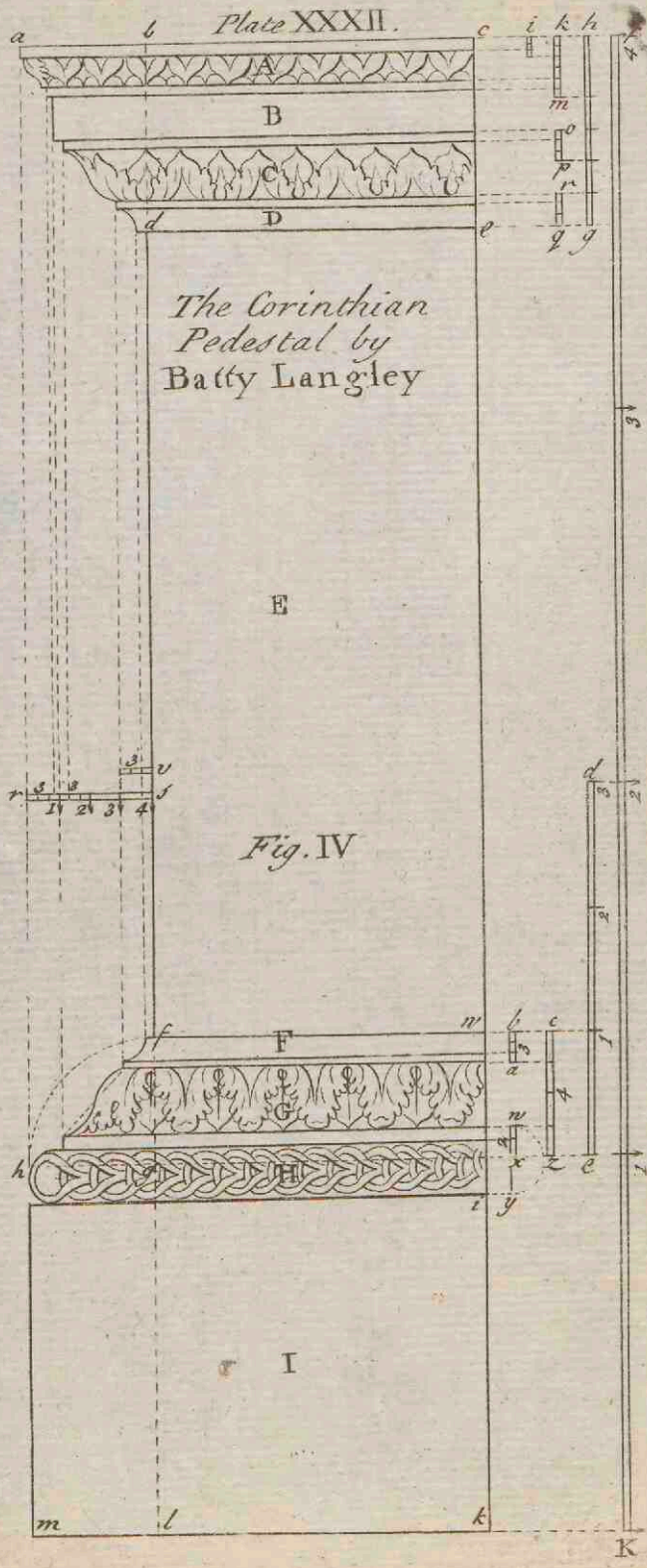
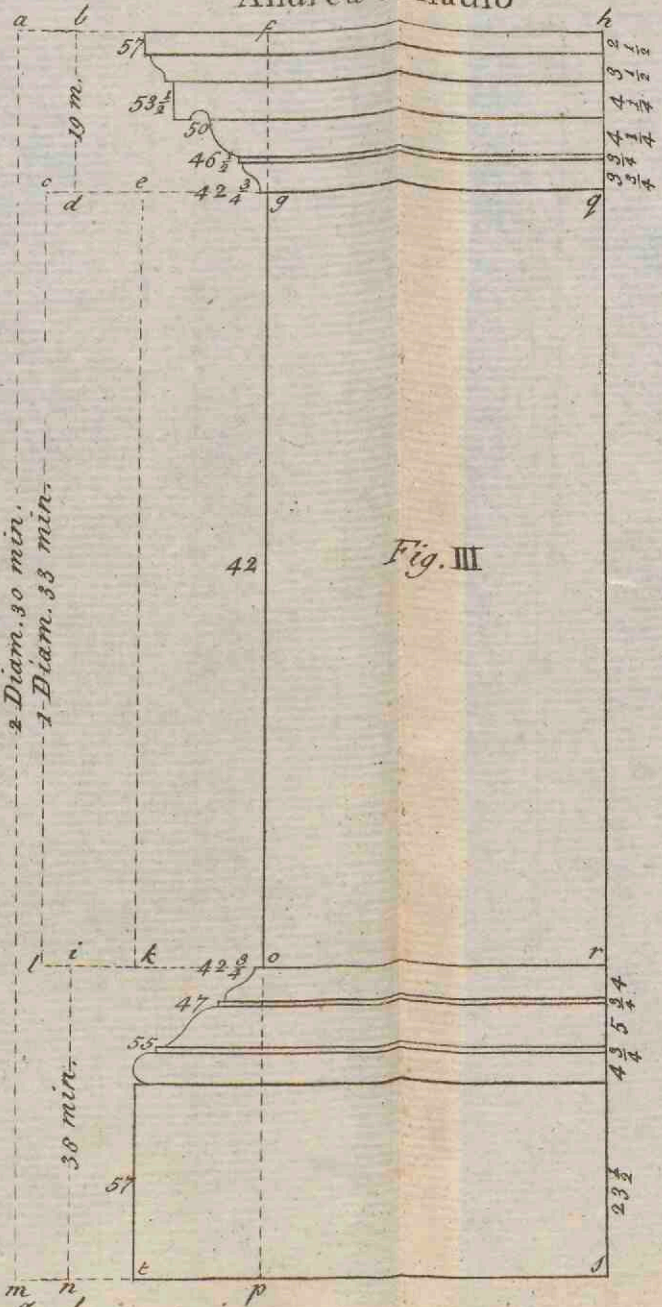
The Principal Parts of the Corinthian Order.

By A Palladio

By B Langley

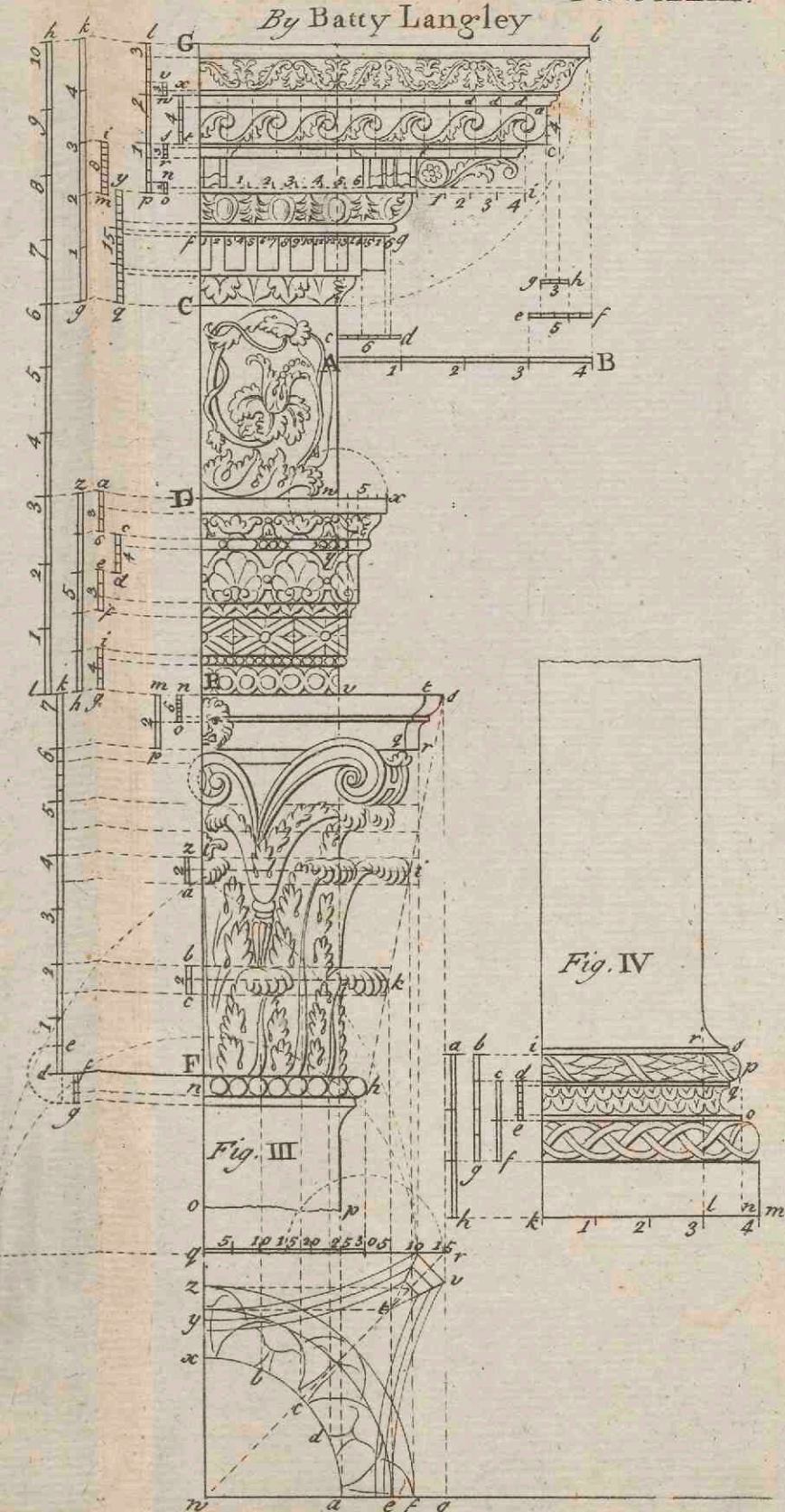
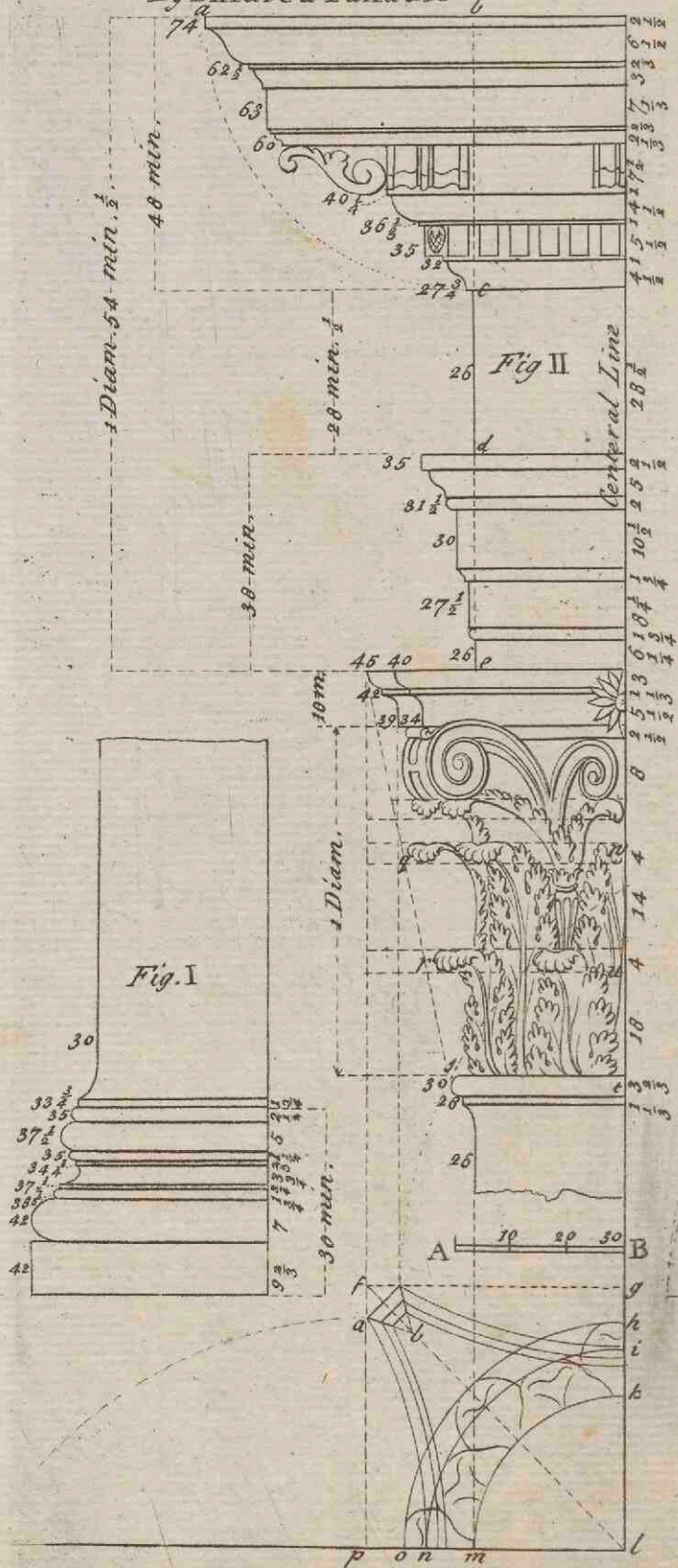


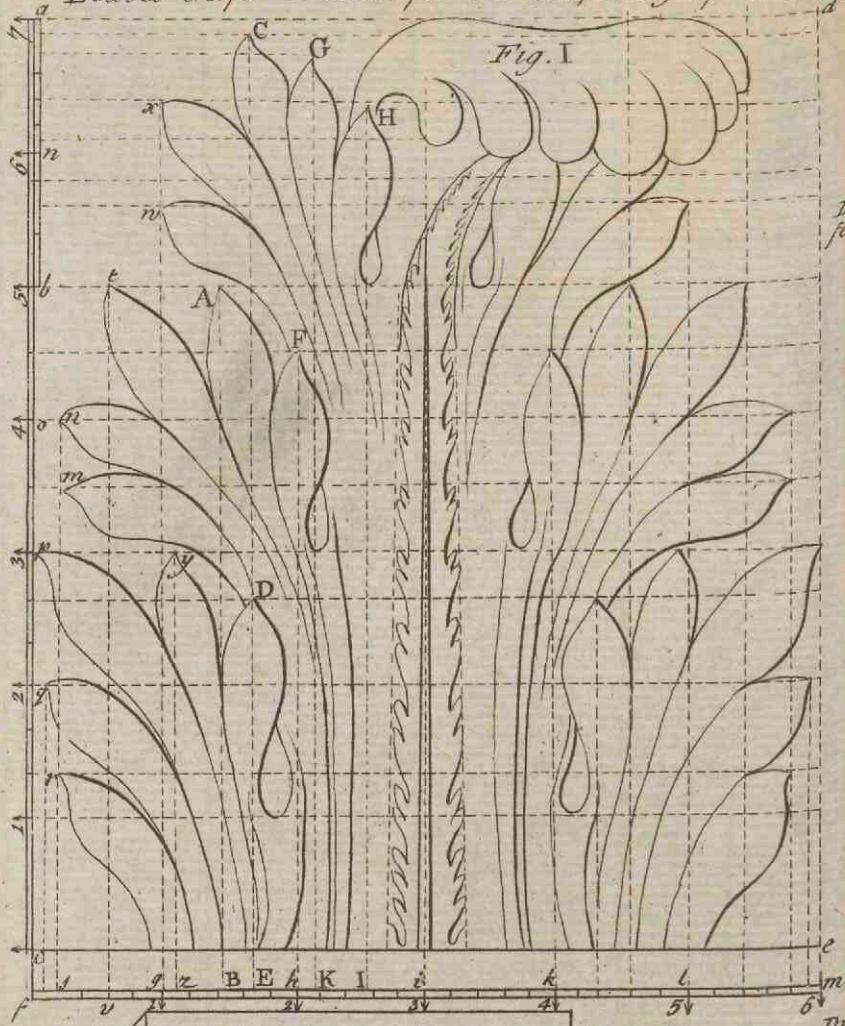
The Corinthian Pedestal by
Andrea Palladio



By Andrea Palladio

By Batty Langley





Direct view of the Rose for Composite Abacus



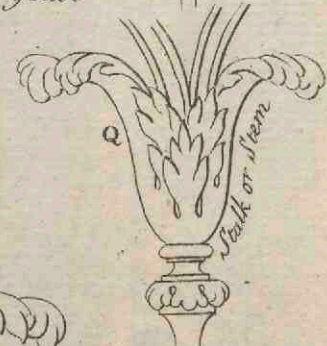
Profile or Side view of Rose



Caulicole of a Composite Capital



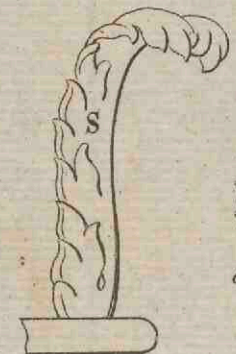
Rose or Fish-tail of Corinthian Capital



Stalk or Stem



Direct view of Acanthus



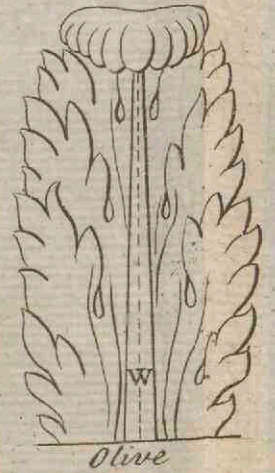
Profile of the Acanthus



Oblique view of the Acanthus



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Olive

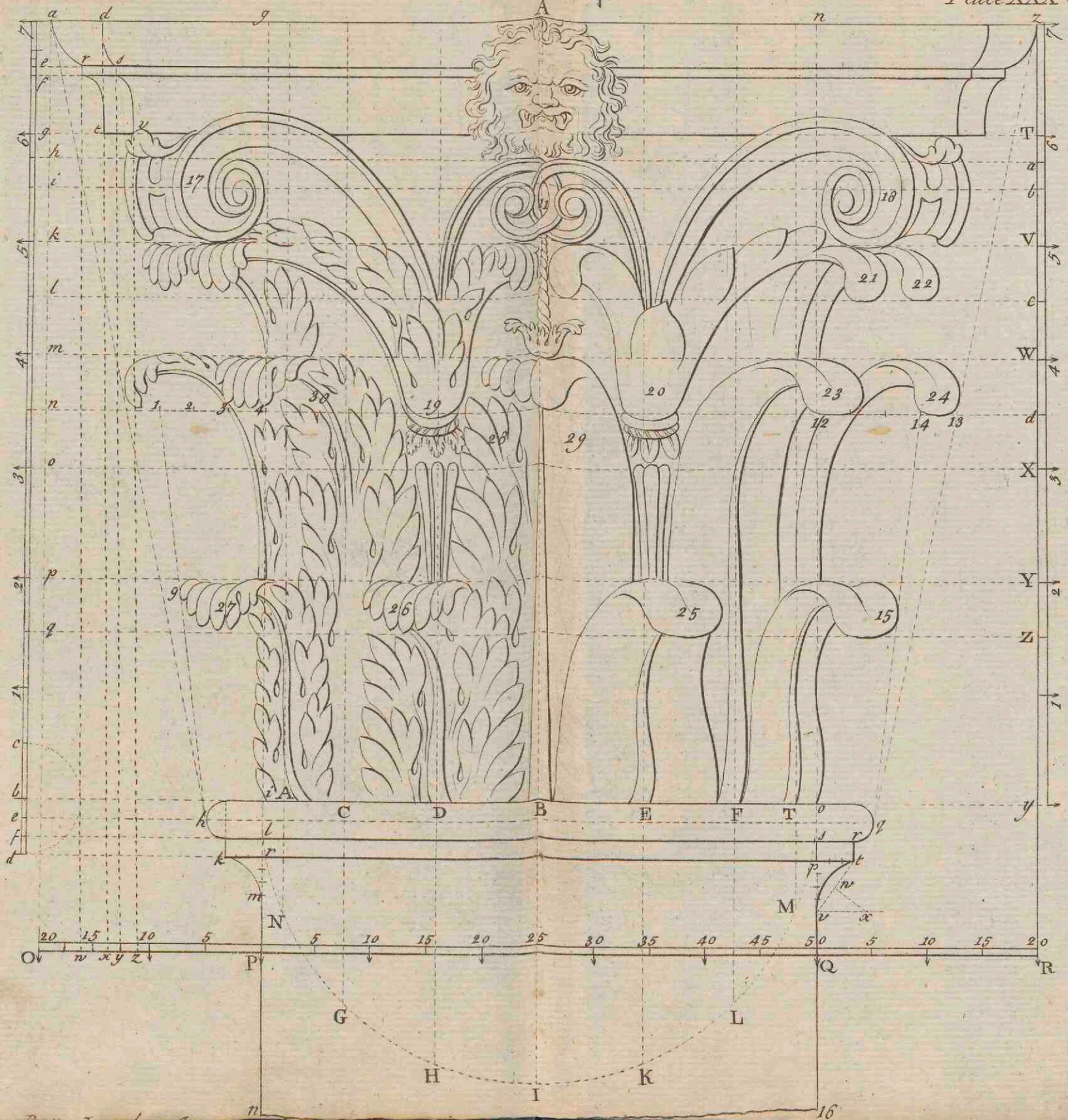


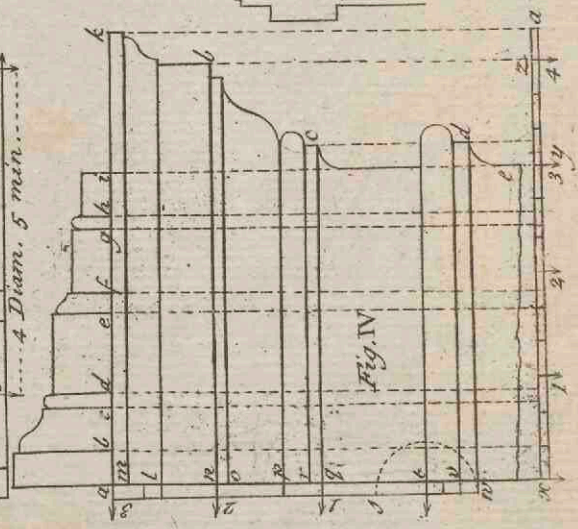
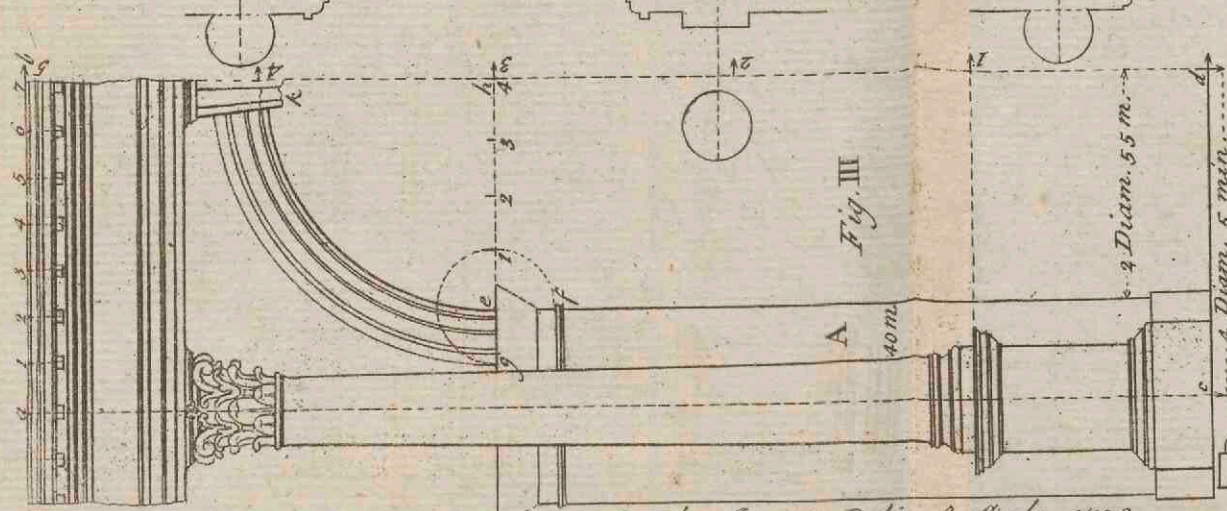
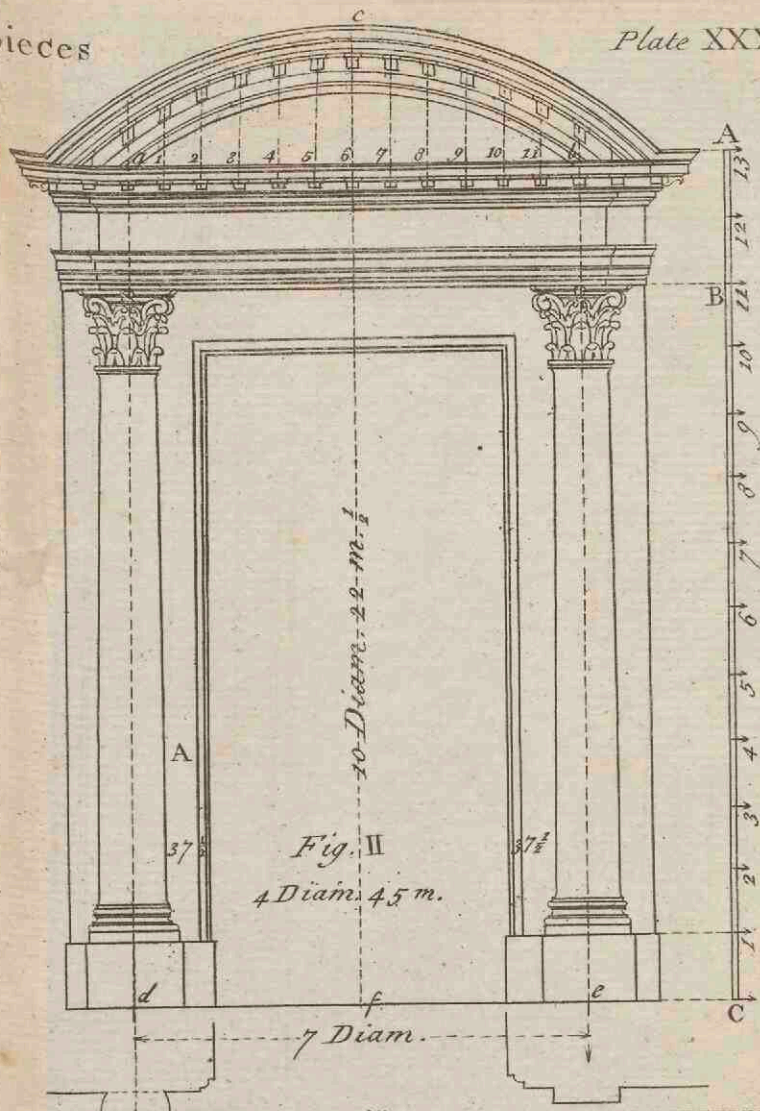
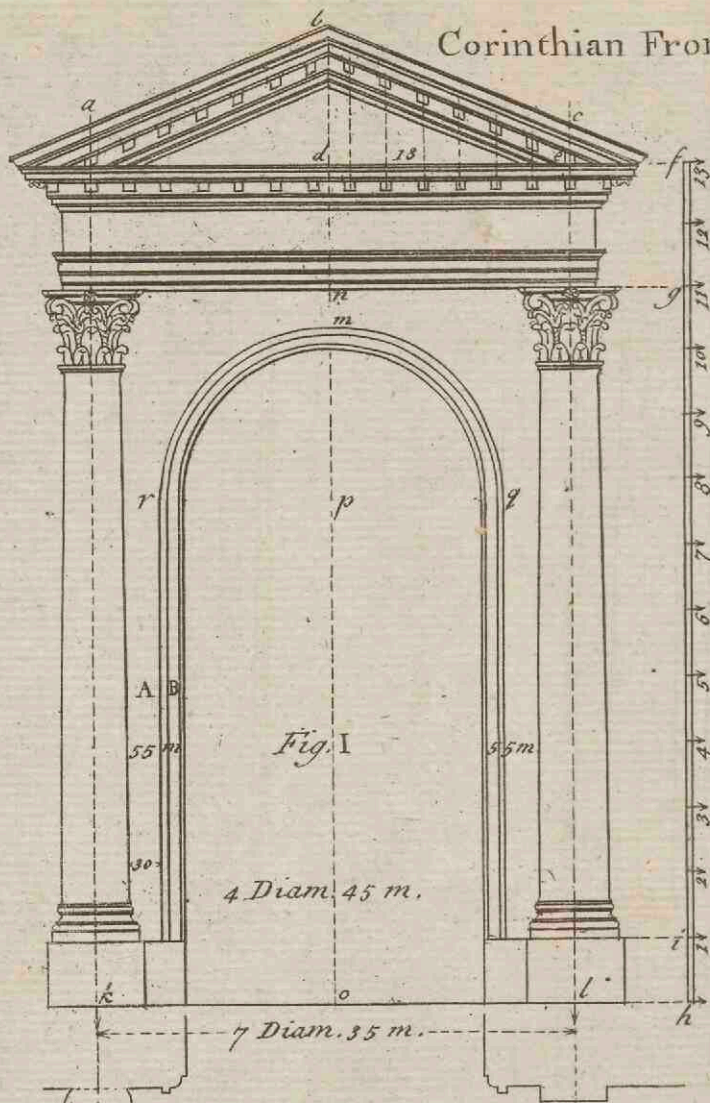
Laurel

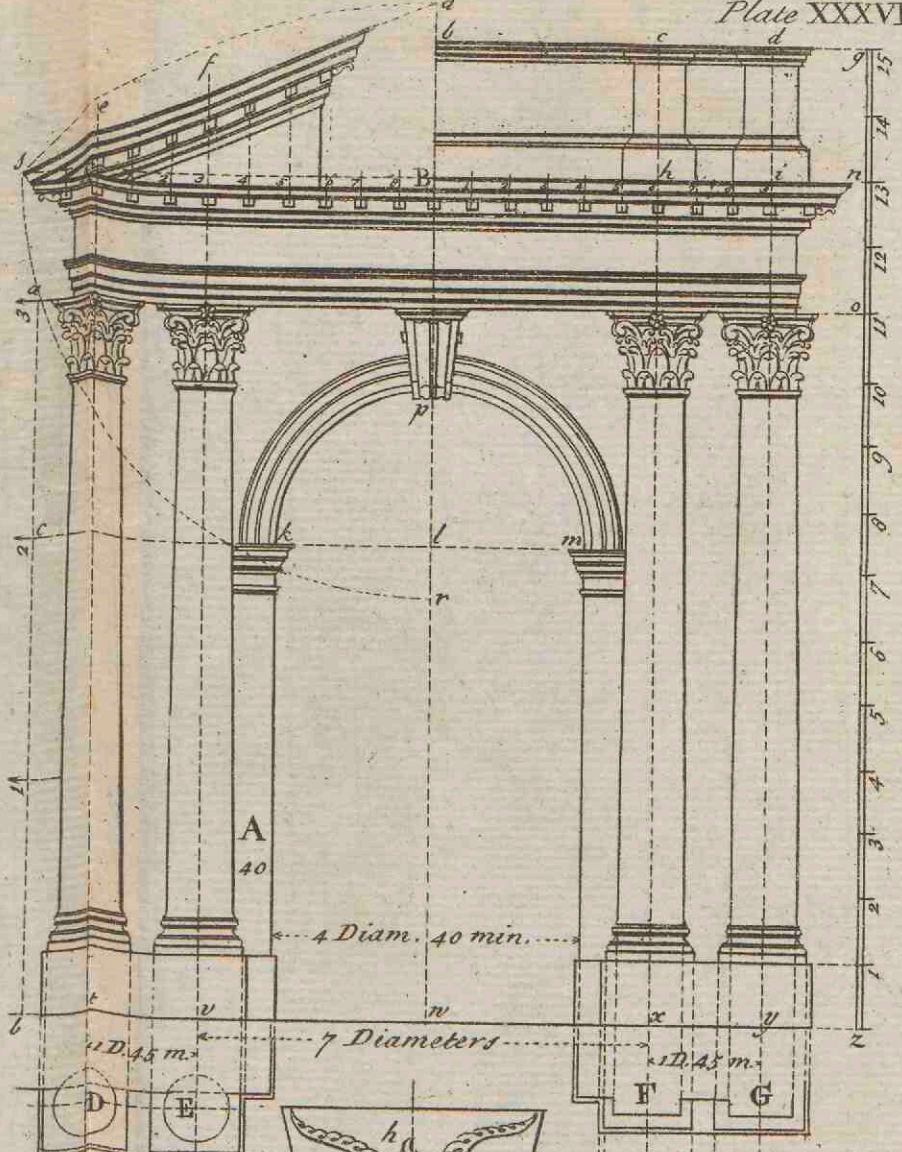
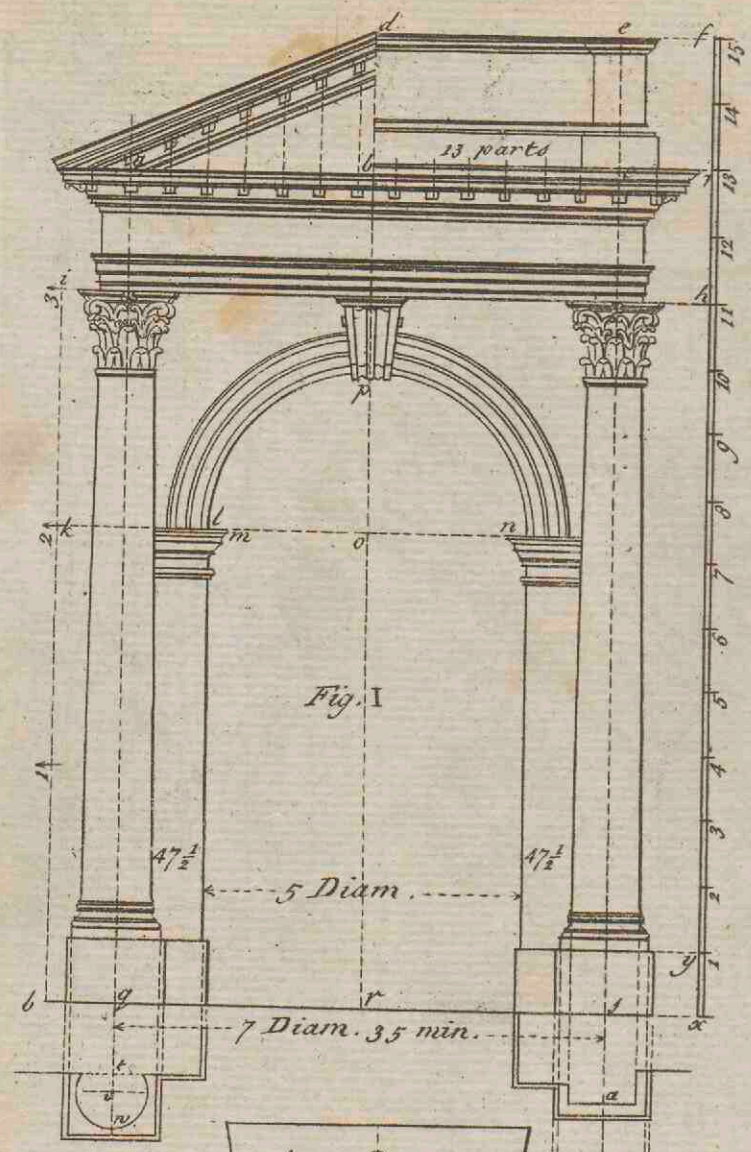


Parsley

Corinthian Capital







Batty Langley Invent. Dolin. & Sculp. 1738

Corinthian Colonnade

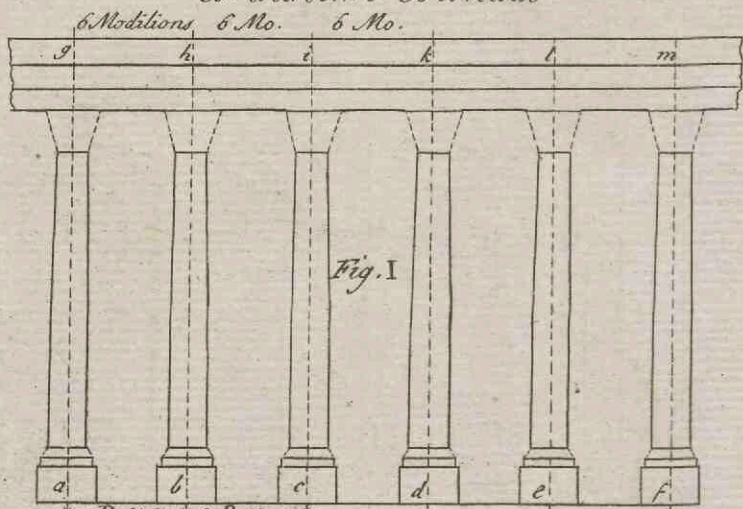
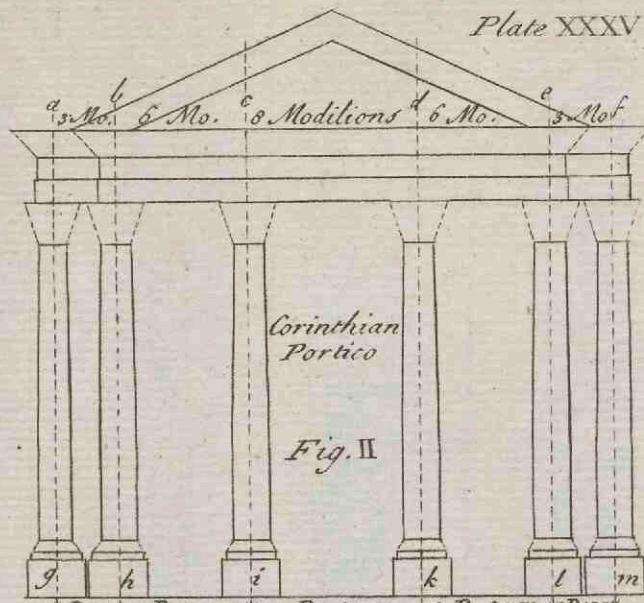


Fig. I



Corinthian Portico

Fig. II

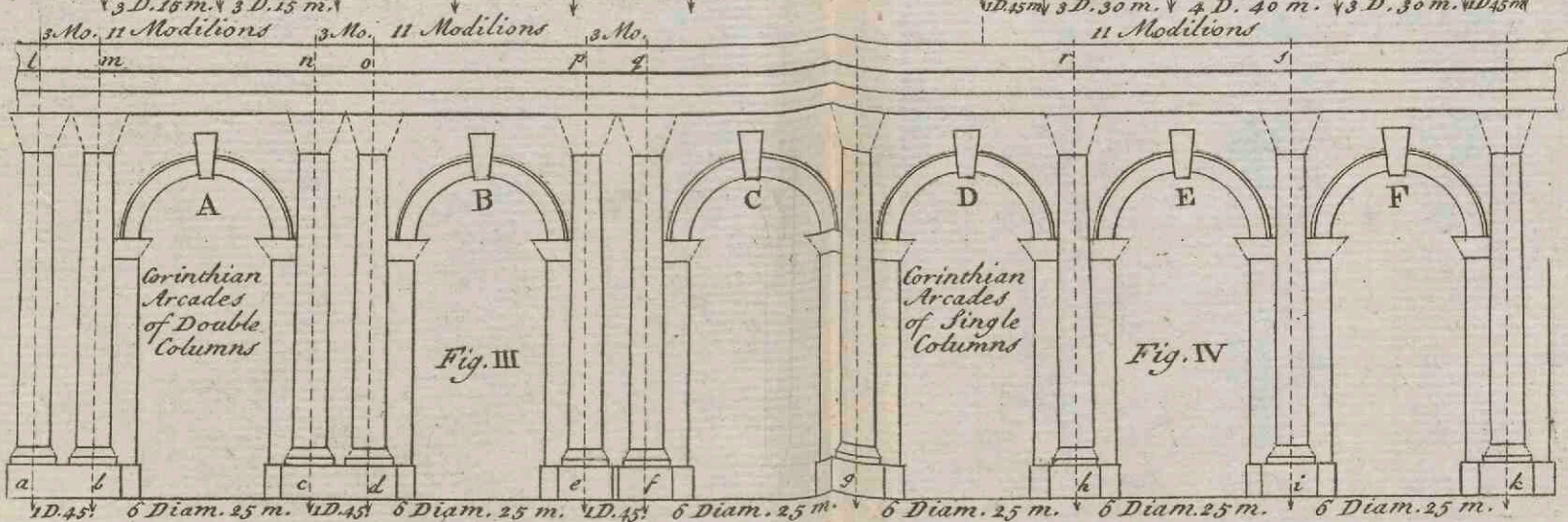
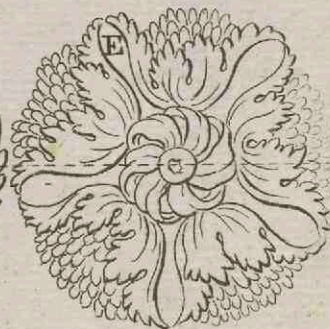
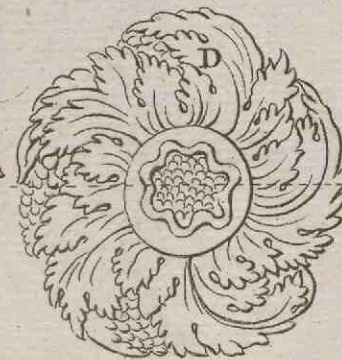
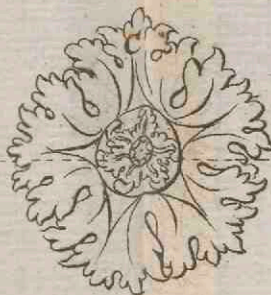


Fig. III

Fig. IV

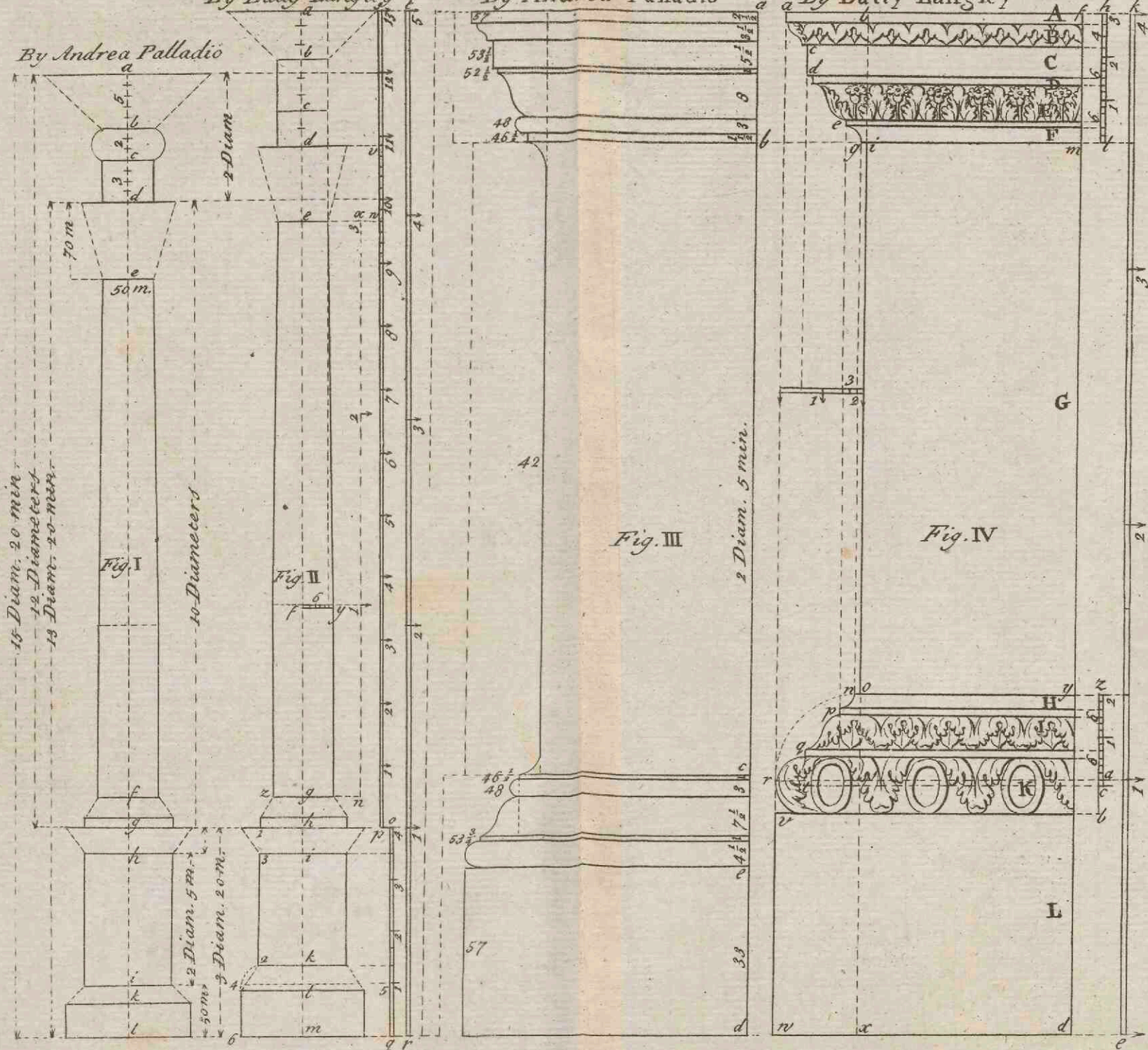


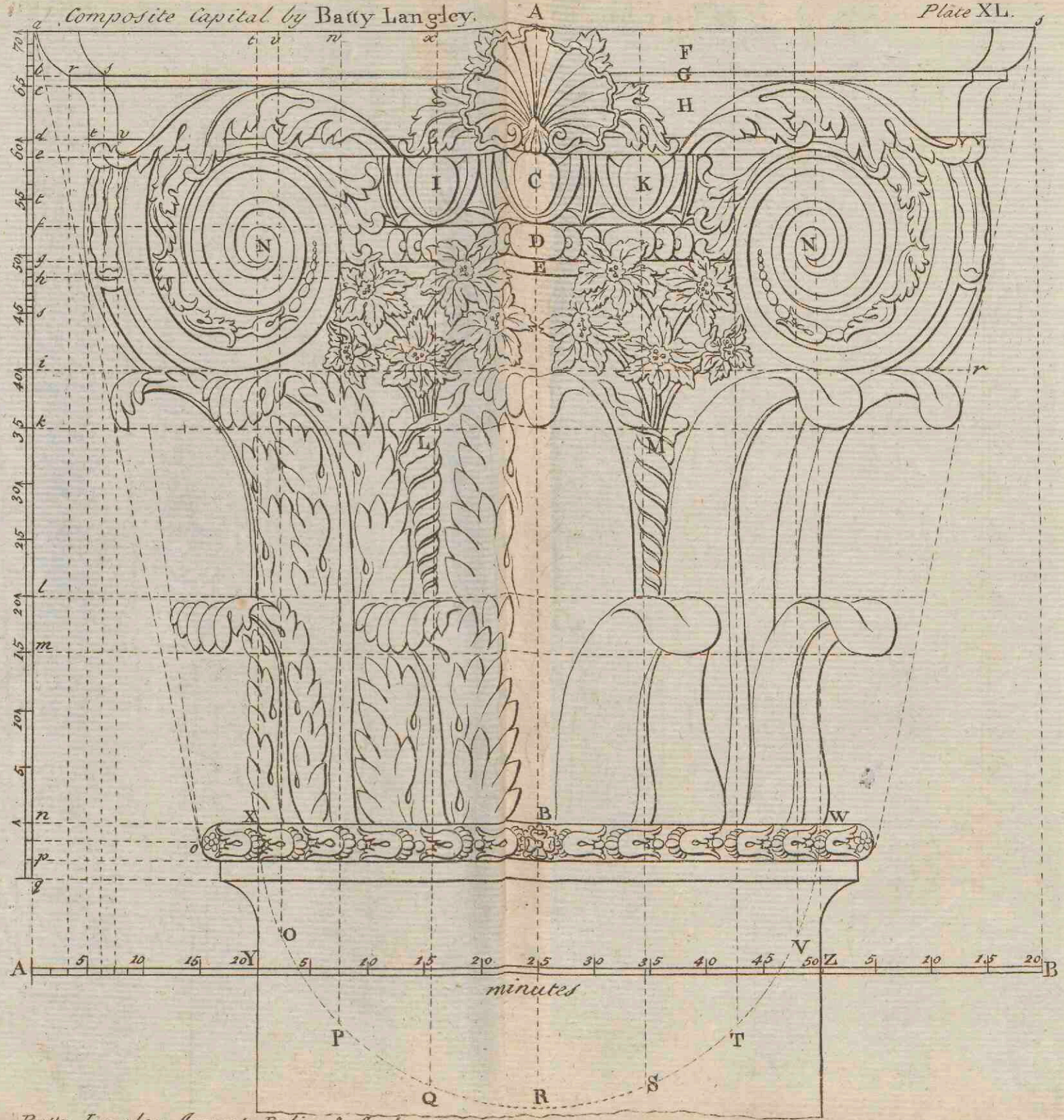
Roses for the Enrichment of Coeffers in the Planceers of Cornices & c.
Batty Langley Invent. Delin. & Sculp. 1738.

The Principal Parts of the Composite Order.
By Batty Langley

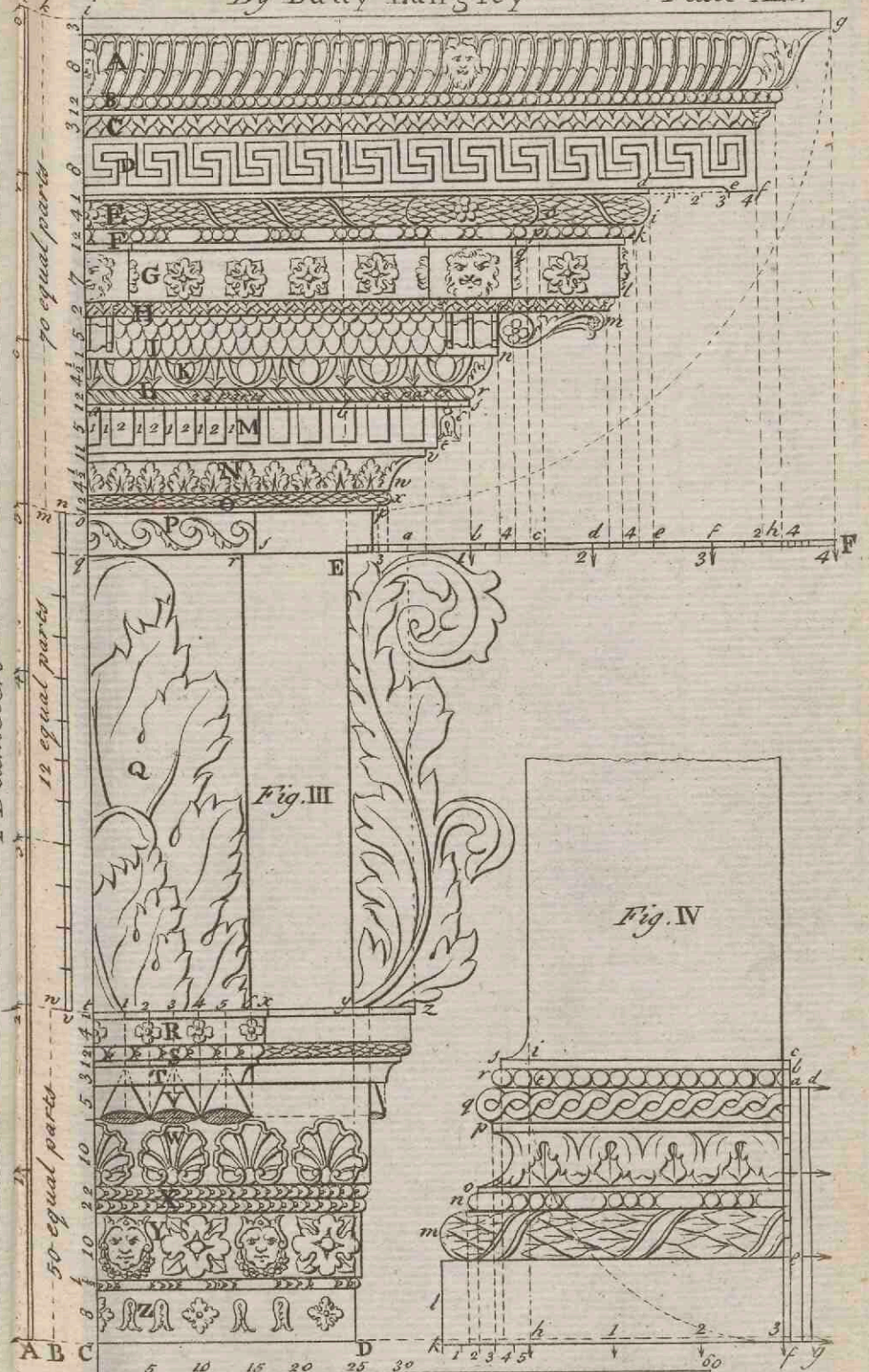
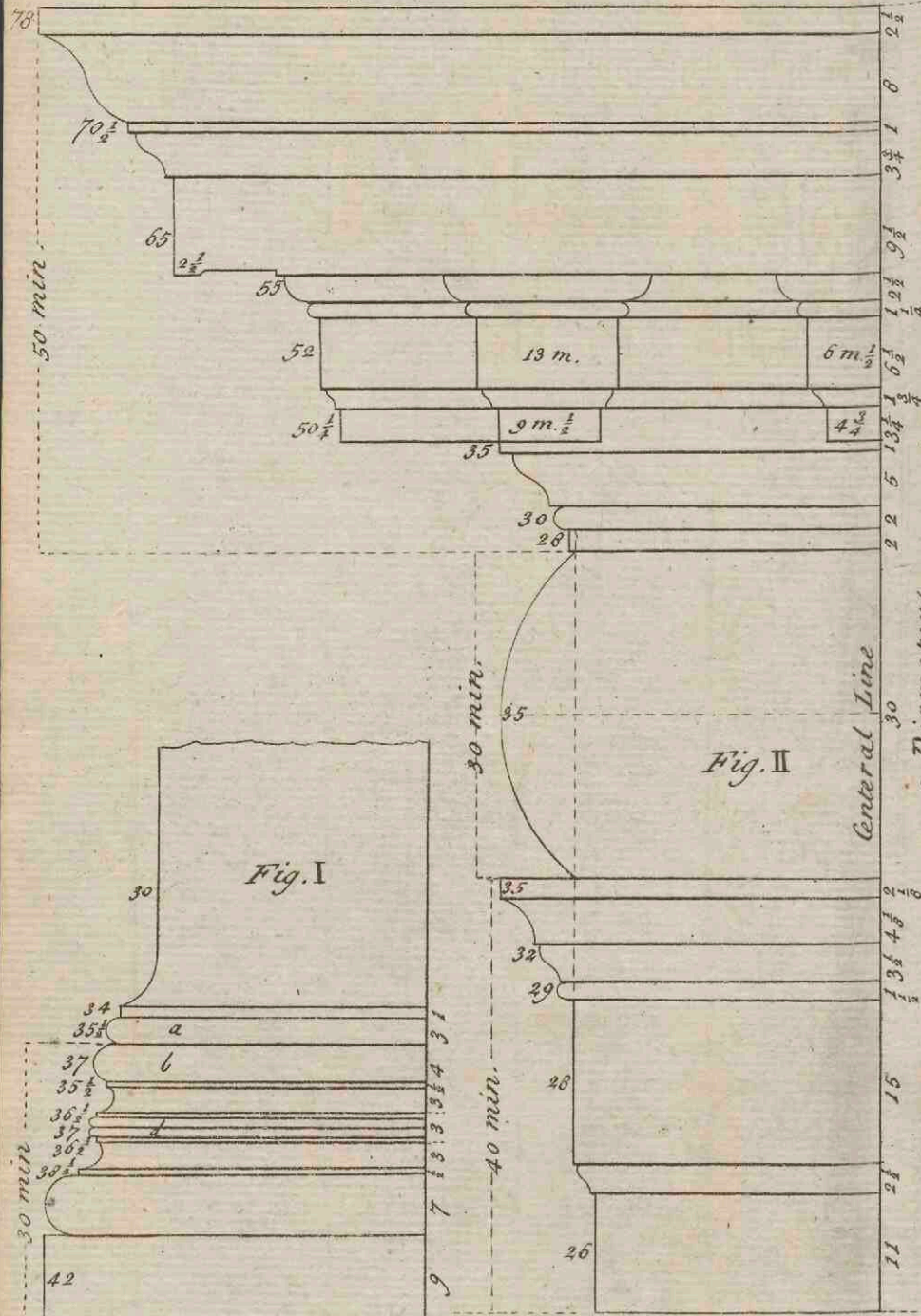
Composite Pedestals
By Andrea Palladio

Plate XXXIX.

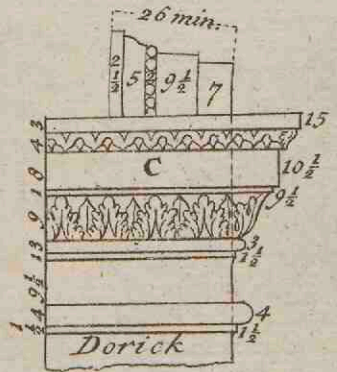
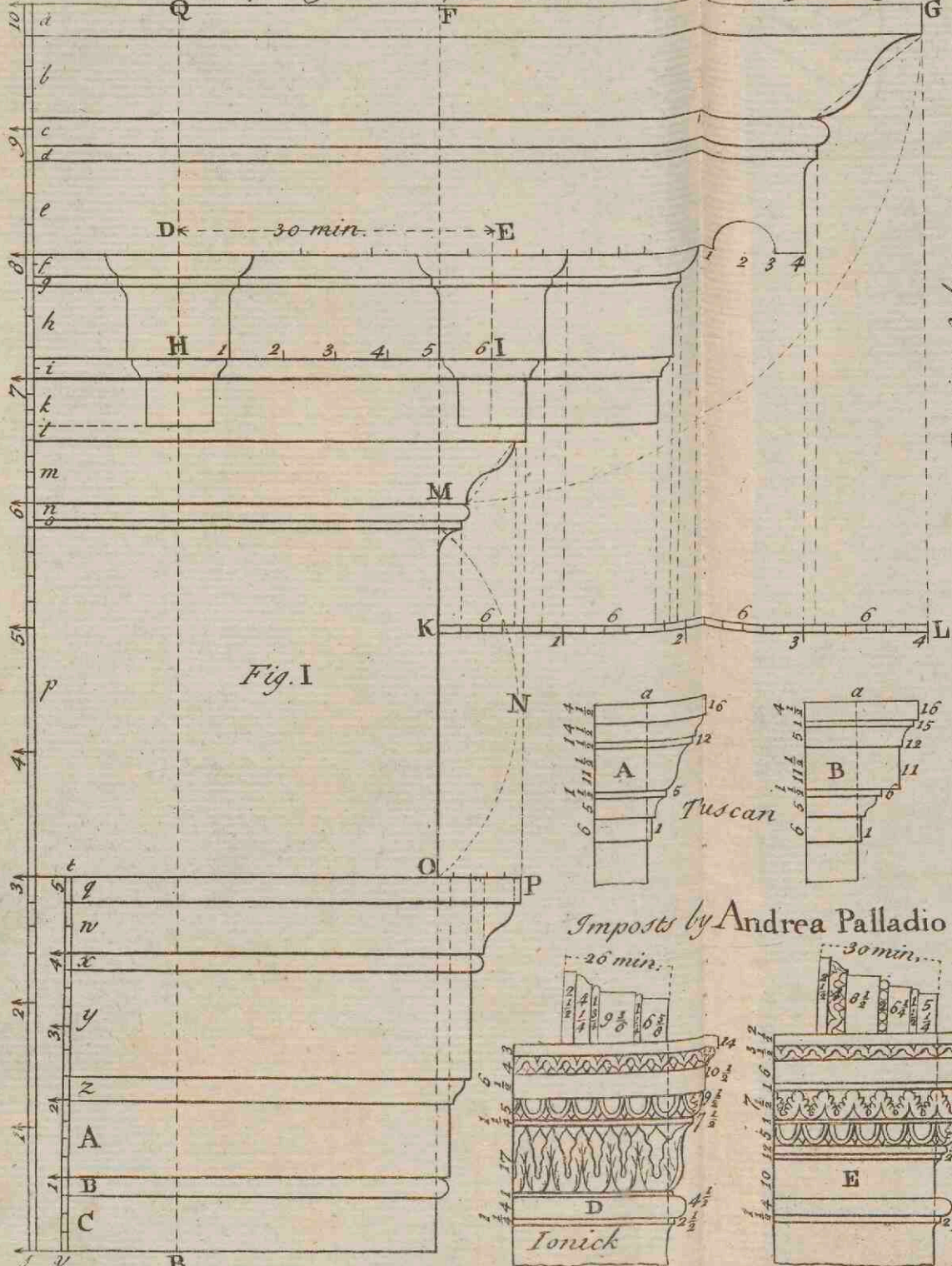




By Andrea Palladio



A Second Example of the Composite Entablature by Batty Langley



Imposts by Andrea Palladio

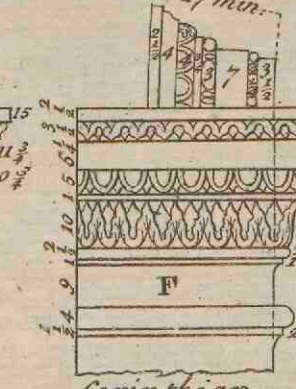
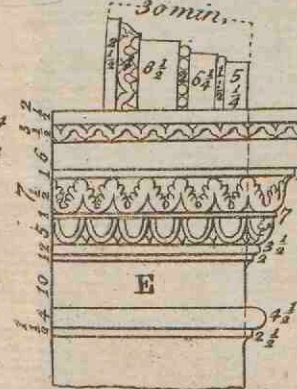
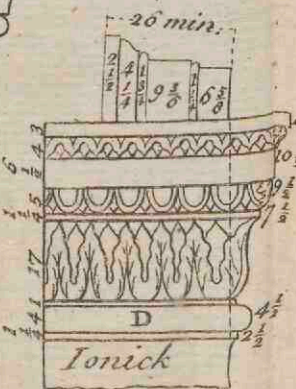
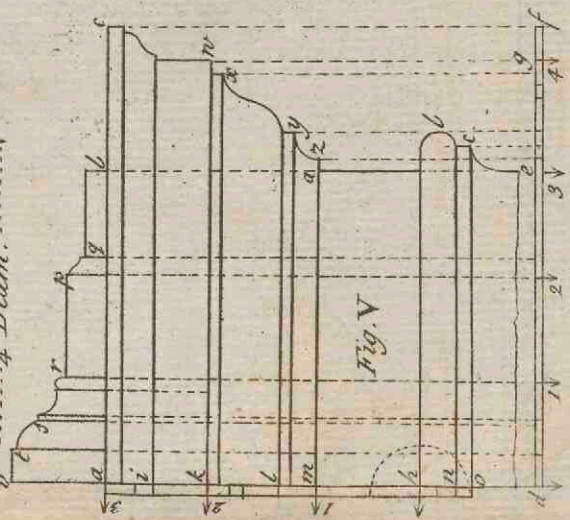
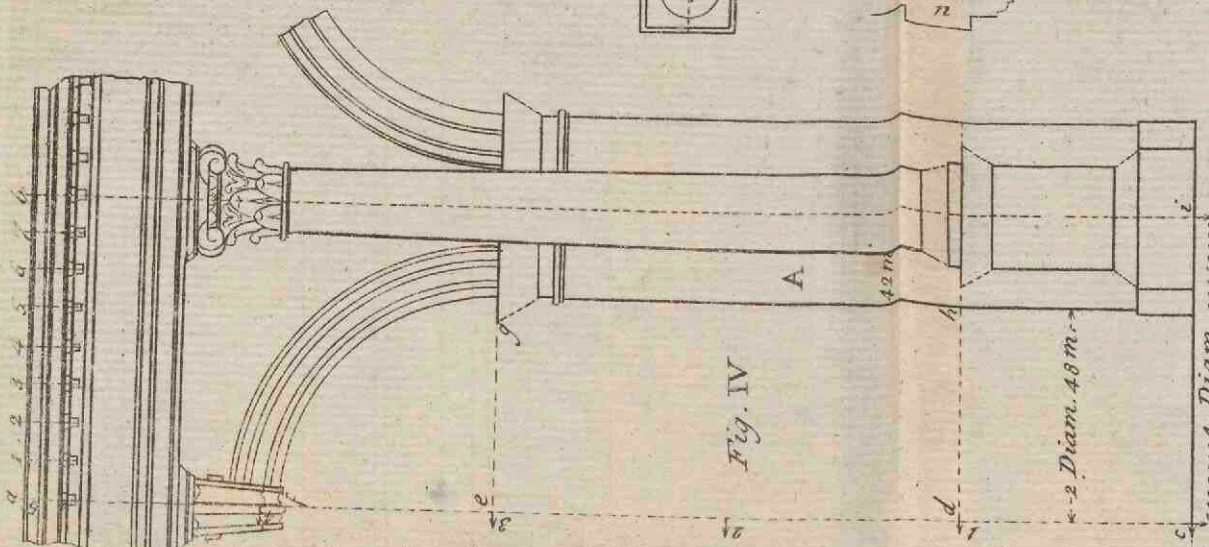
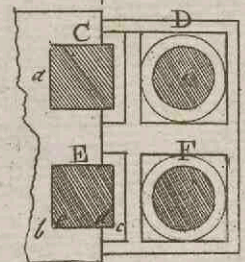
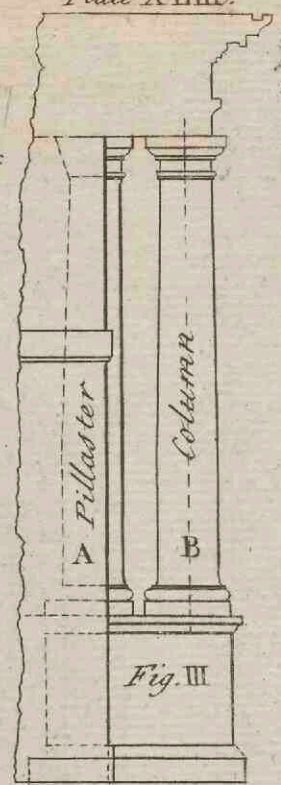
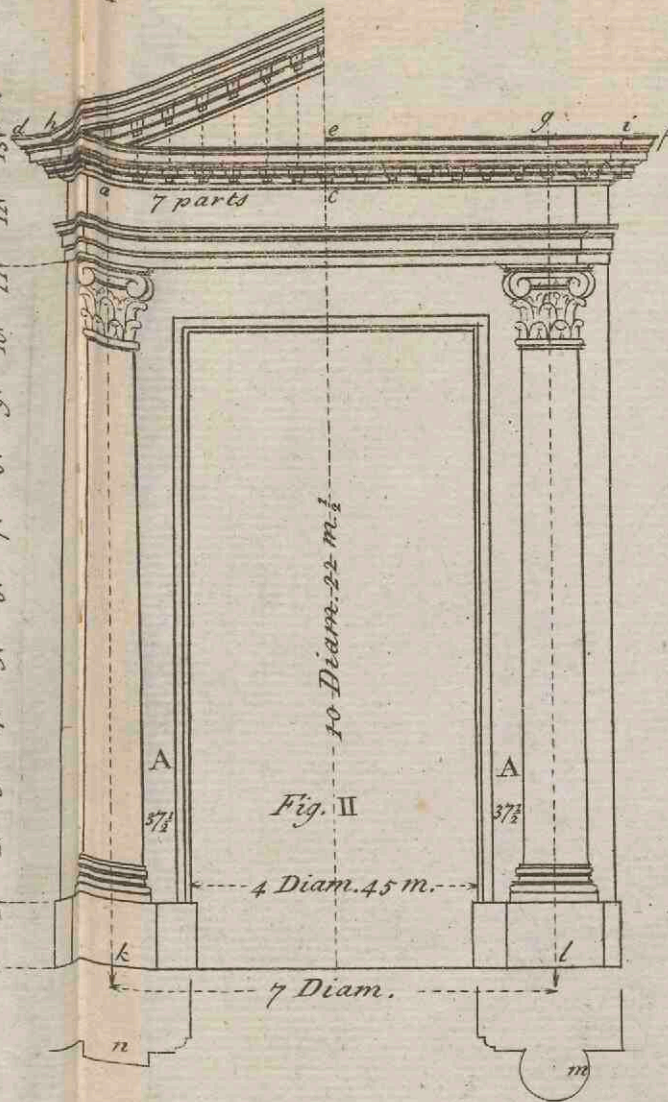
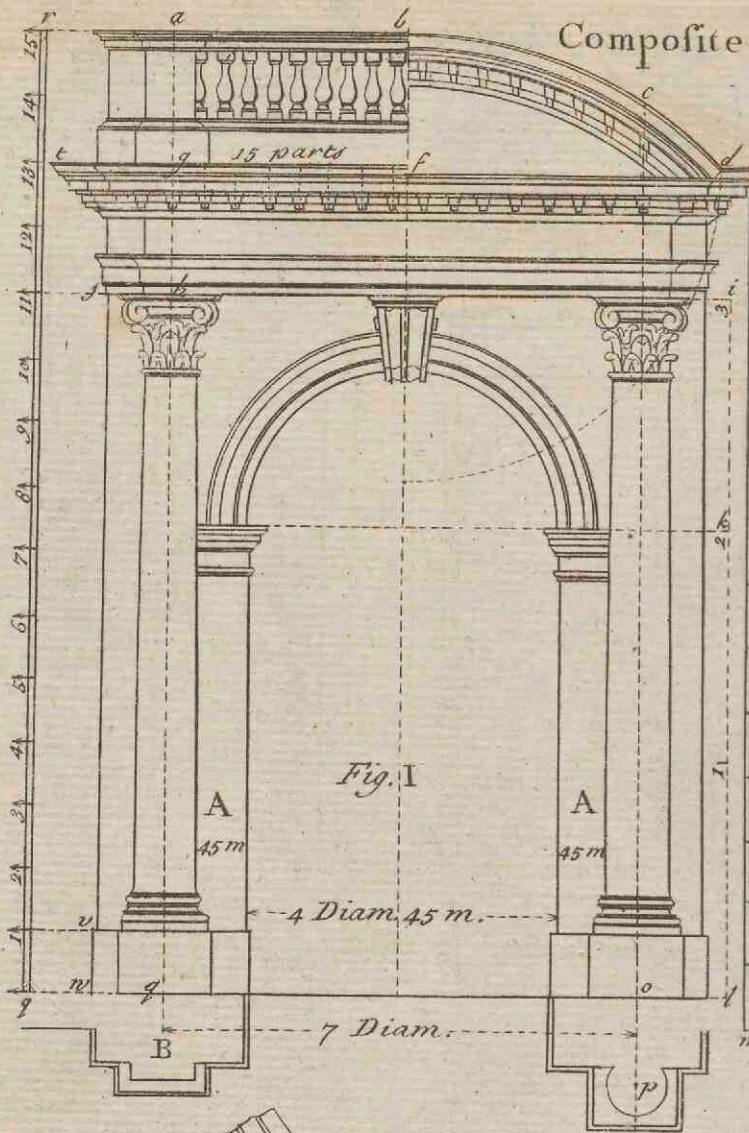
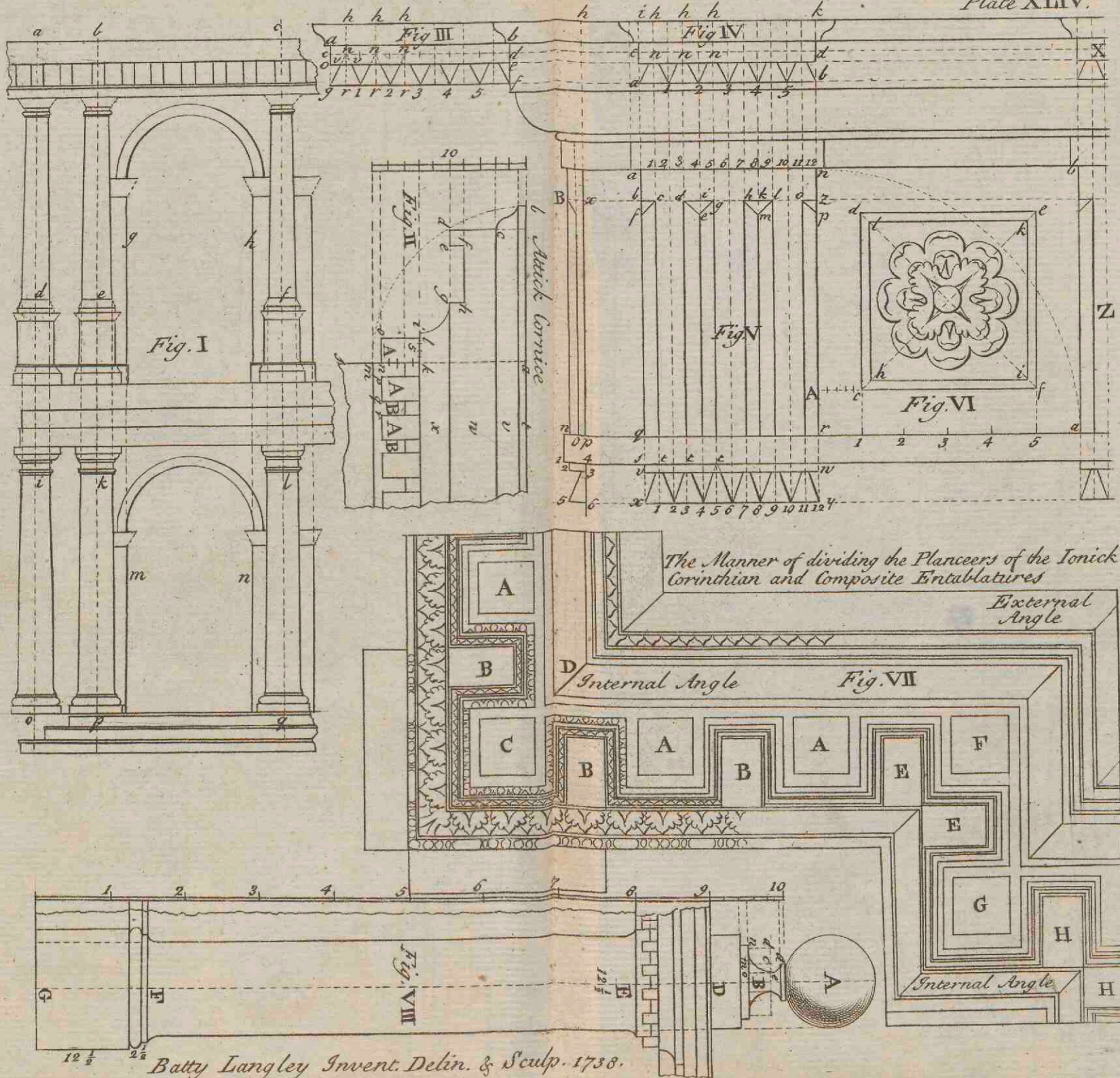


Fig. IV

Composite Frontispieces





The Manner of dividing the Planceers of the Ionick Corinthian and Composite Entablatures

External Angle

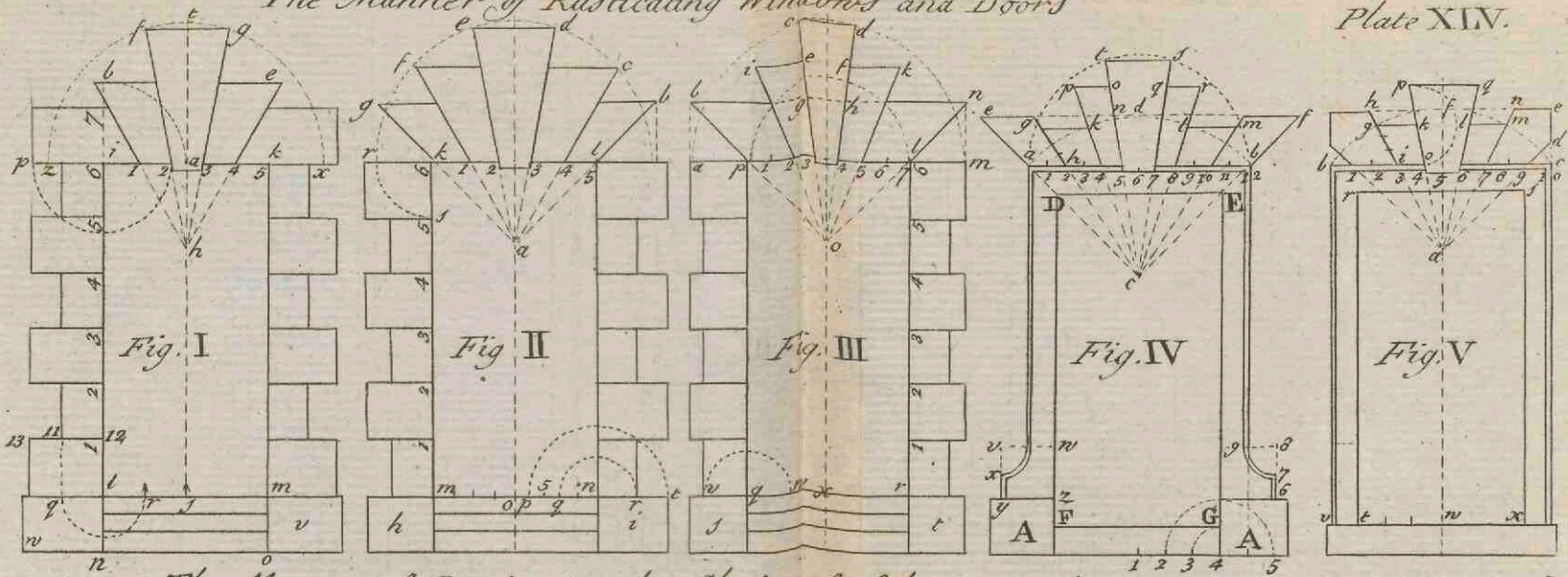
Internal Angle

Fig. VII

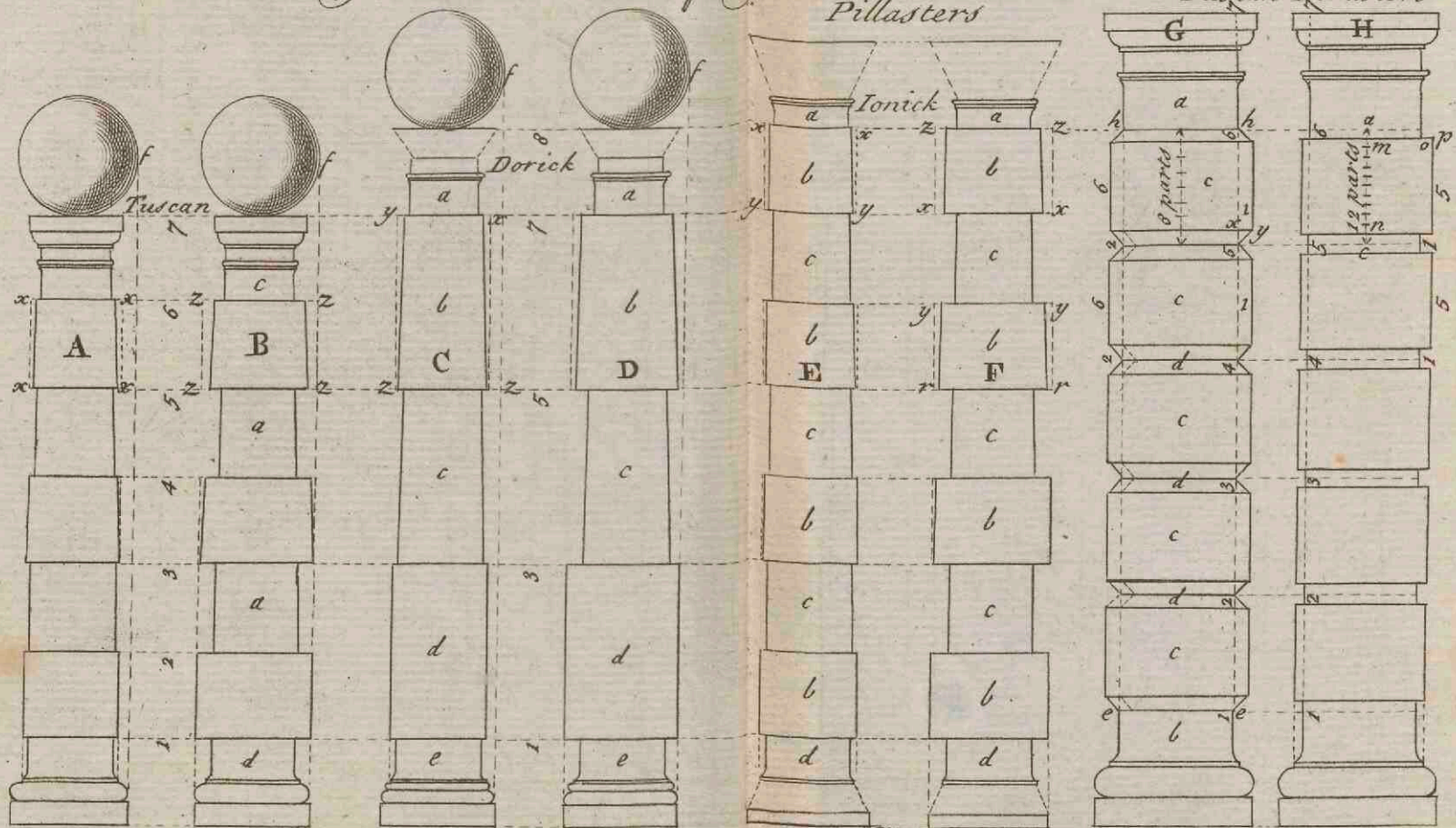
Internal Angle

The Manner of Rusticating Windows and Doors

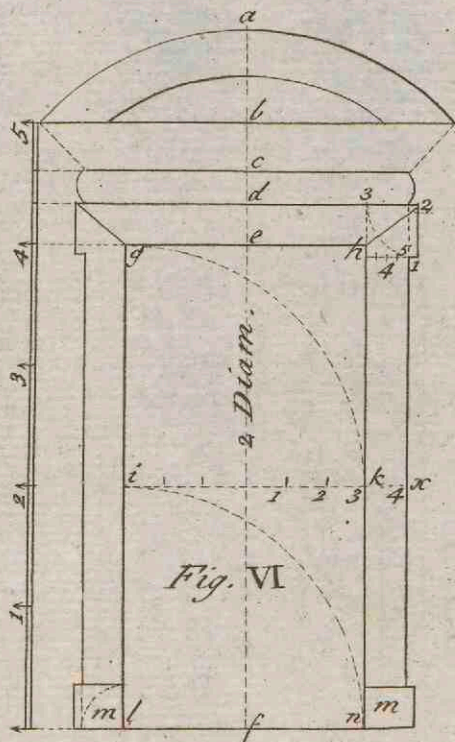
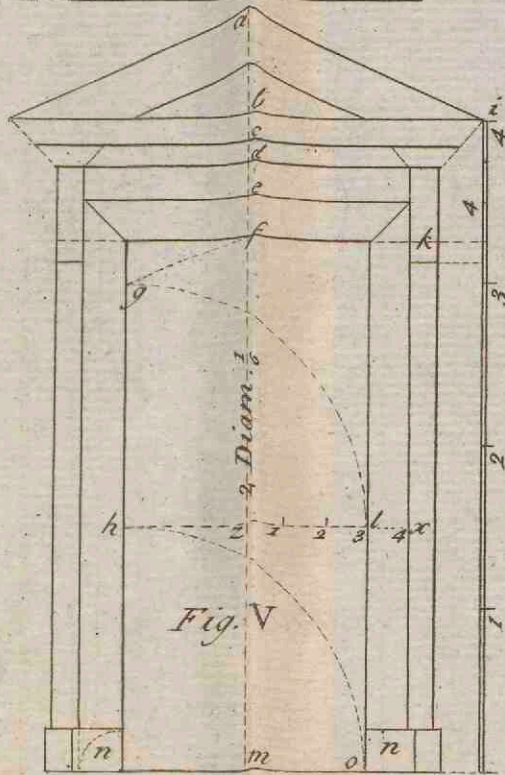
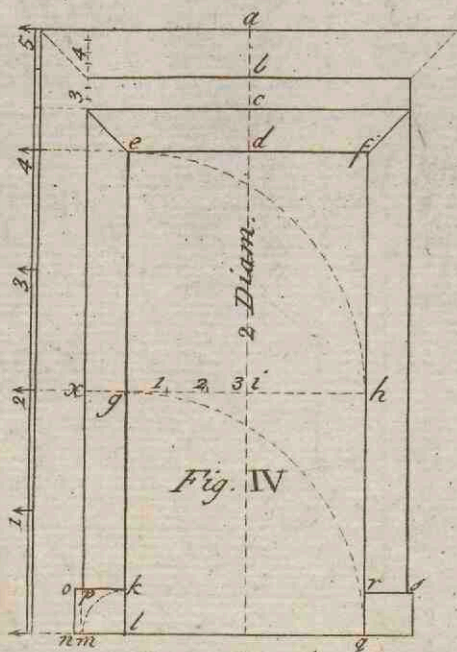
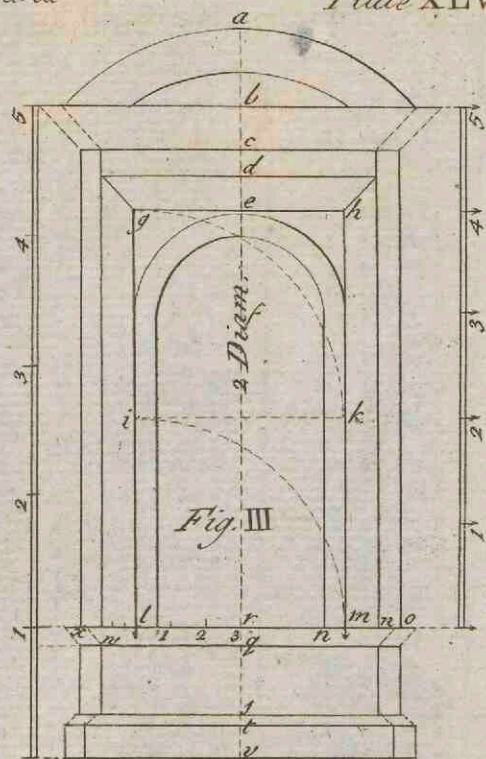
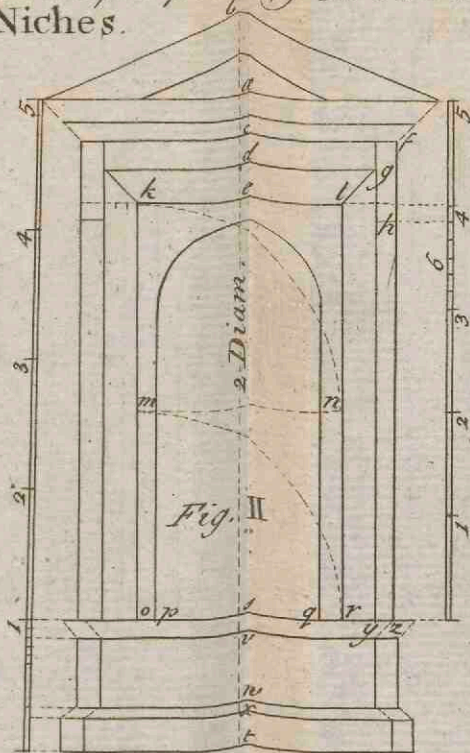
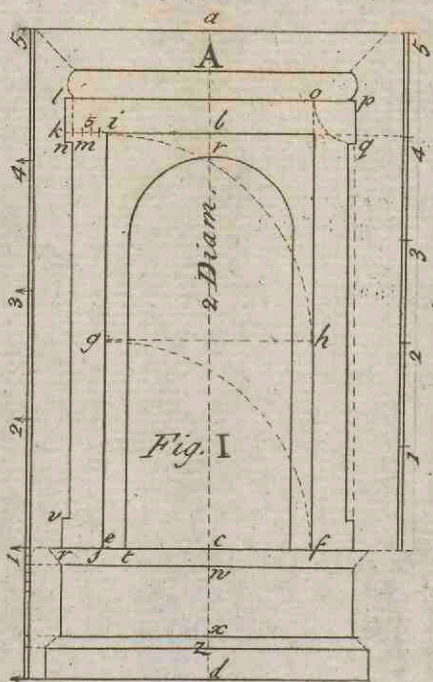
Plate XIX.



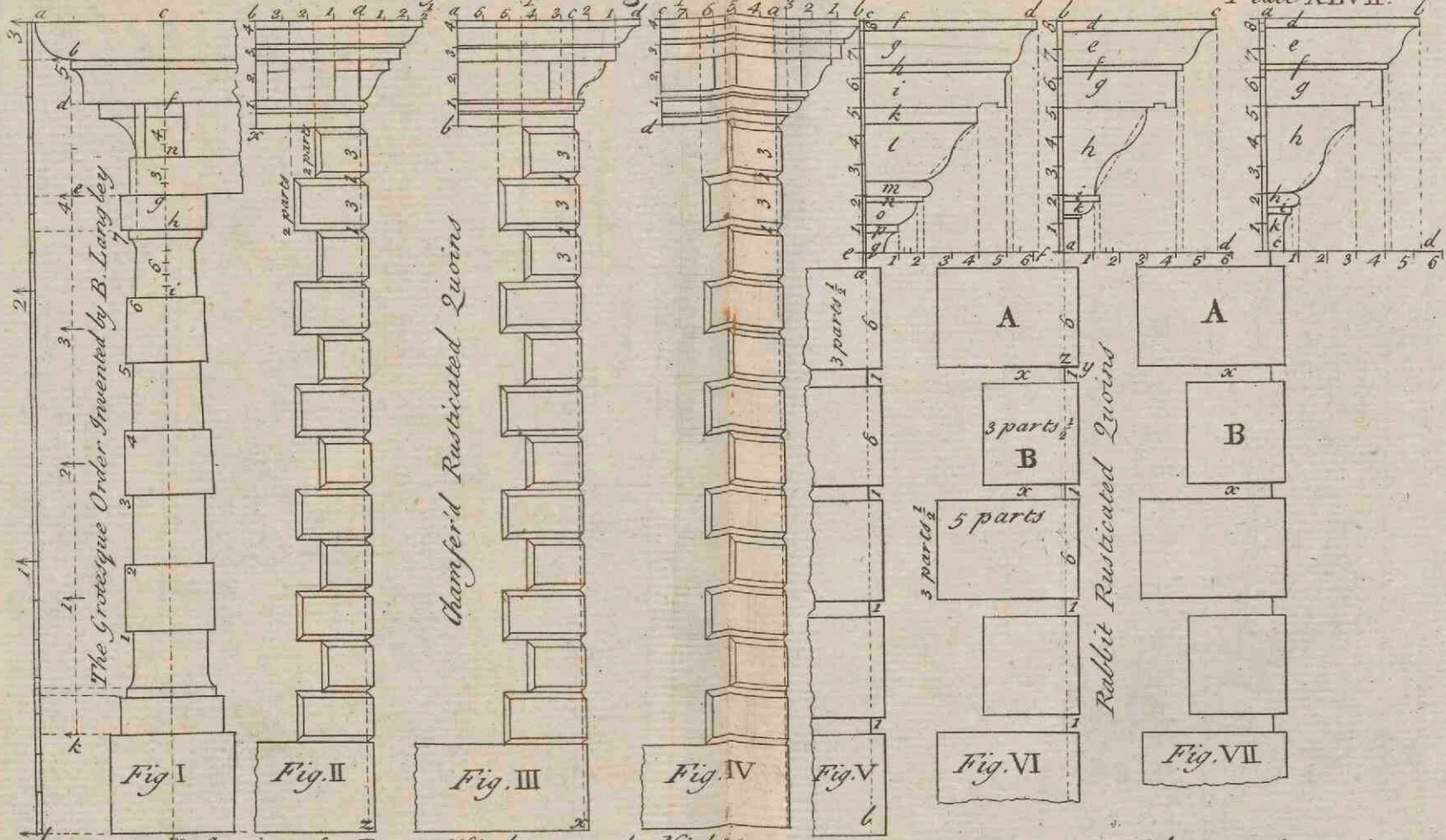
The Manner of Rusticating the Shafts of Columns and Pillasters



The Manner of Proportioning the Principal parts of Architraves and Entablatures to Doors, Windows & Niches.

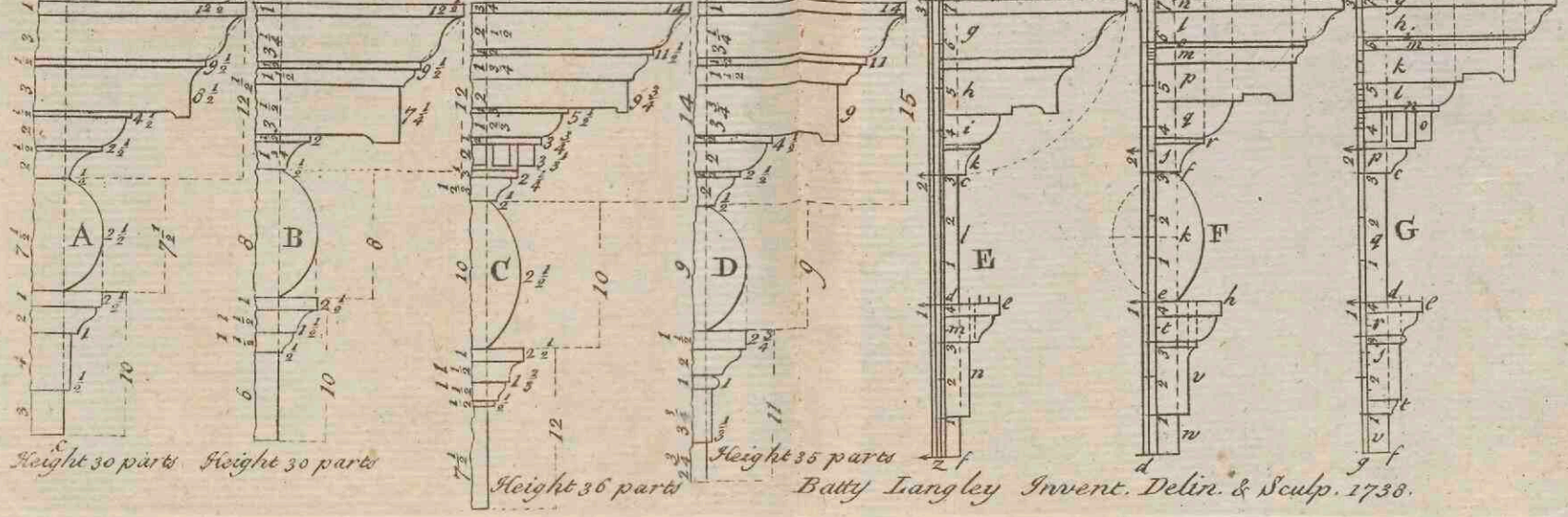


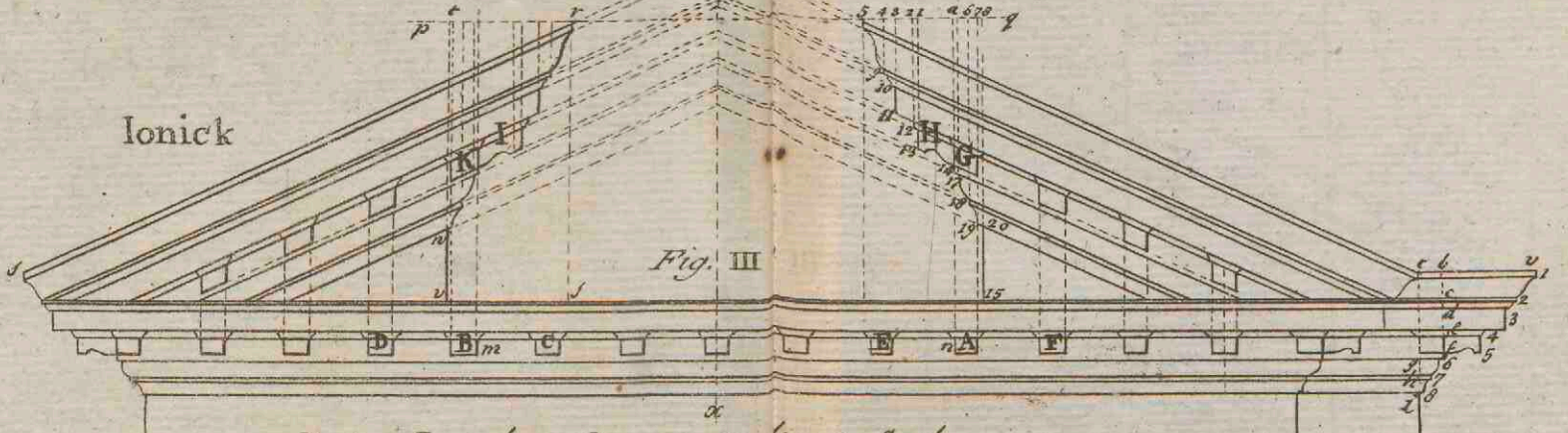
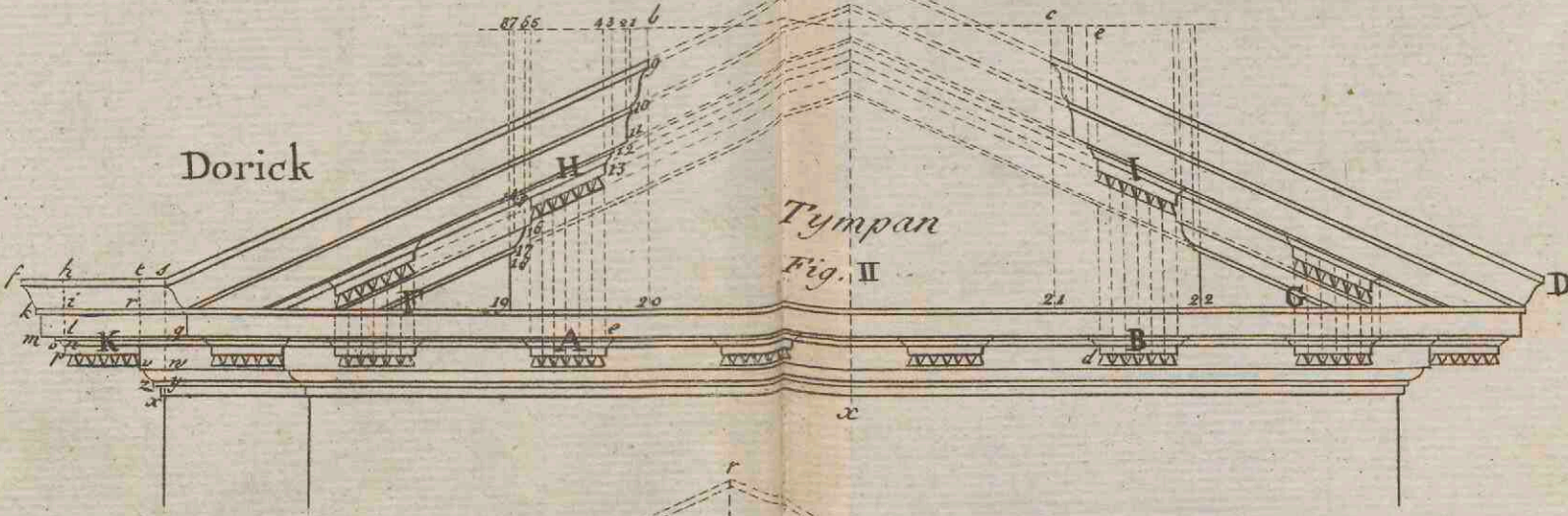
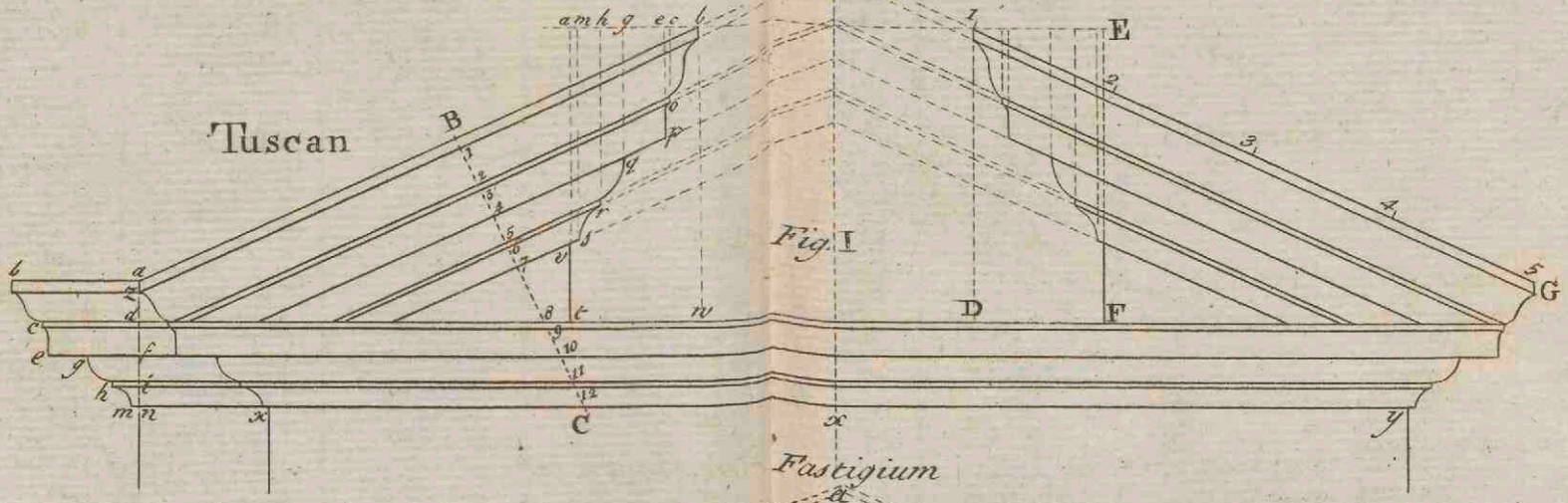
Block Cornices by Batty Langley



m Cornices for Doors, Windows and Niches.
 Dorick Ionick Corinthian Composite

Tuscan Ionick Composite





A Circular open Tuscan Pediment

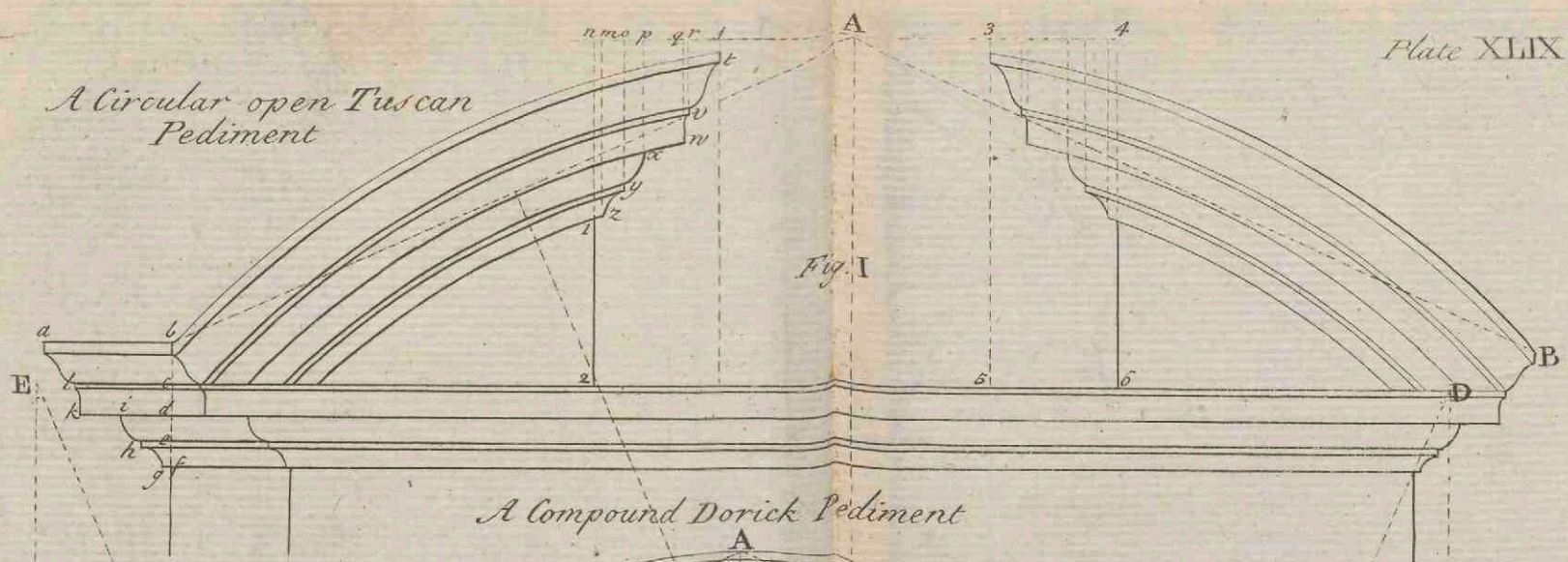


Fig. I

A Compound Dorick Pediment

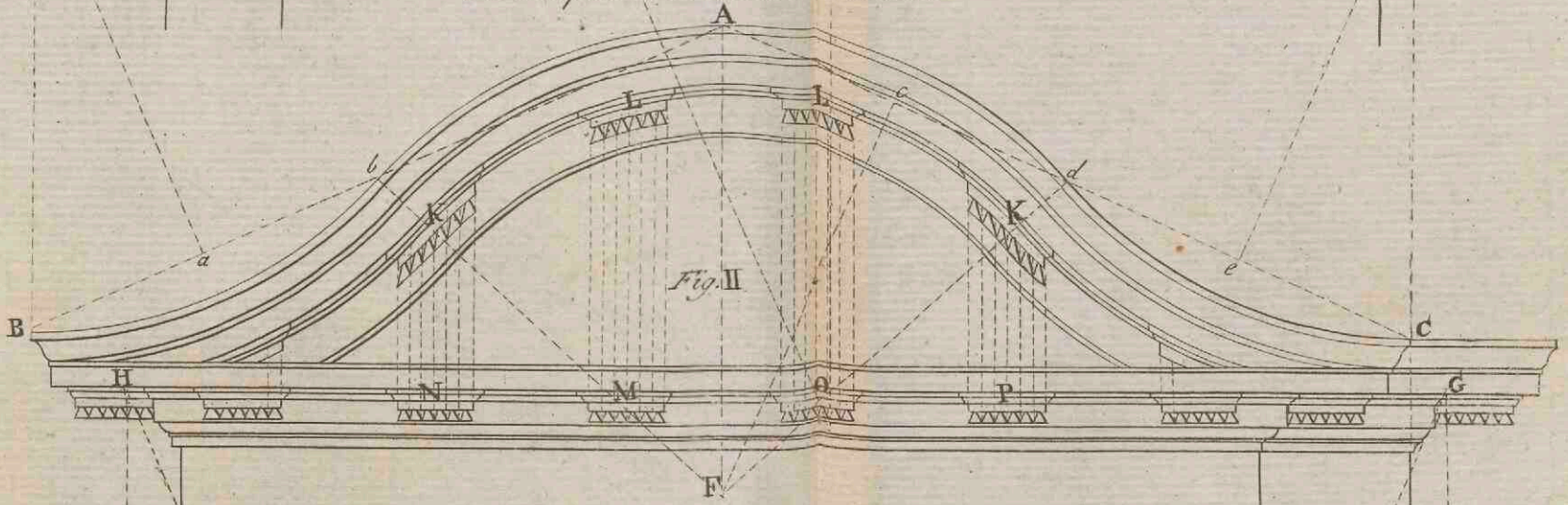


Fig. II

A Compound open Ionick Pediment

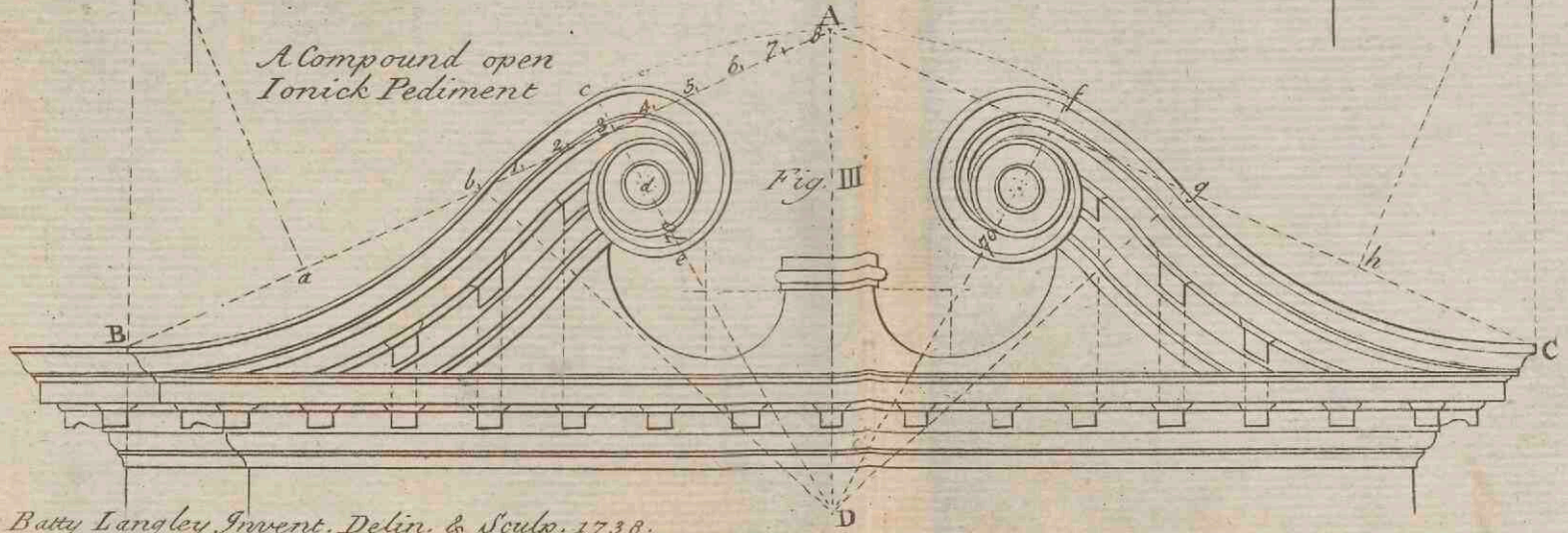


Fig. III

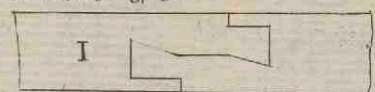
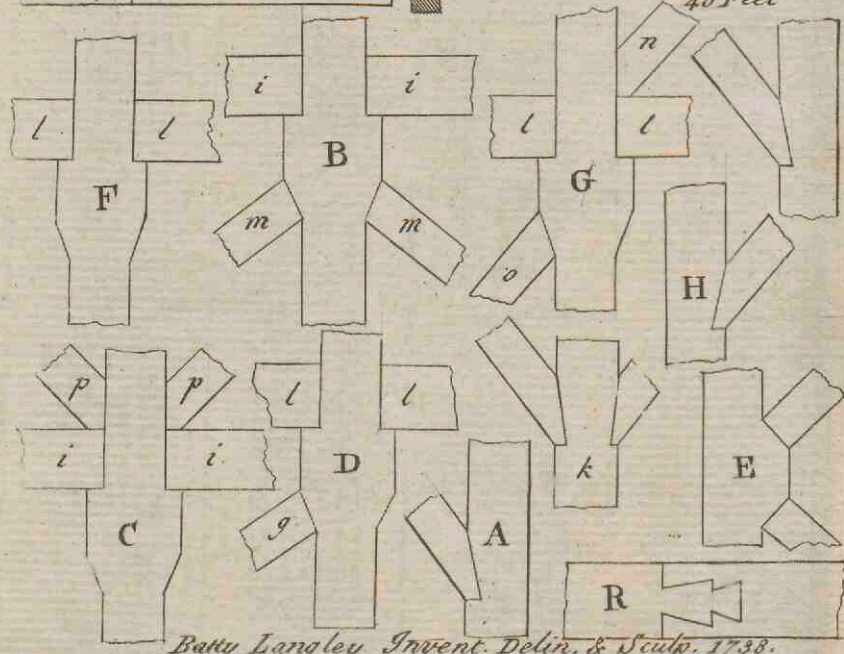
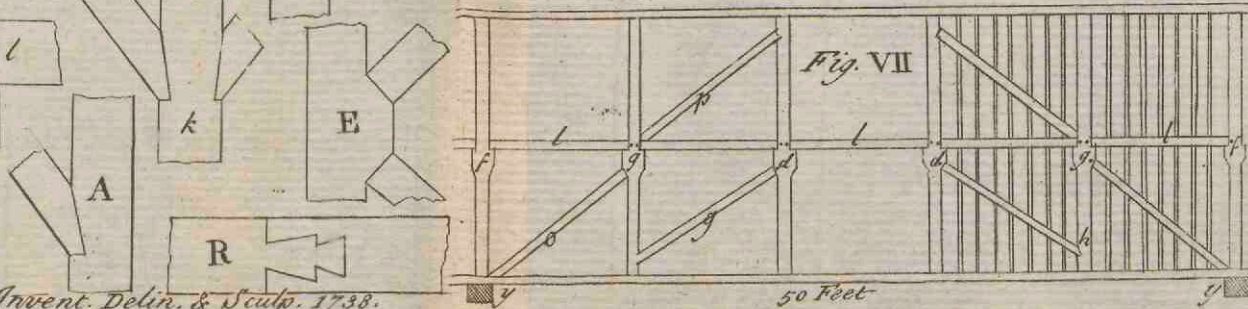
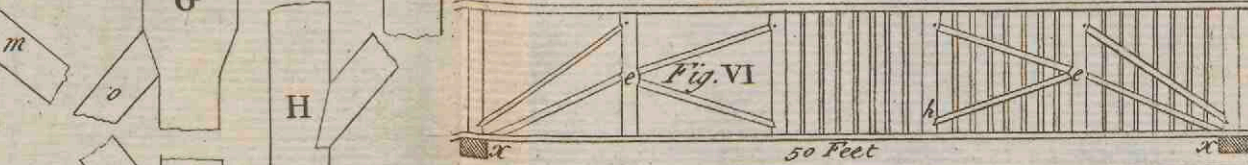
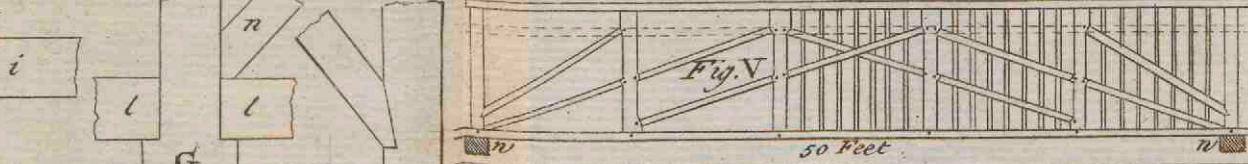
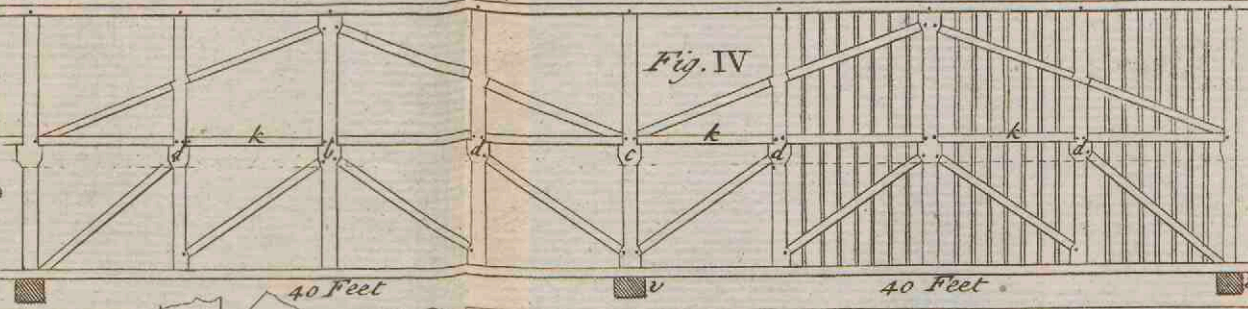
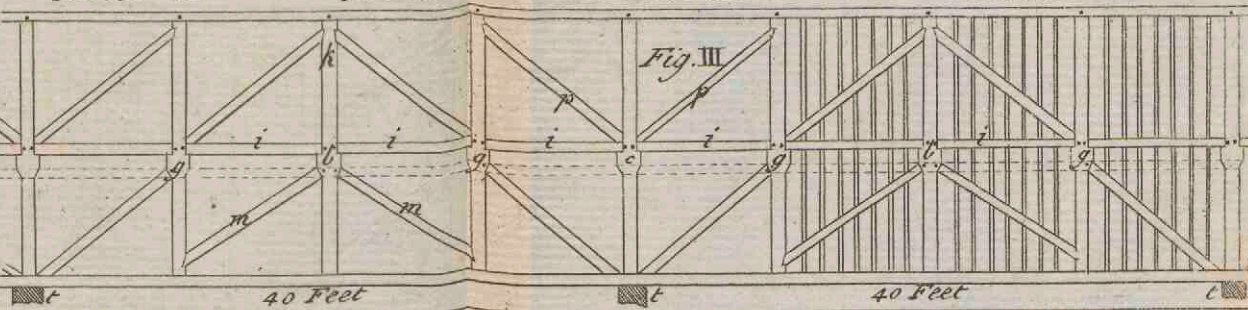
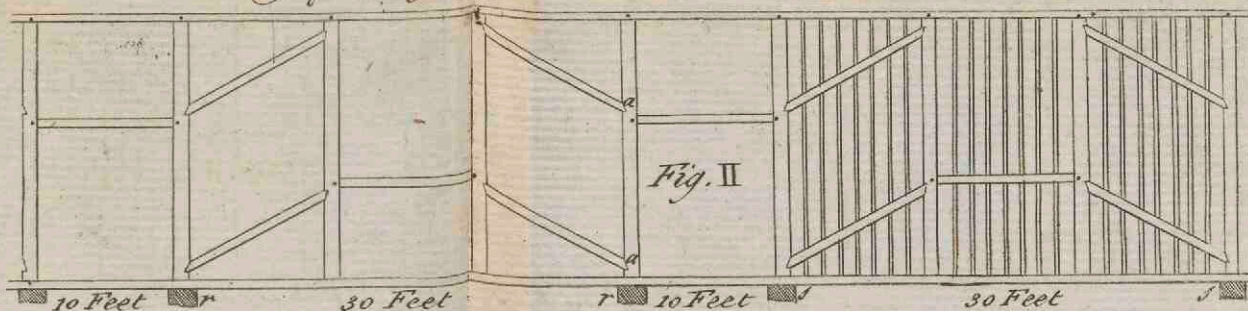
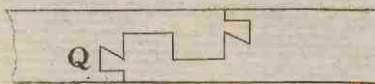
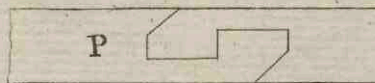
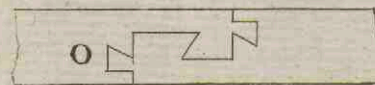
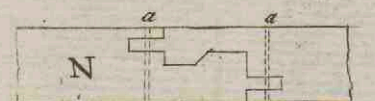
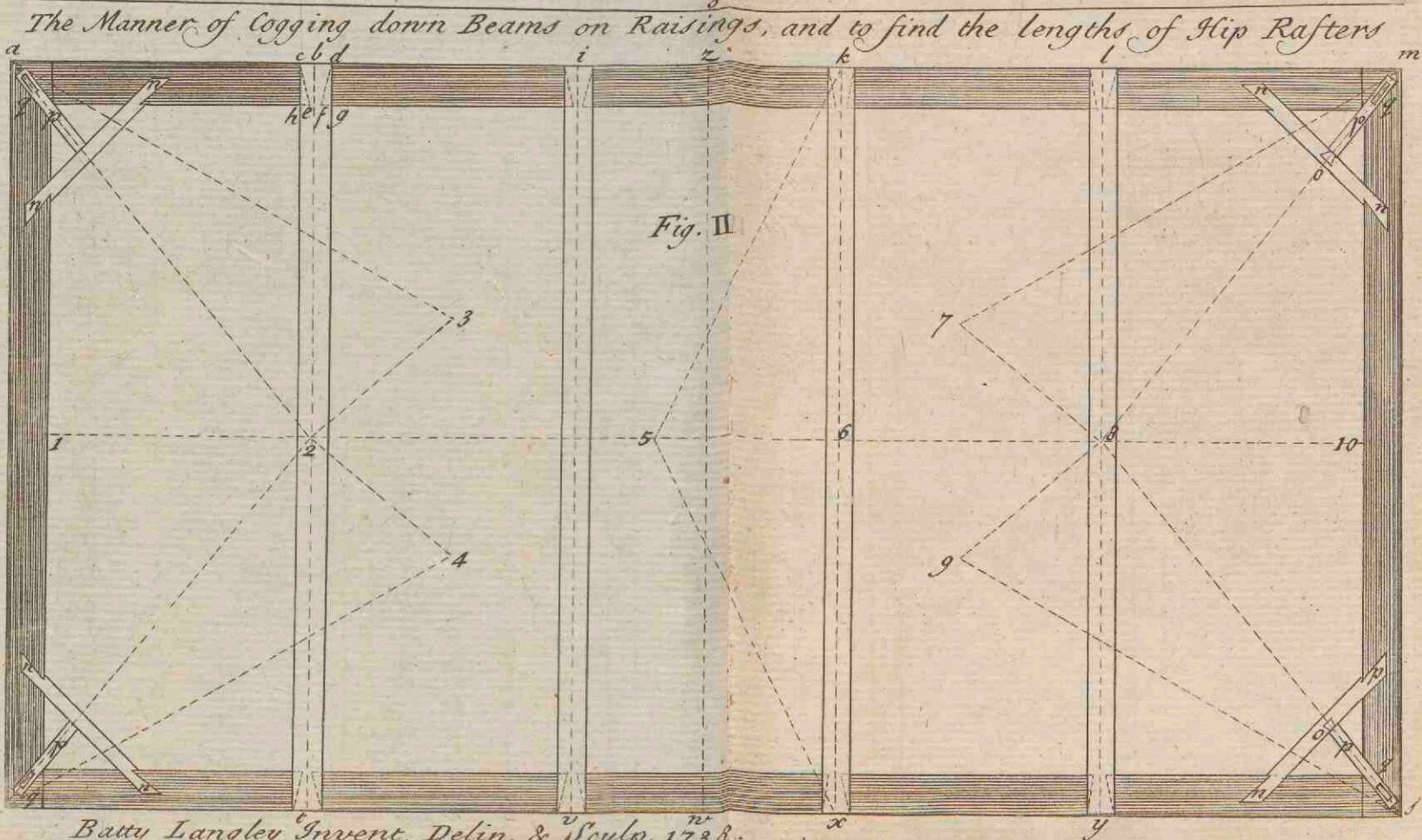
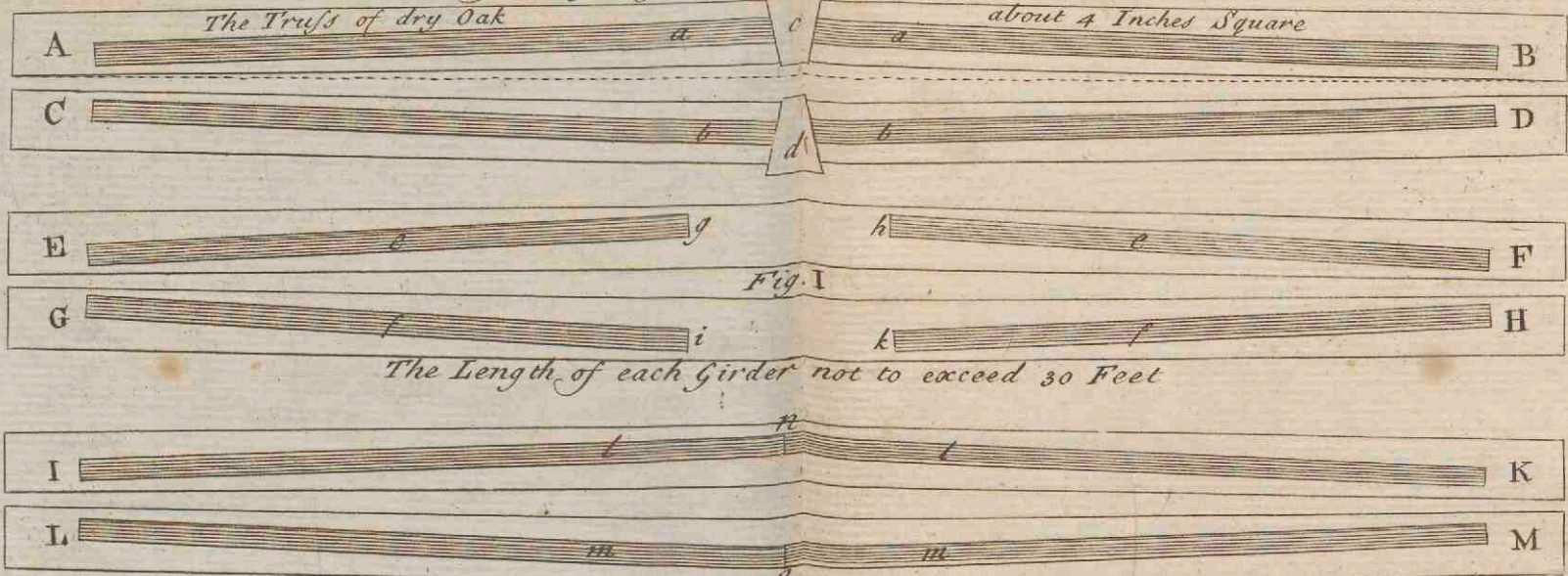


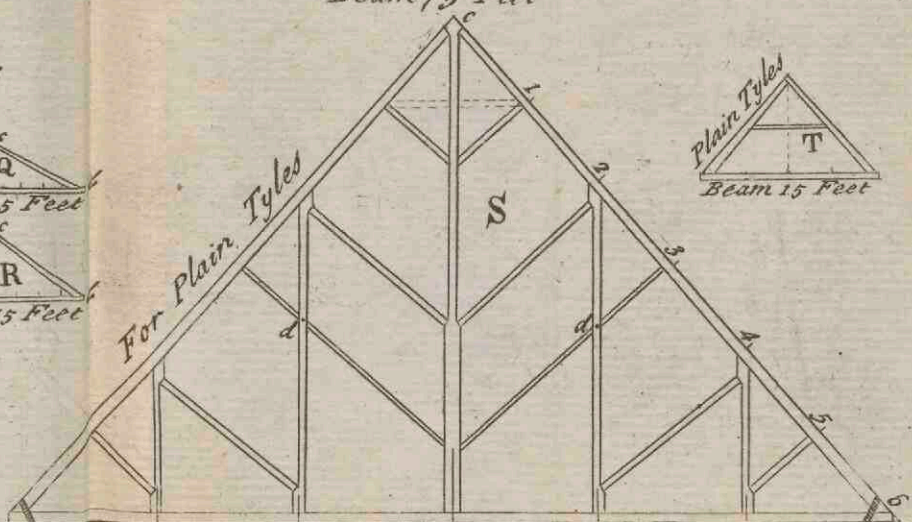
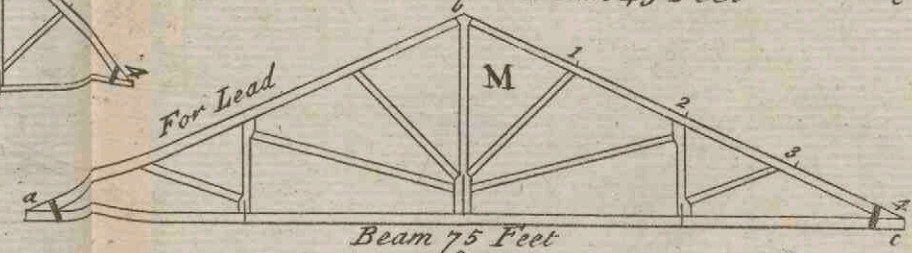
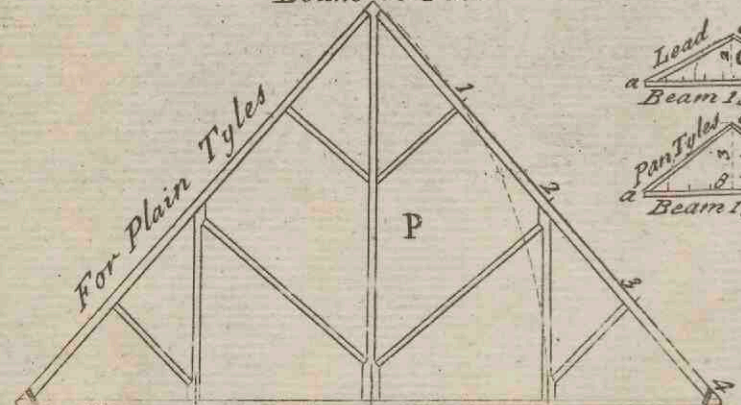
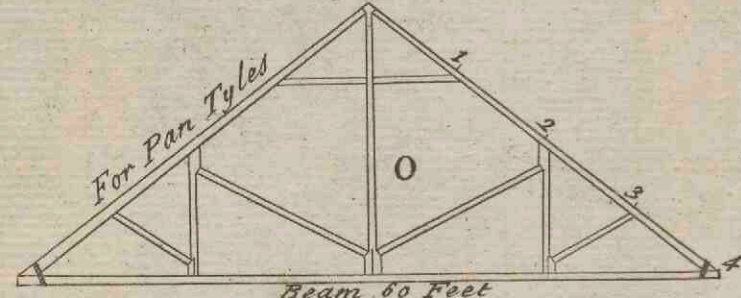
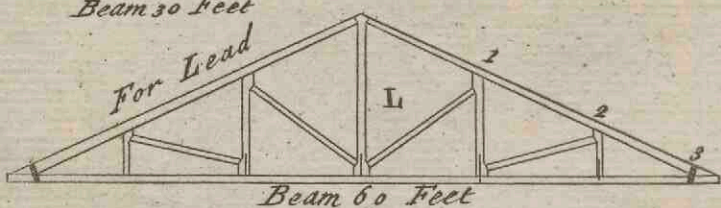
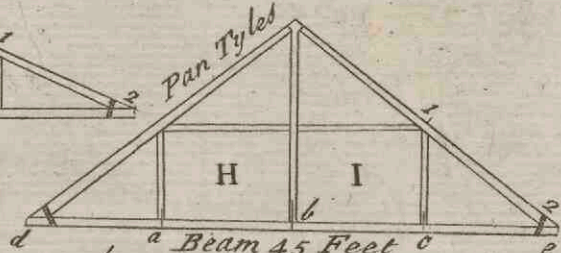
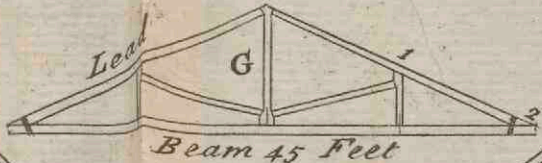
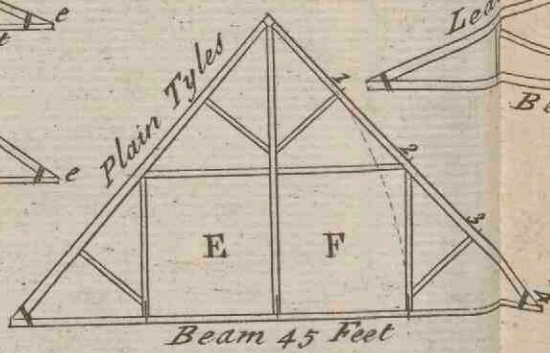
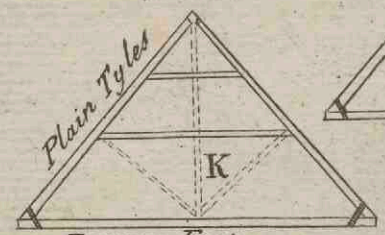
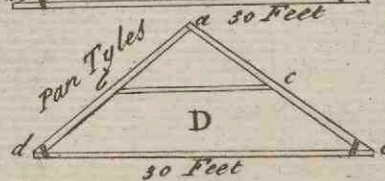
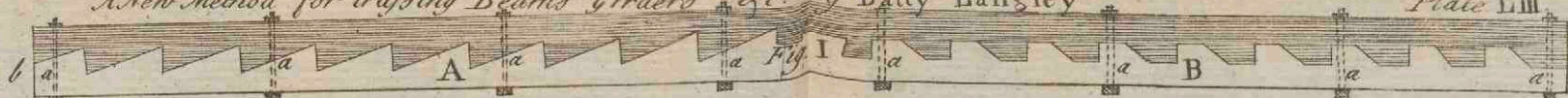
Fig. I

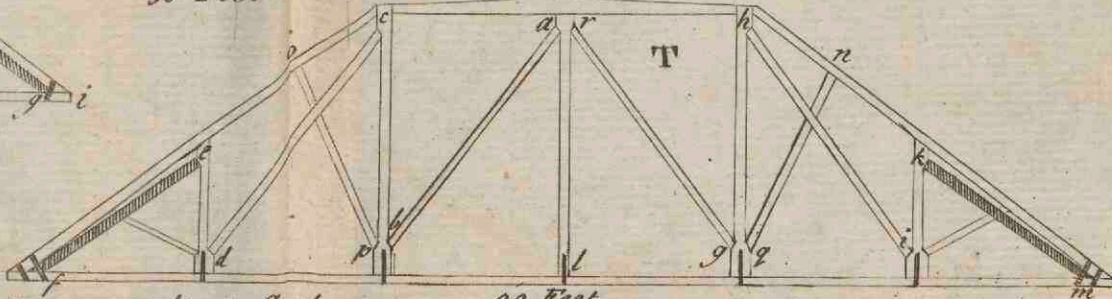
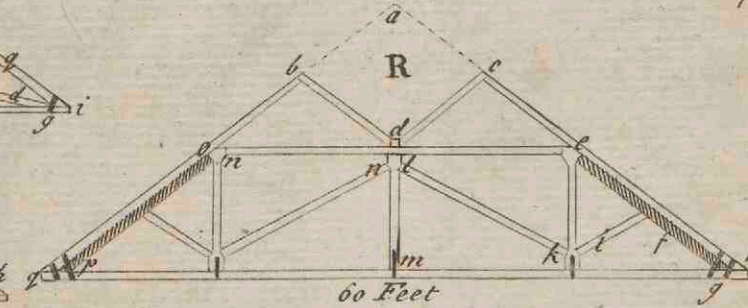
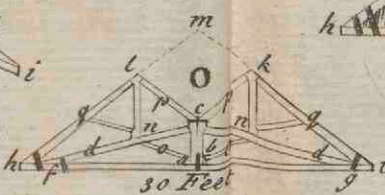
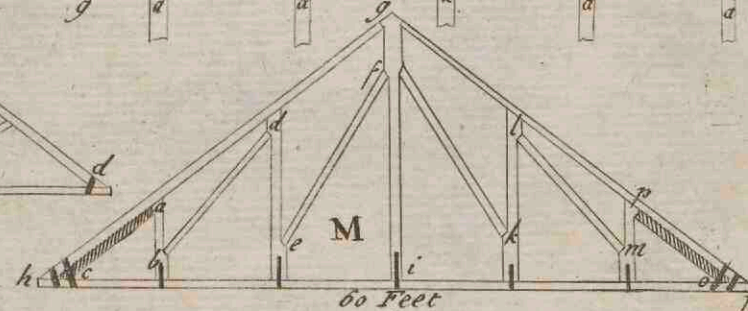
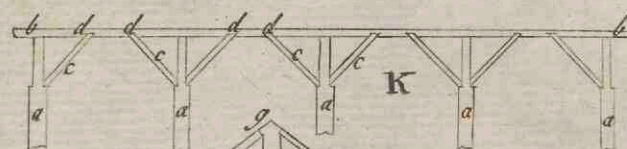
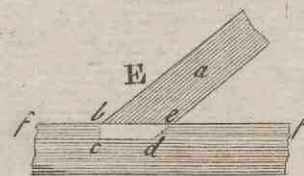
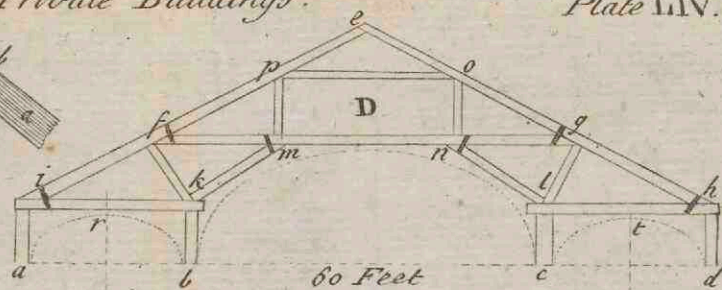
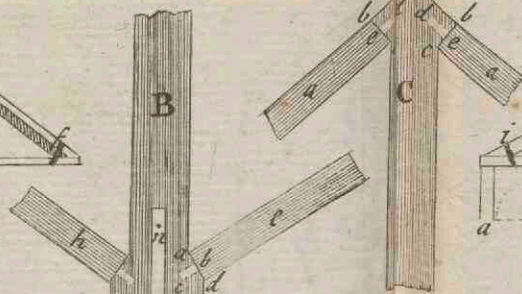
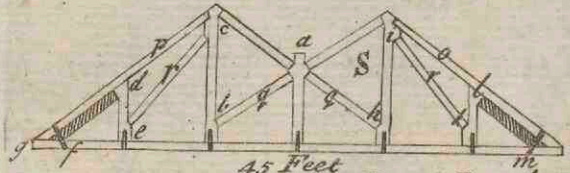
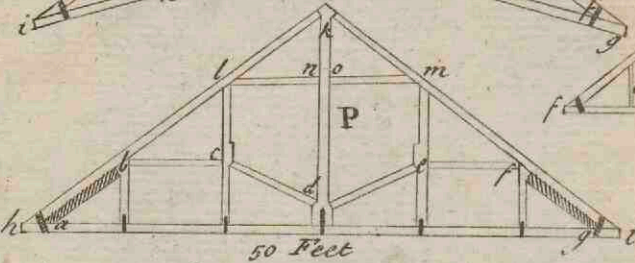
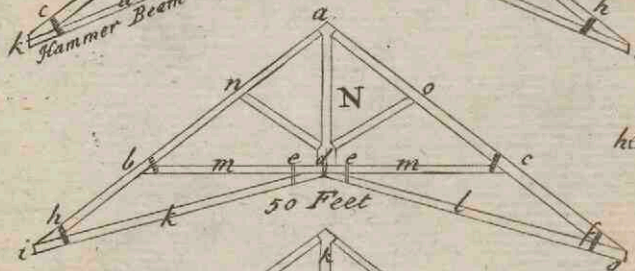
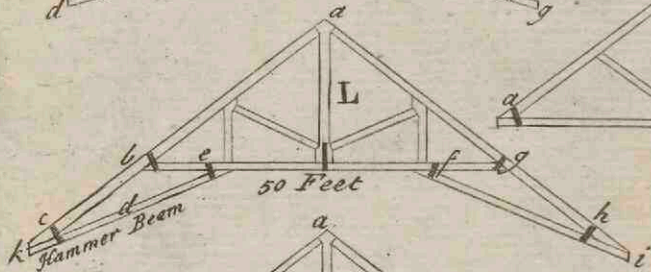
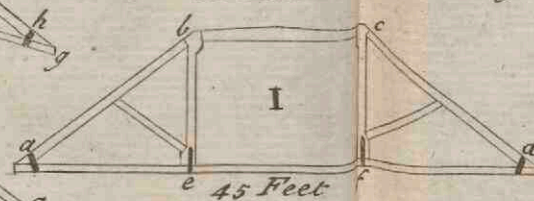
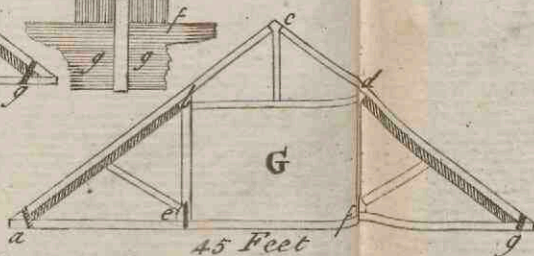
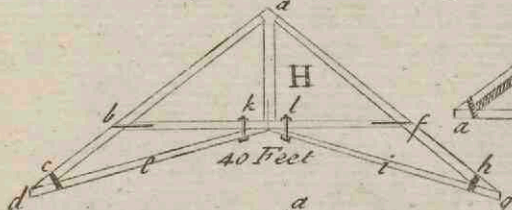
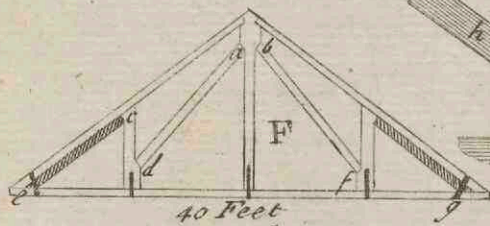
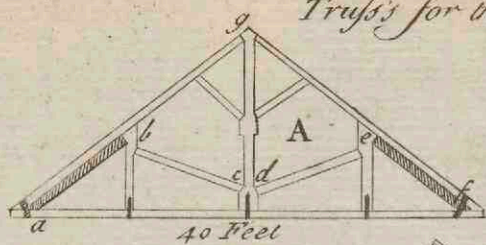


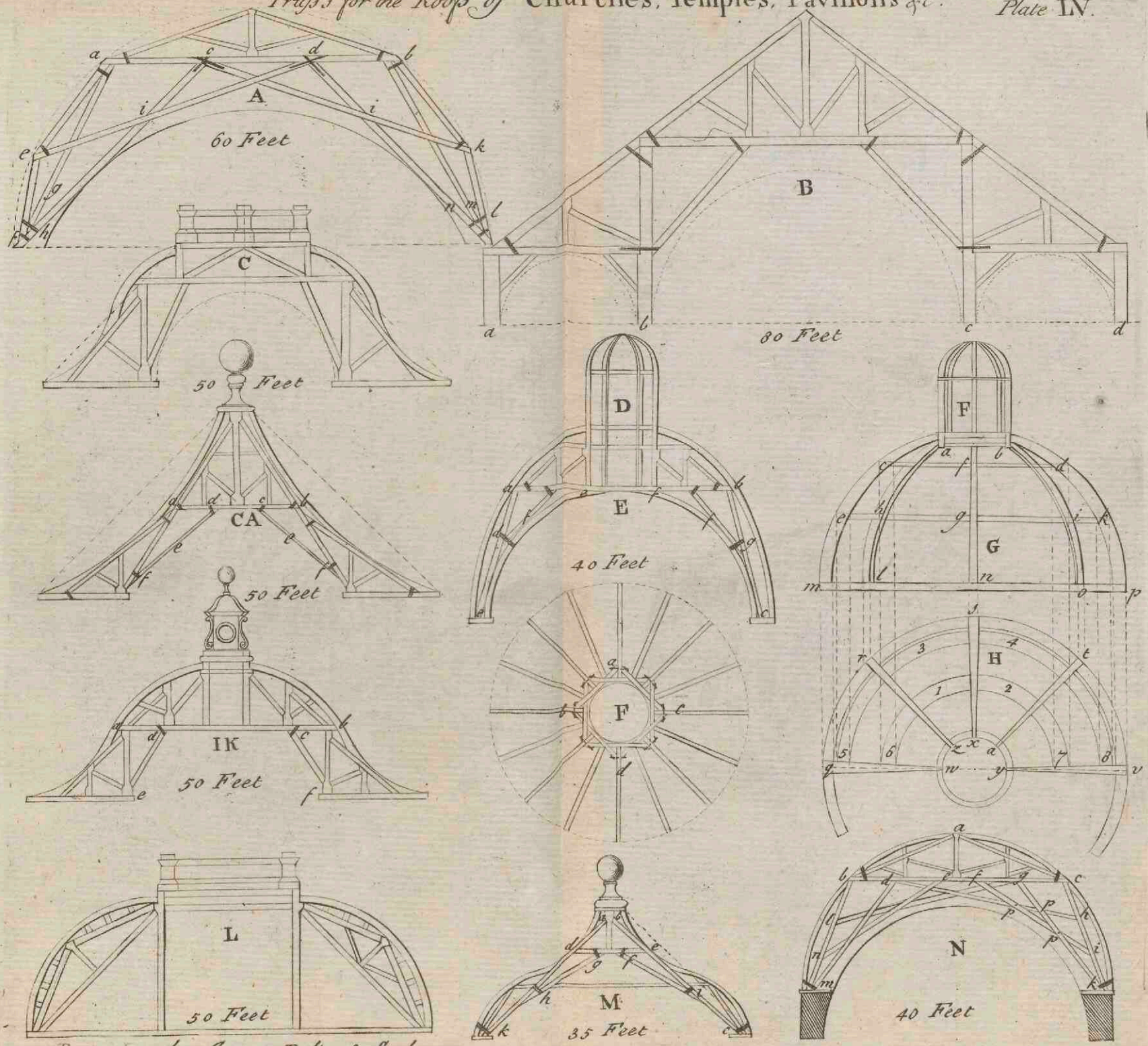
The Manner of Trussing Beams, Girders &c.

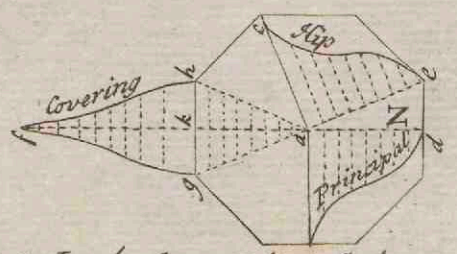
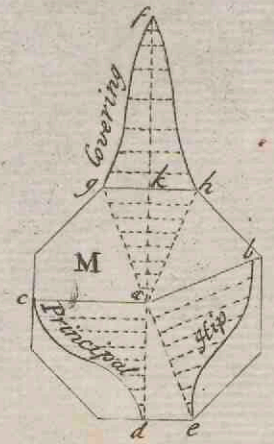
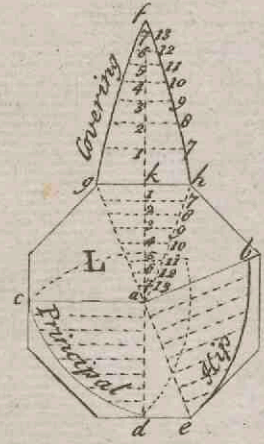
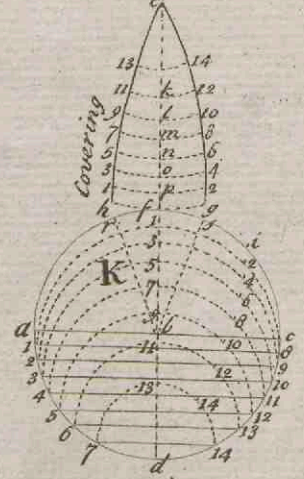
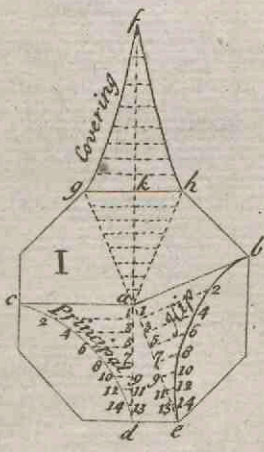
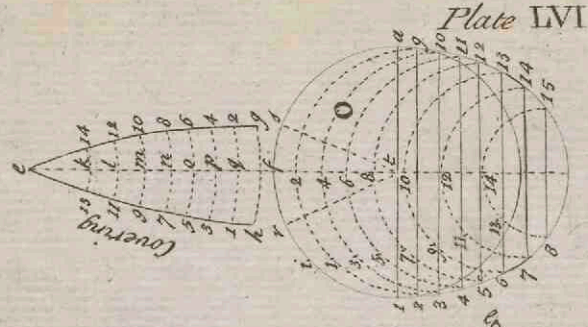
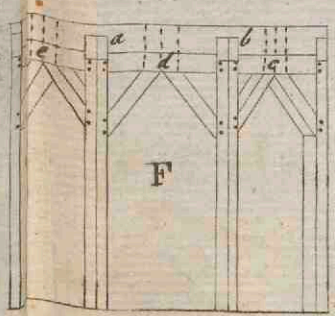
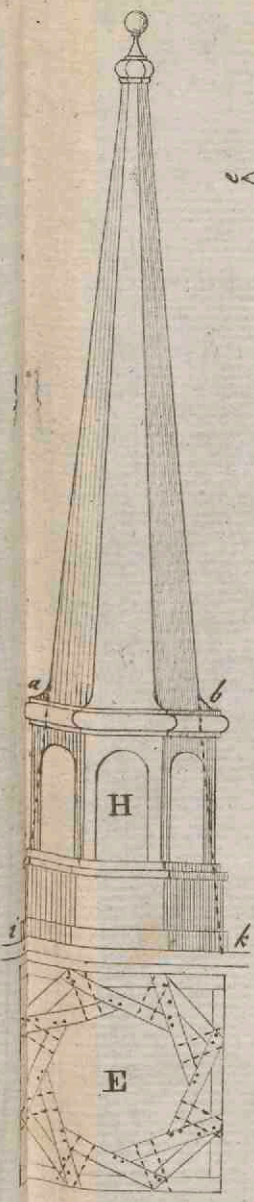
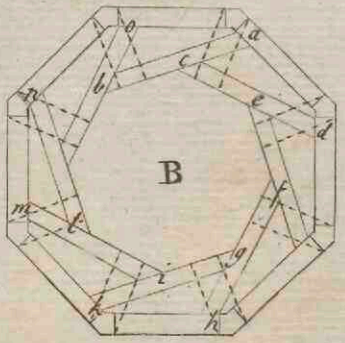
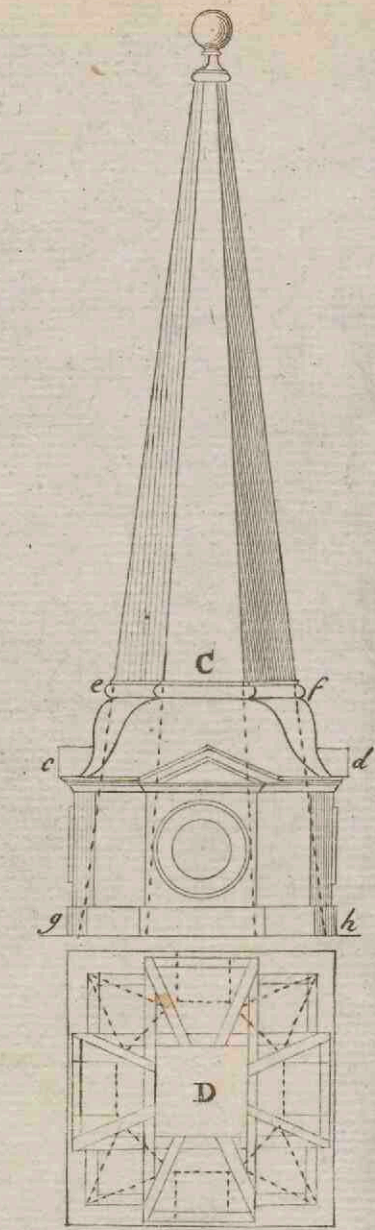
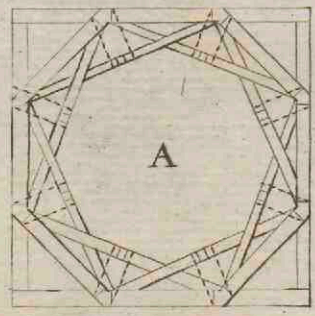
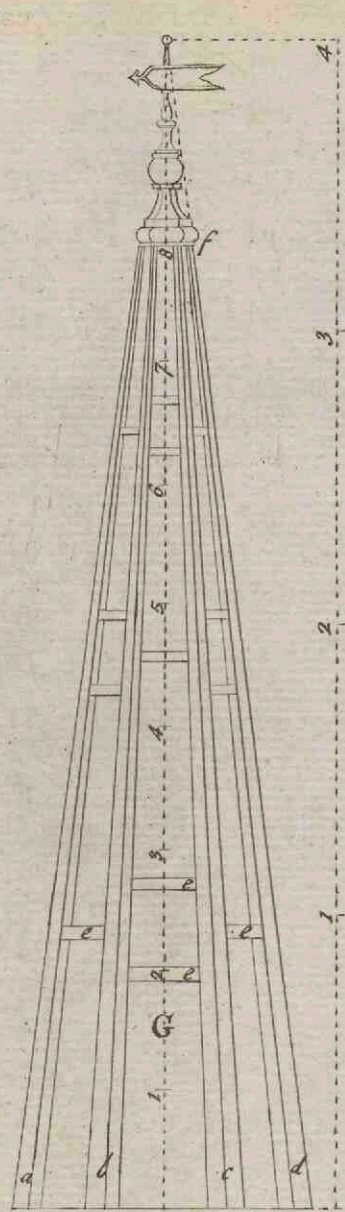
Plate LII.

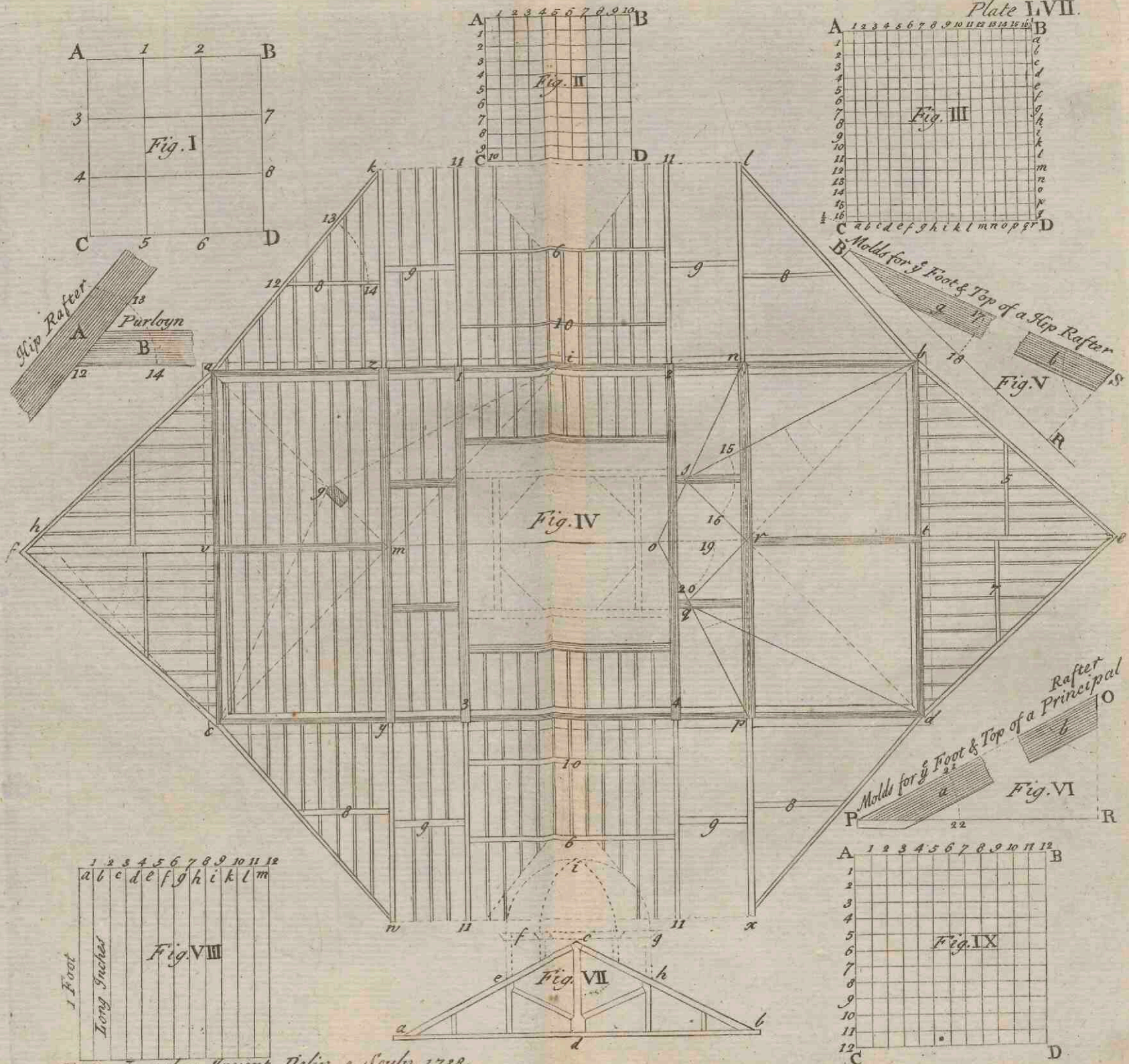




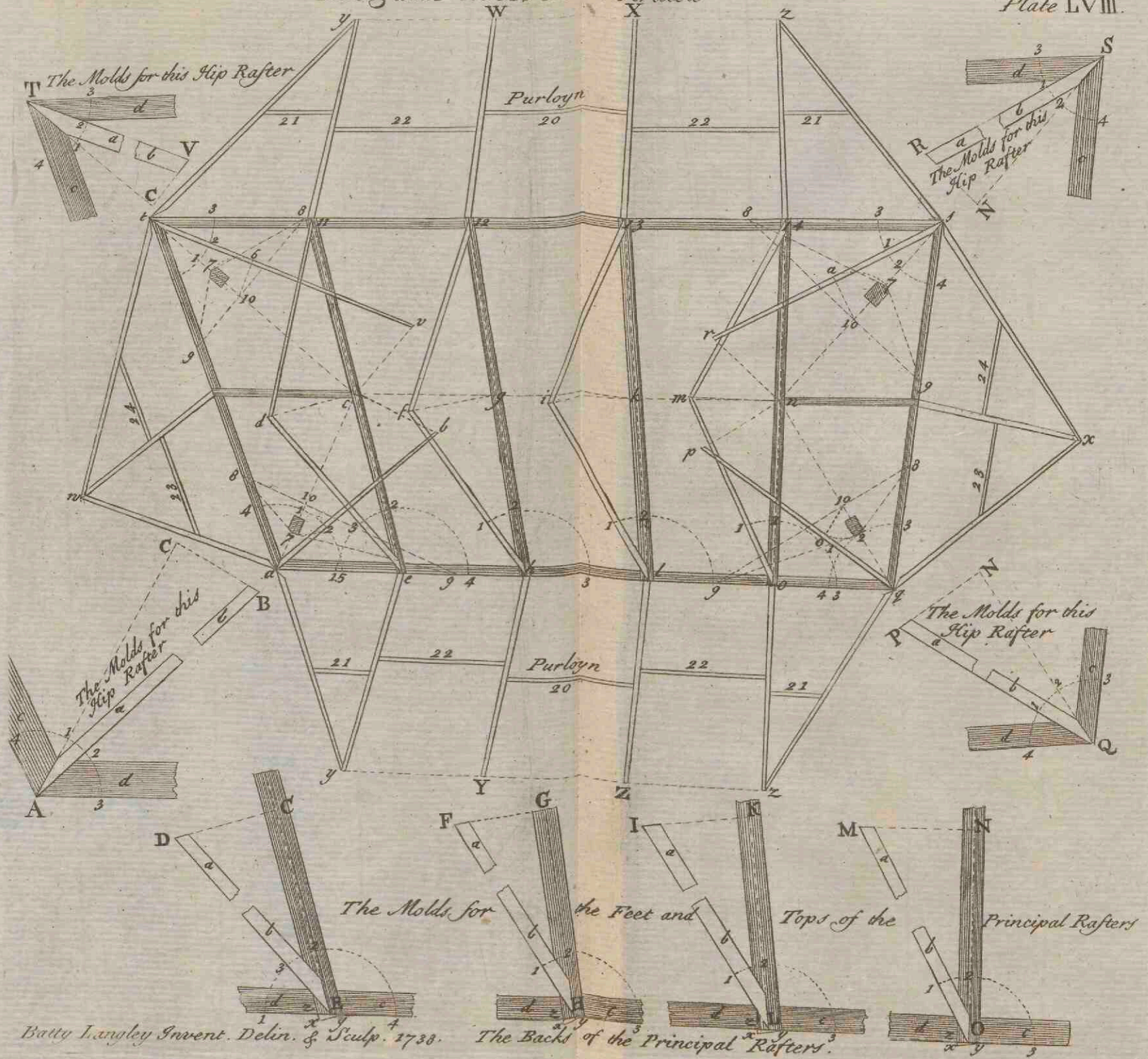








Irregular Roofs Demonstrated

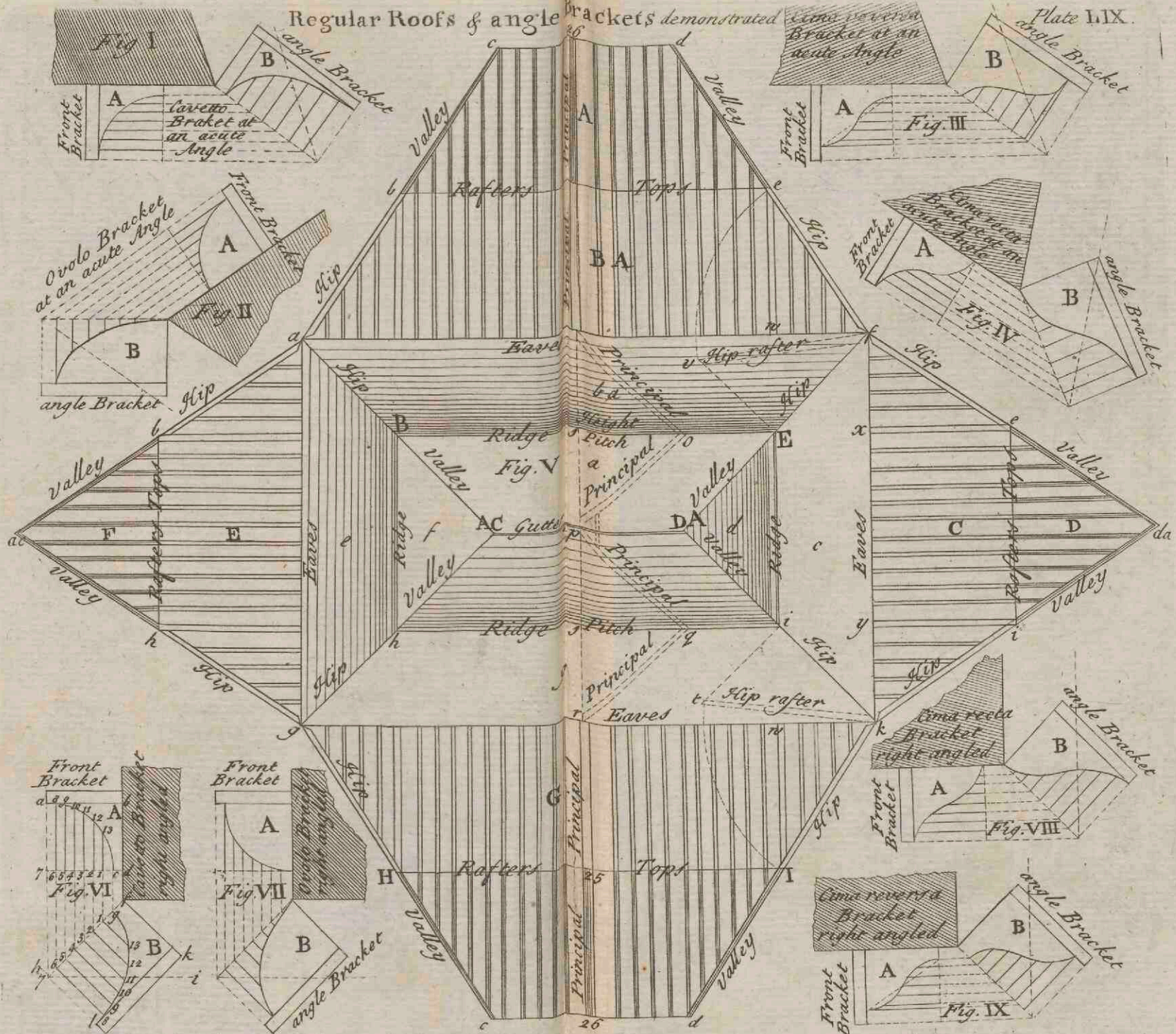


Batty Langley Invent. Delin. & Sculp. 1730.

The Backs of the Principal Rafters.

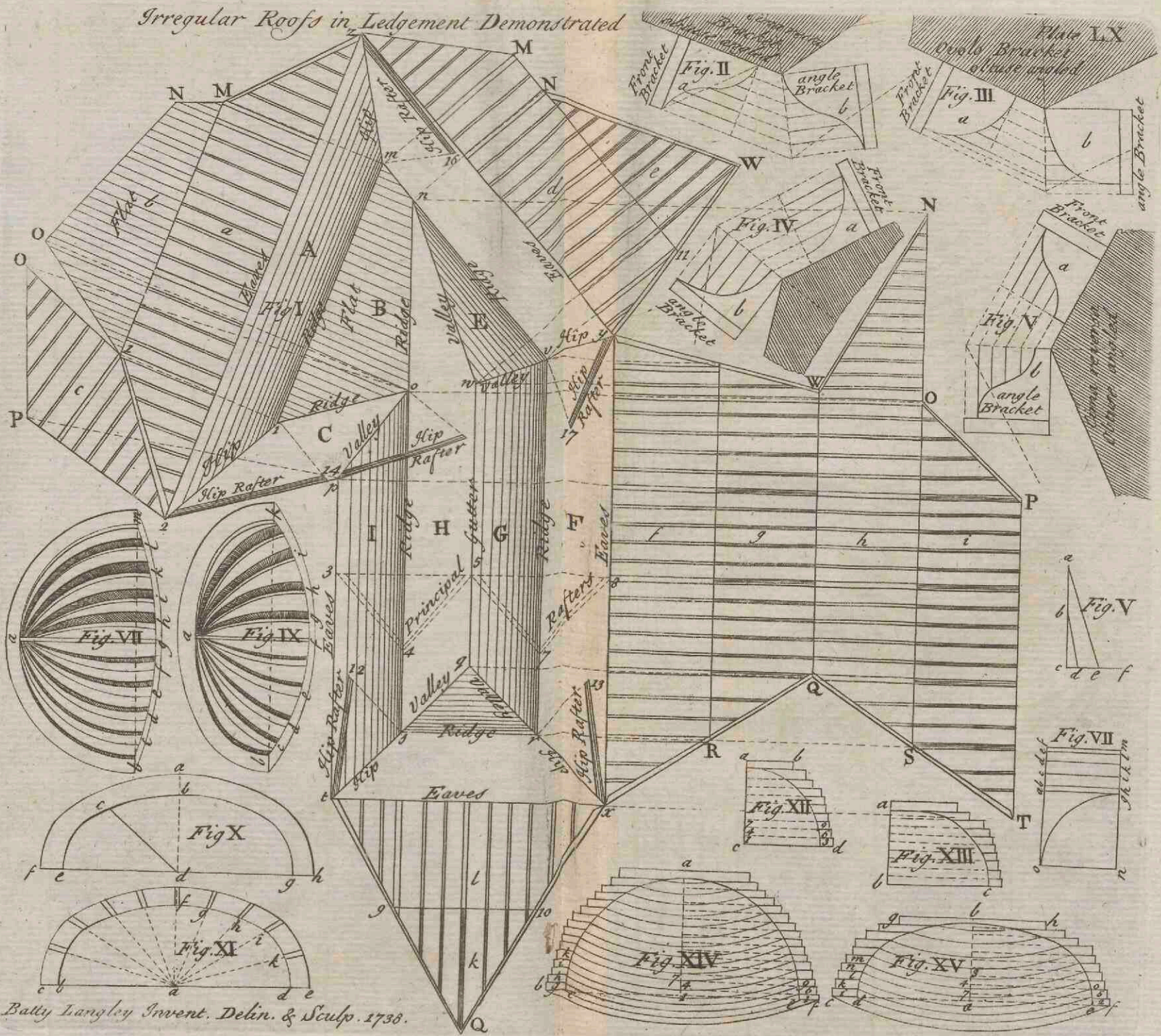
Regular Roofs & angle Brackets demonstrated

Plate LIX.
Cima reversa Bracket at an acute Angle
angle Bracket

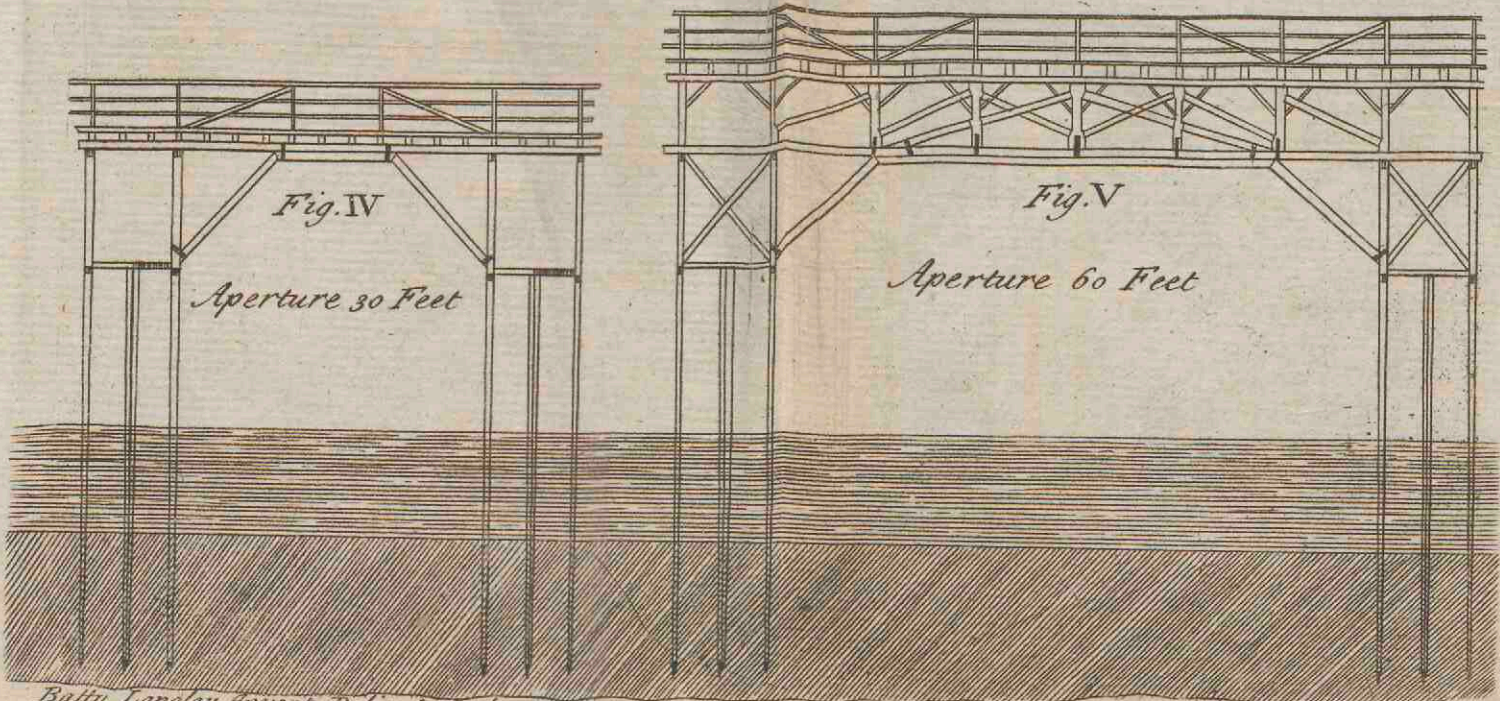
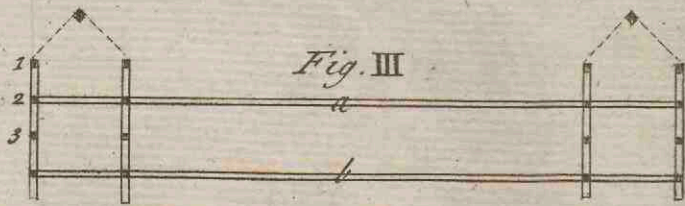
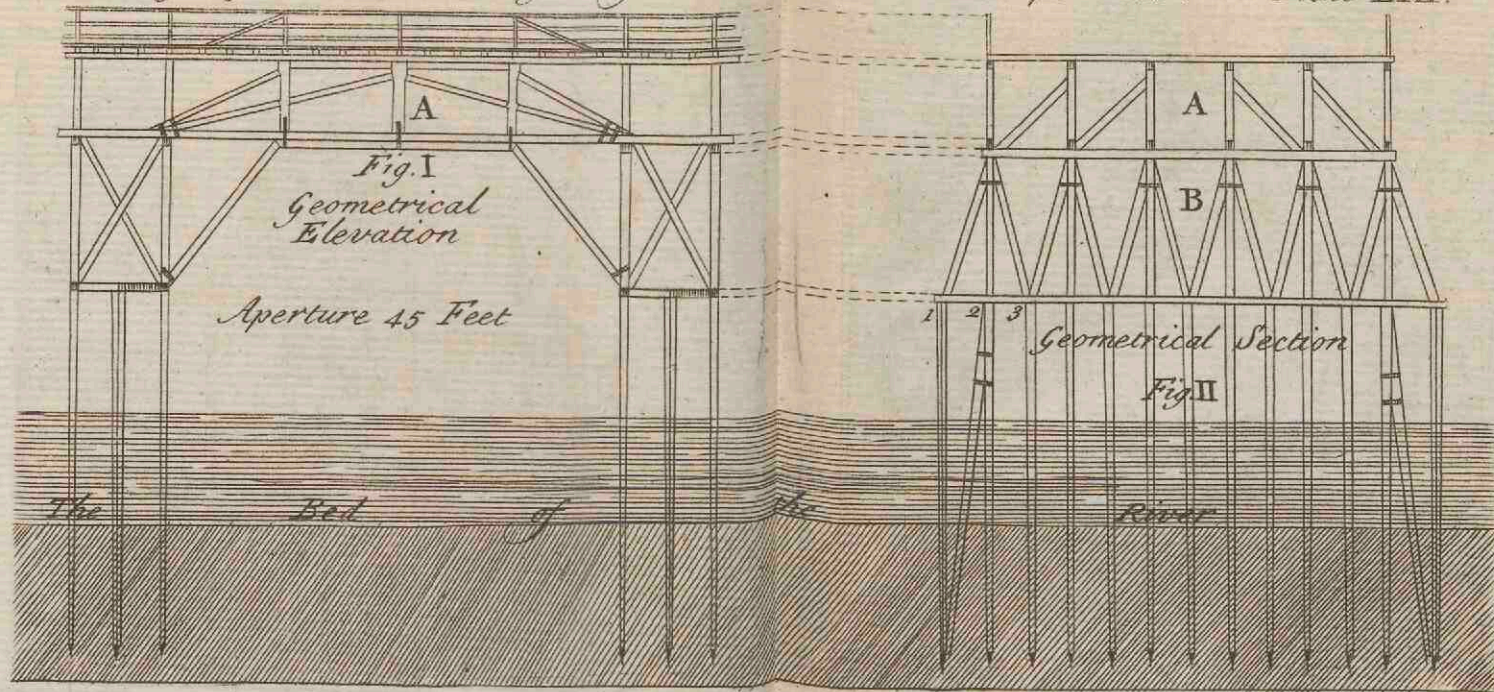


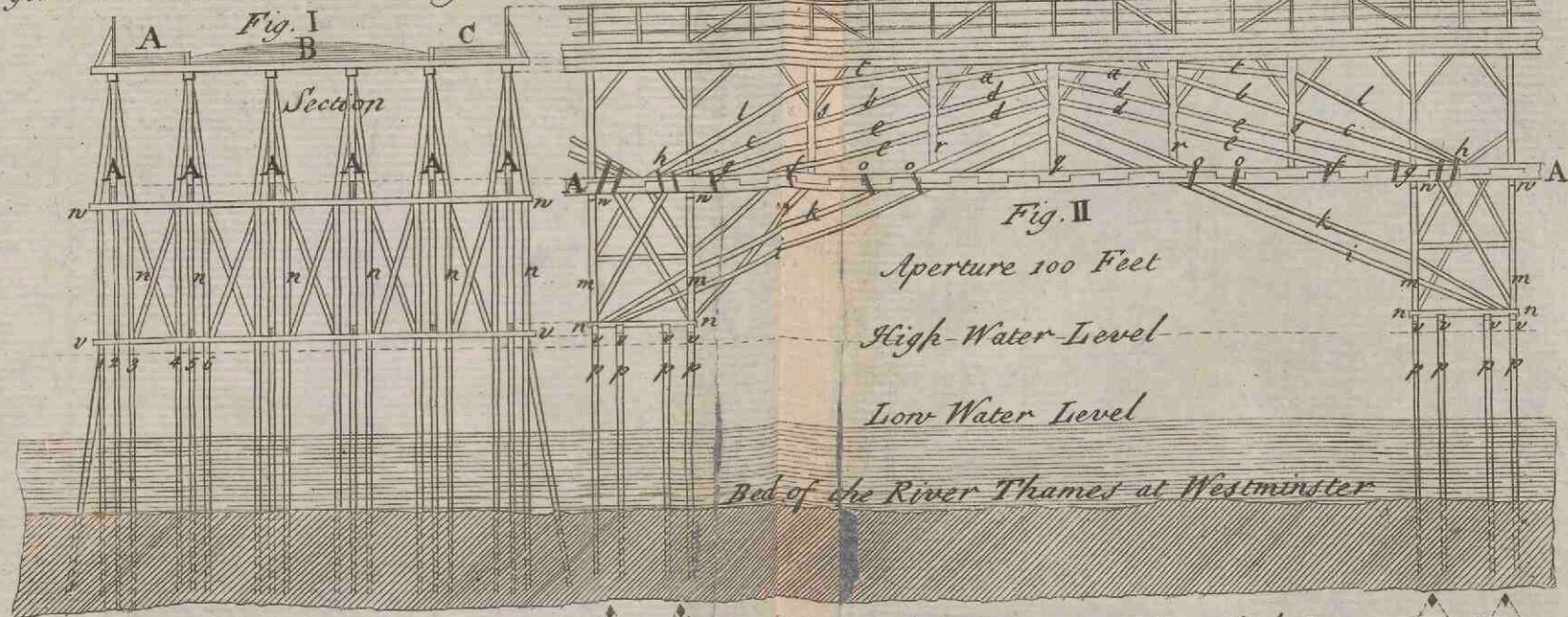
Batty Langley Invent. Delin. & Sculp. 1738.

Irregular Roofs in Ledgement Demonstrated



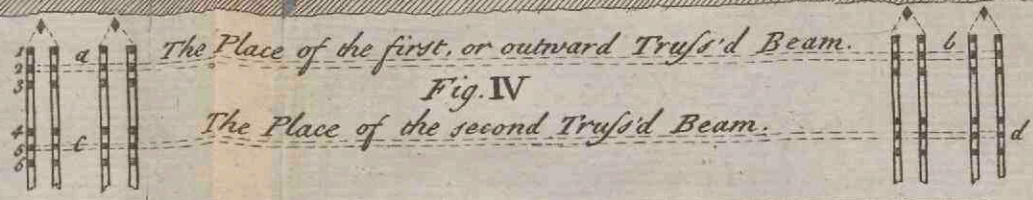
Batty Langley Invent. Delin. & Sculp. 1738.



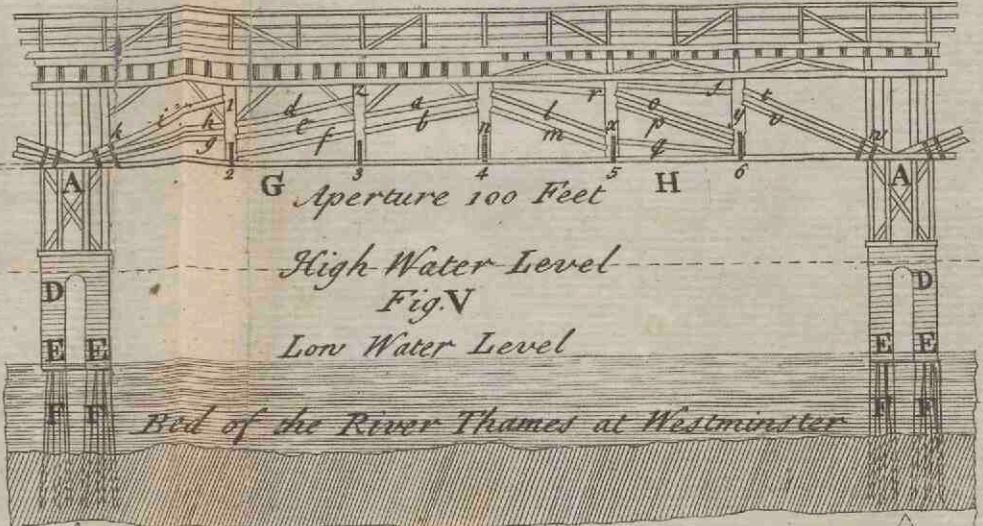
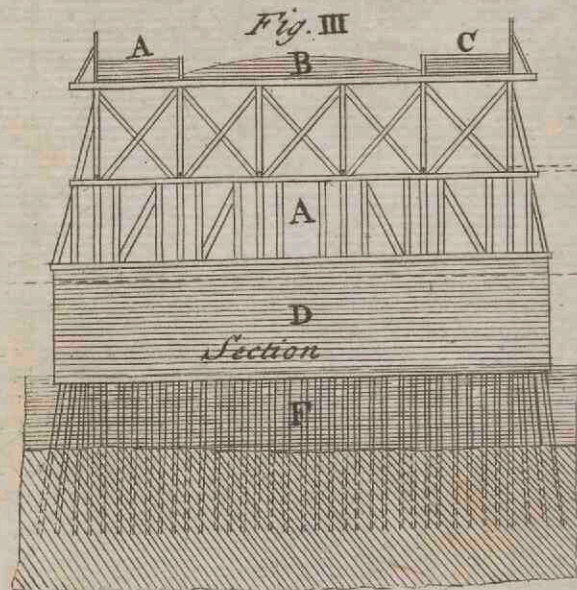


Aperture 100 Feet
 High Water Level
 Low Water Level

Bed of the River Thames at Westminster

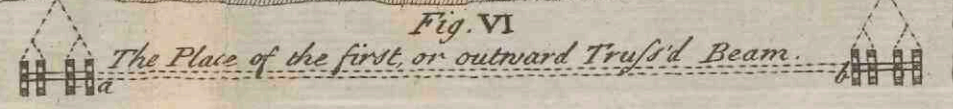


The Place of the first, or outward Truss'd Beam.
 Fig. IV
 The Place of the second Truss'd Beam.



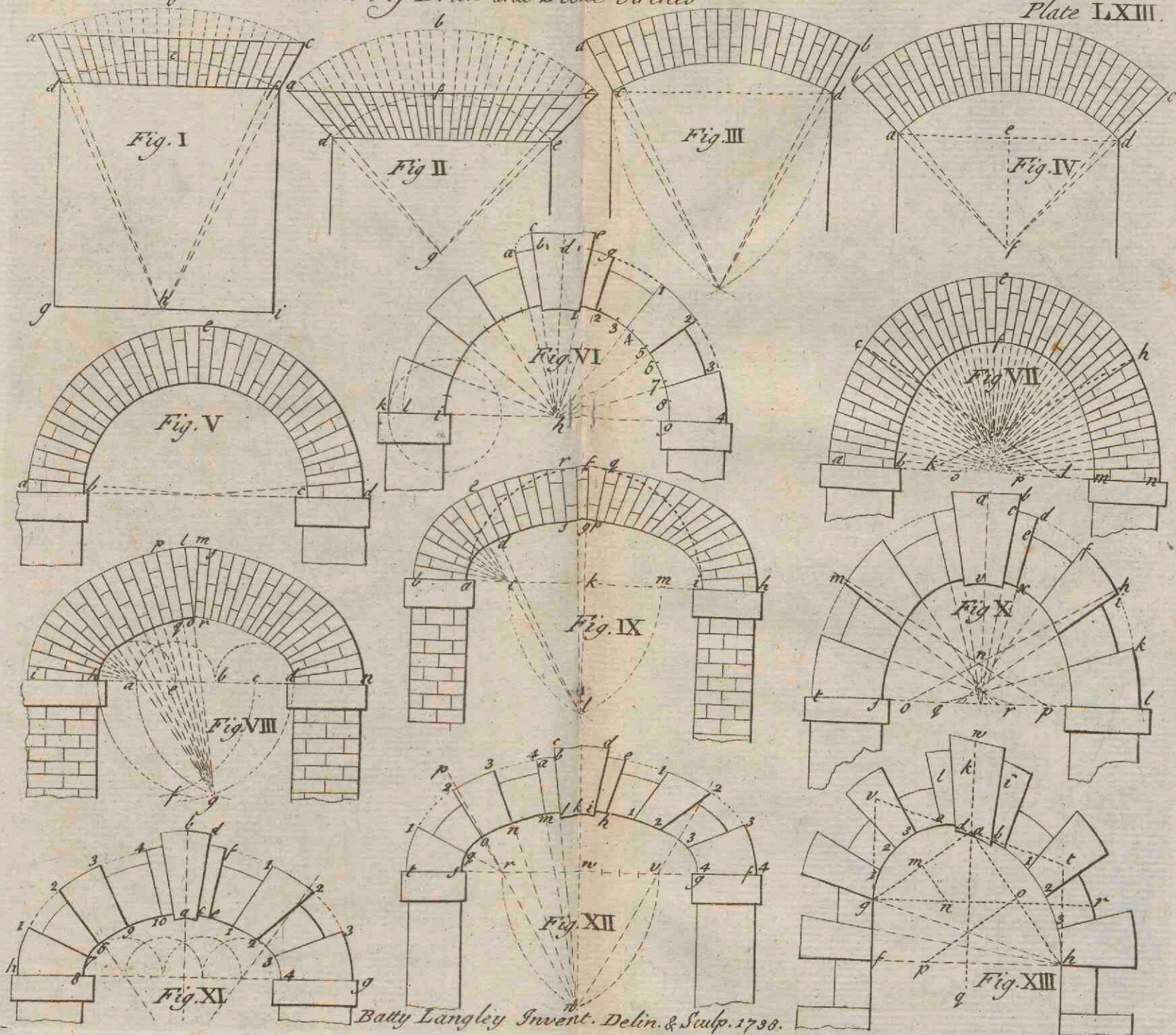
Aperture 100 Feet
 High Water Level
 Fig. V
 Low Water Level

Bed of the River Thames at Westminster

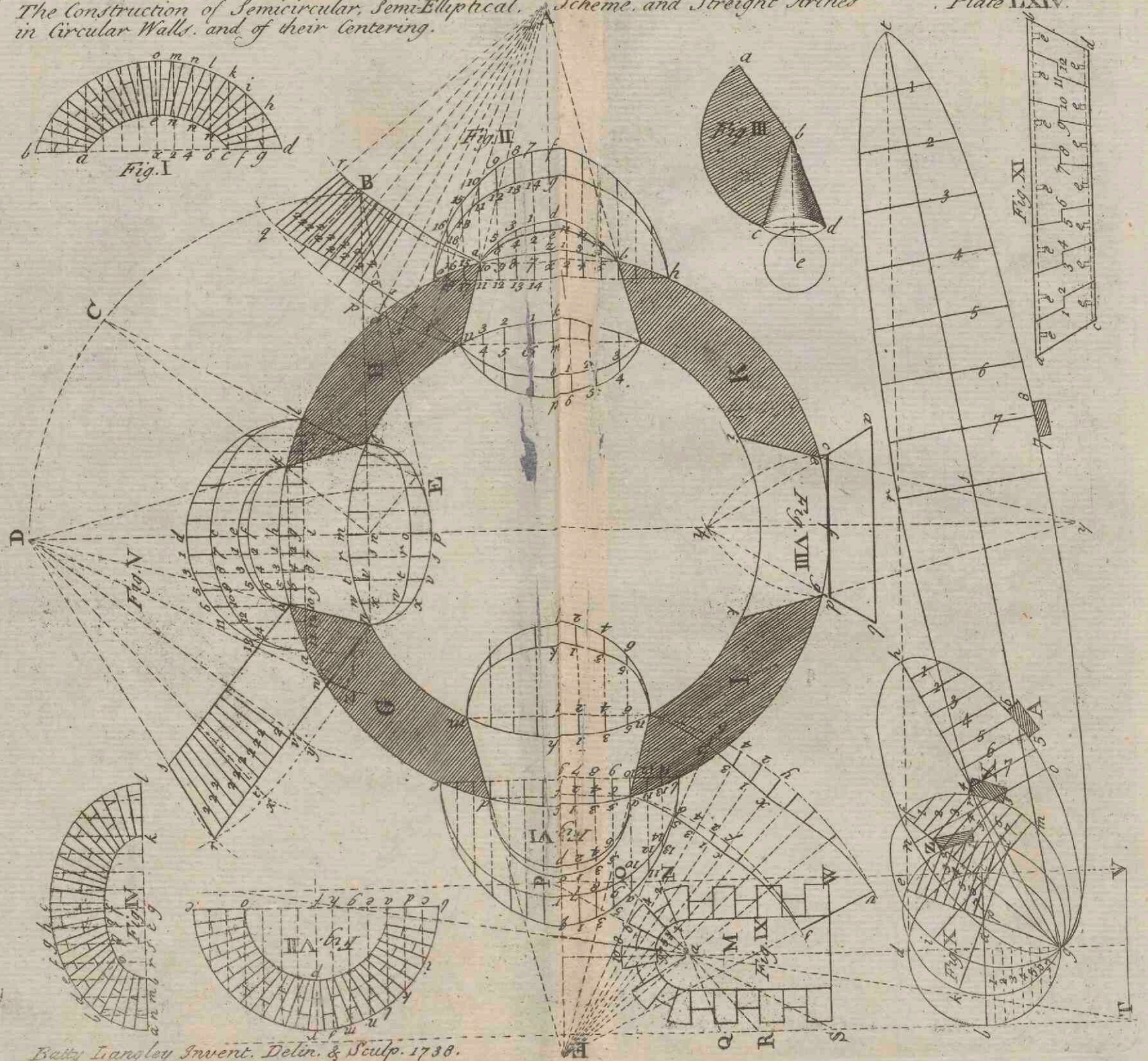


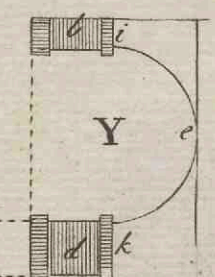
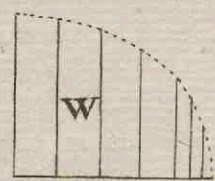
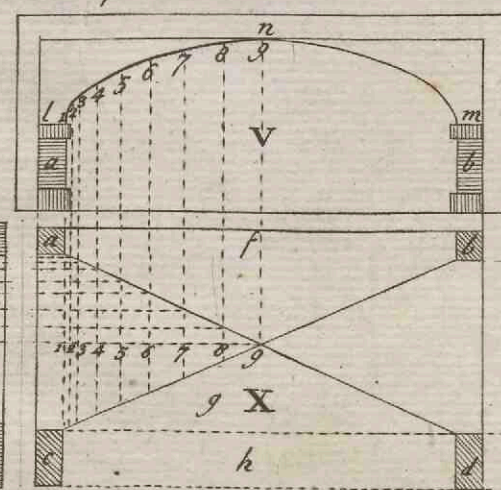
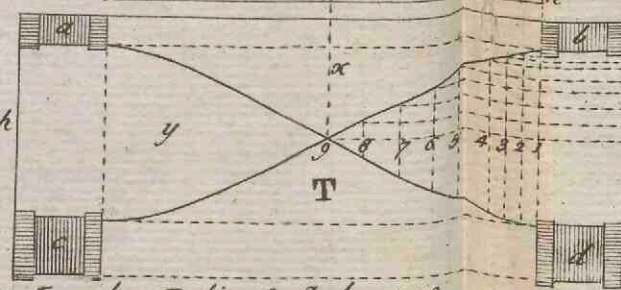
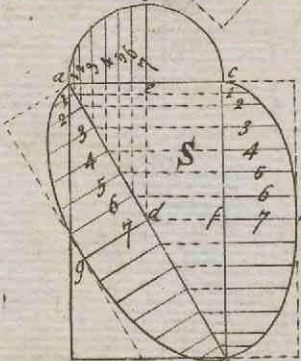
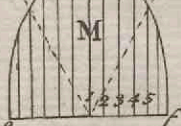
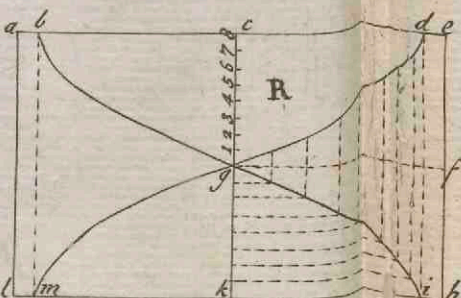
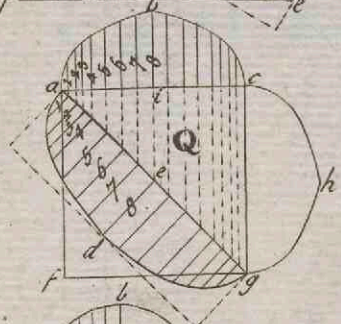
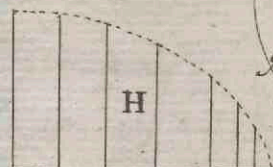
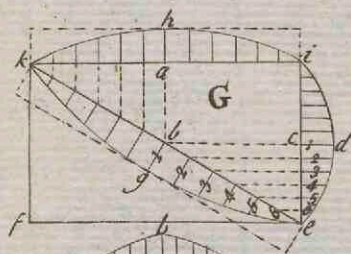
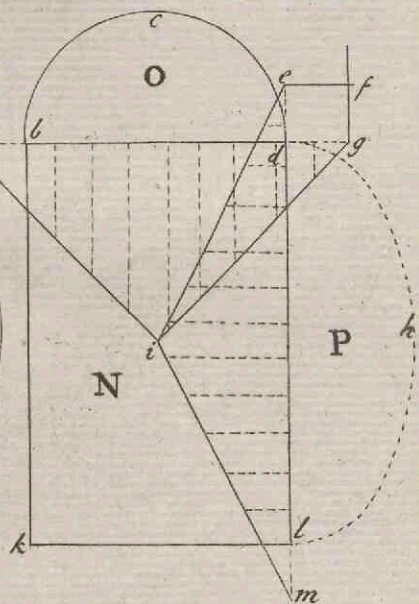
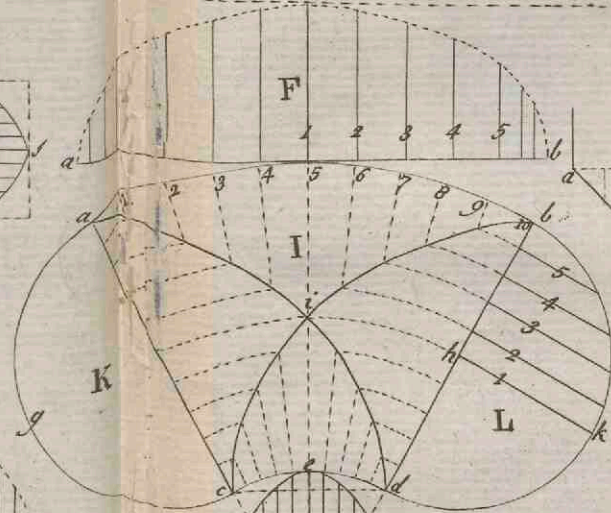
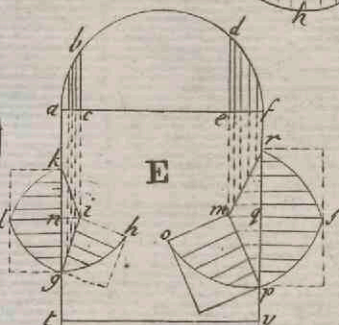
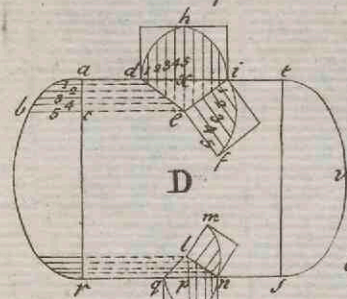
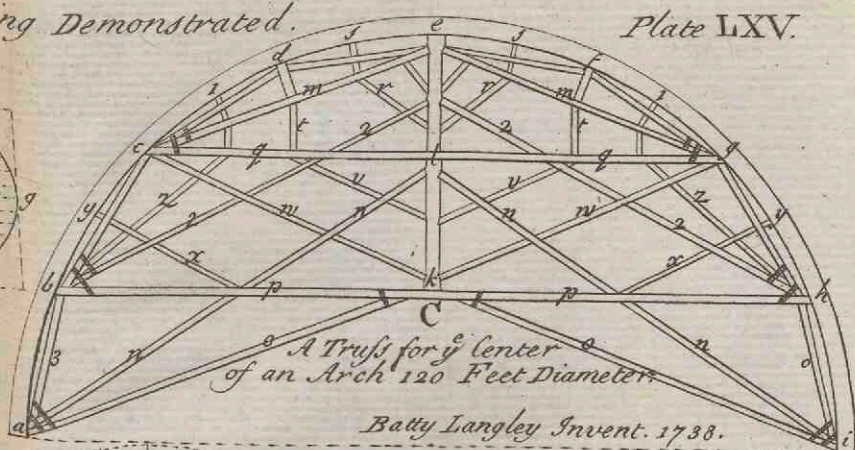
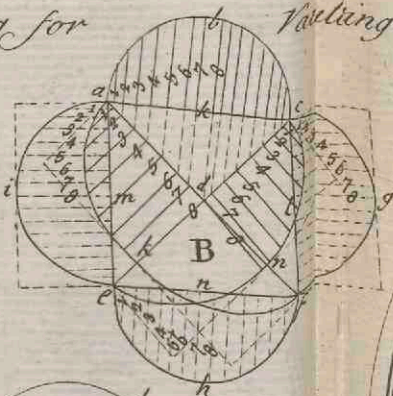
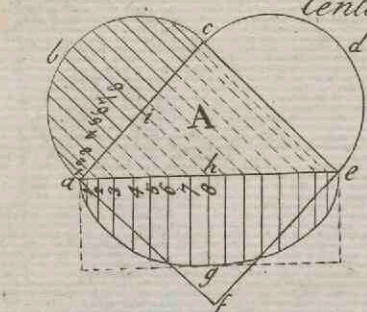
The Place of the first, or outward Truss'd Beam.
 Fig. VI

The Construction of Brick and Stone Arches

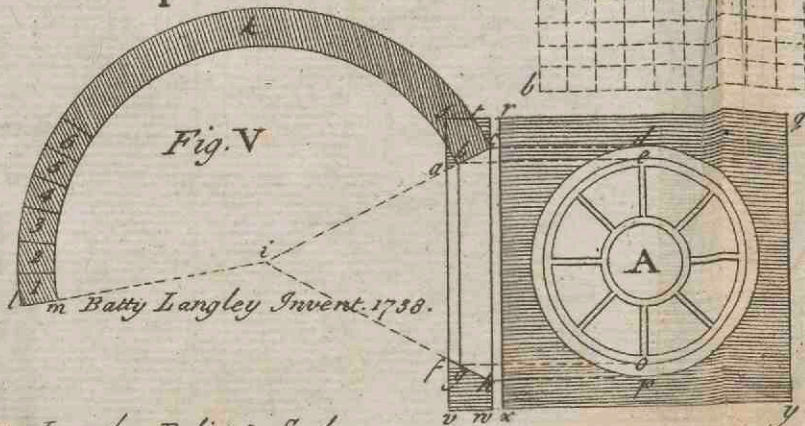
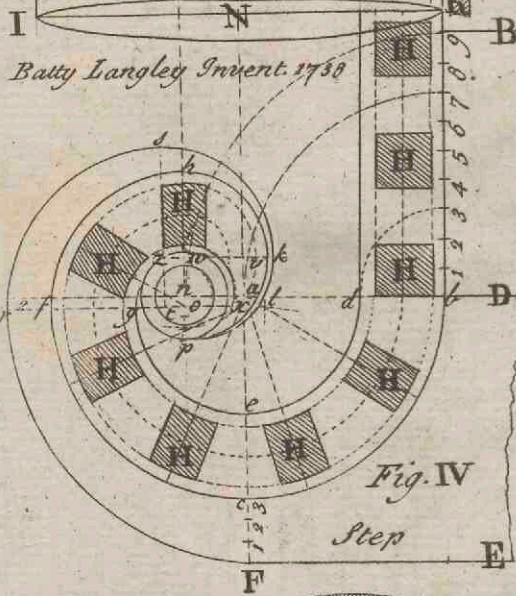
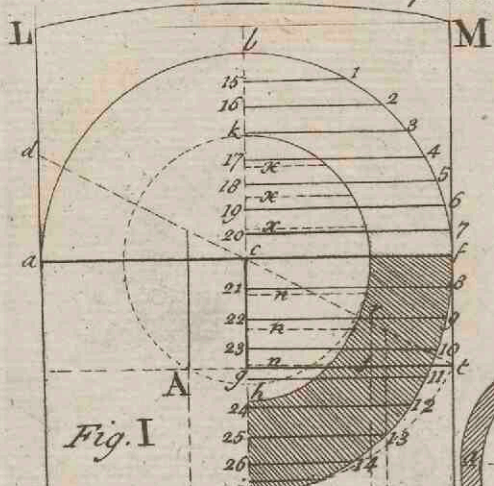


The Construction of Semicircular, Semi-Elliptical, Scheme, and Straight Arches
 in Circular Walls, and of their Centering.

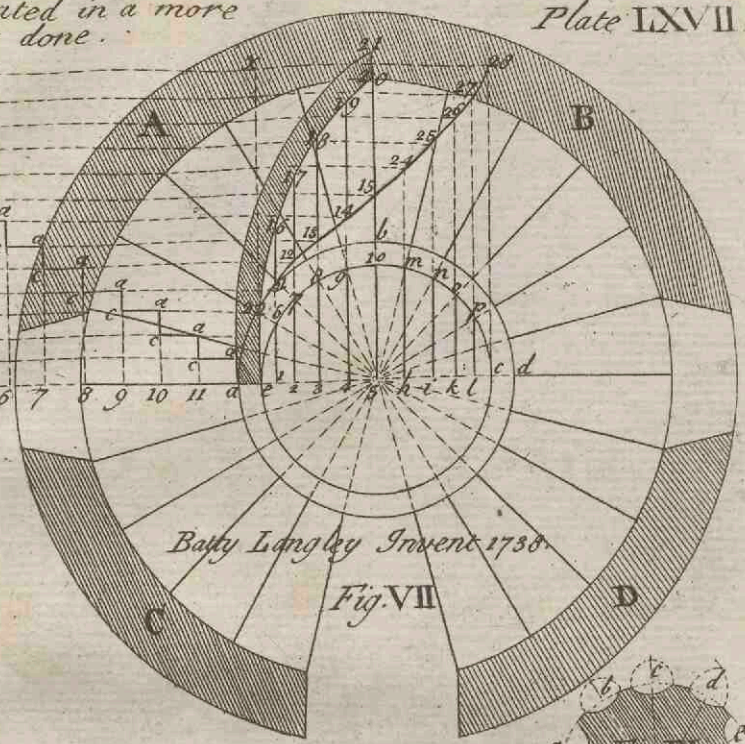
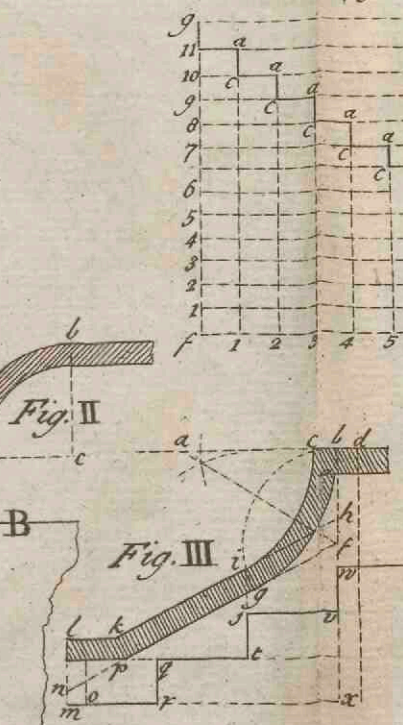




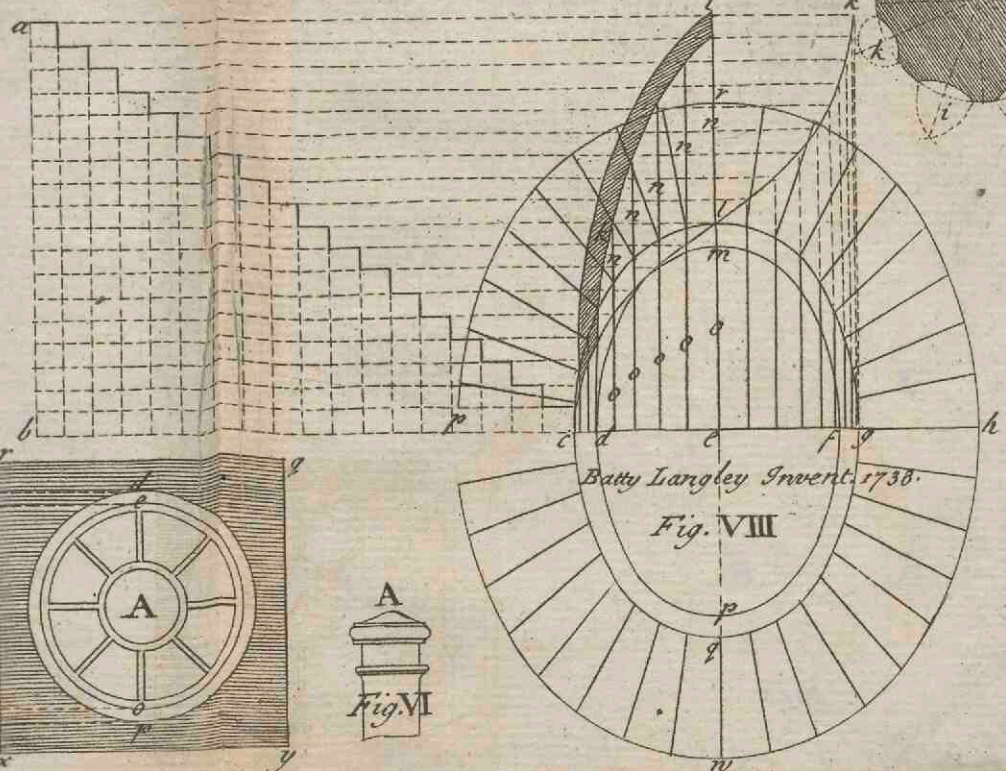
The Construction of Ramped & Twisted Rails Demonstrated in a more plain Manner than has been yet done.



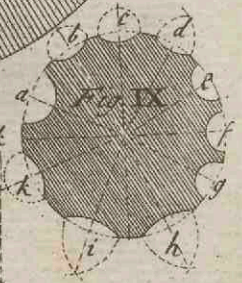
Batty Langley Delin & Sculp. 1738.



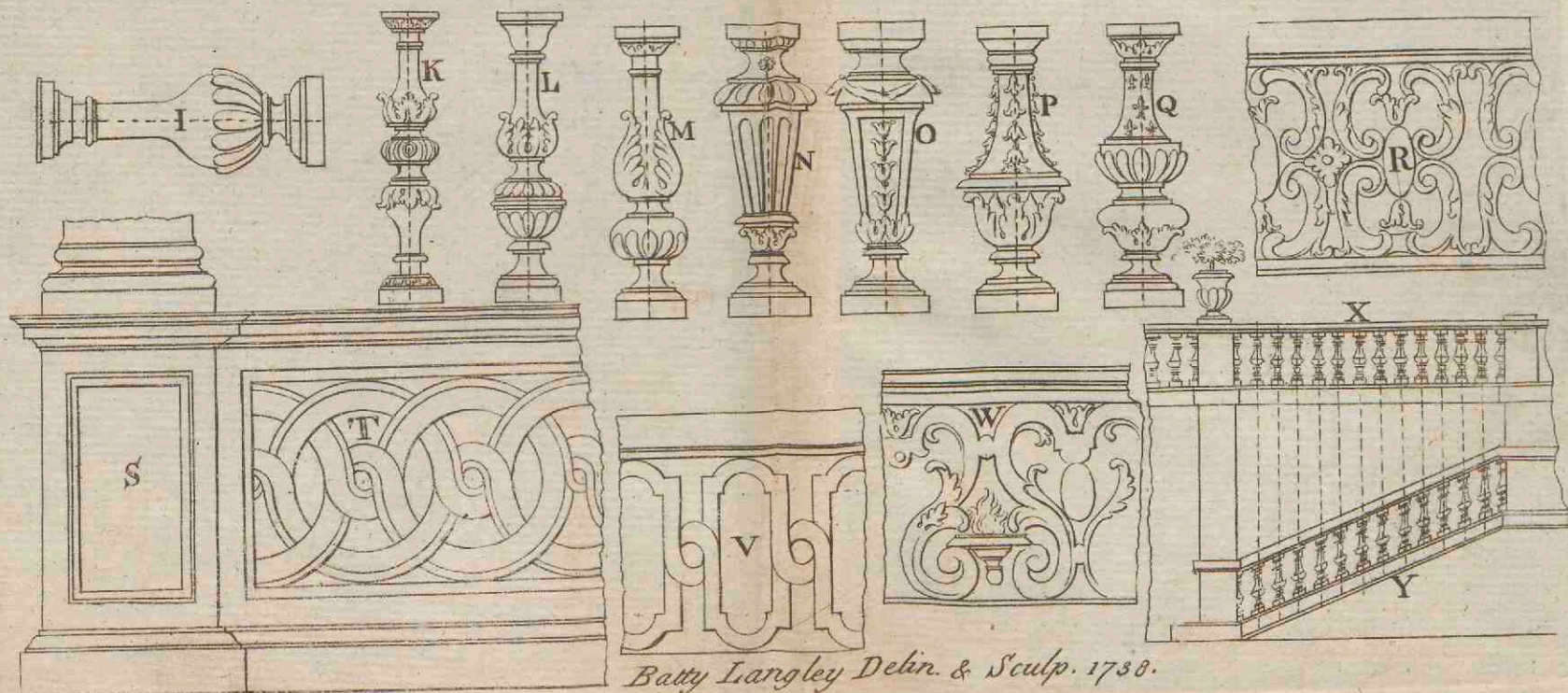
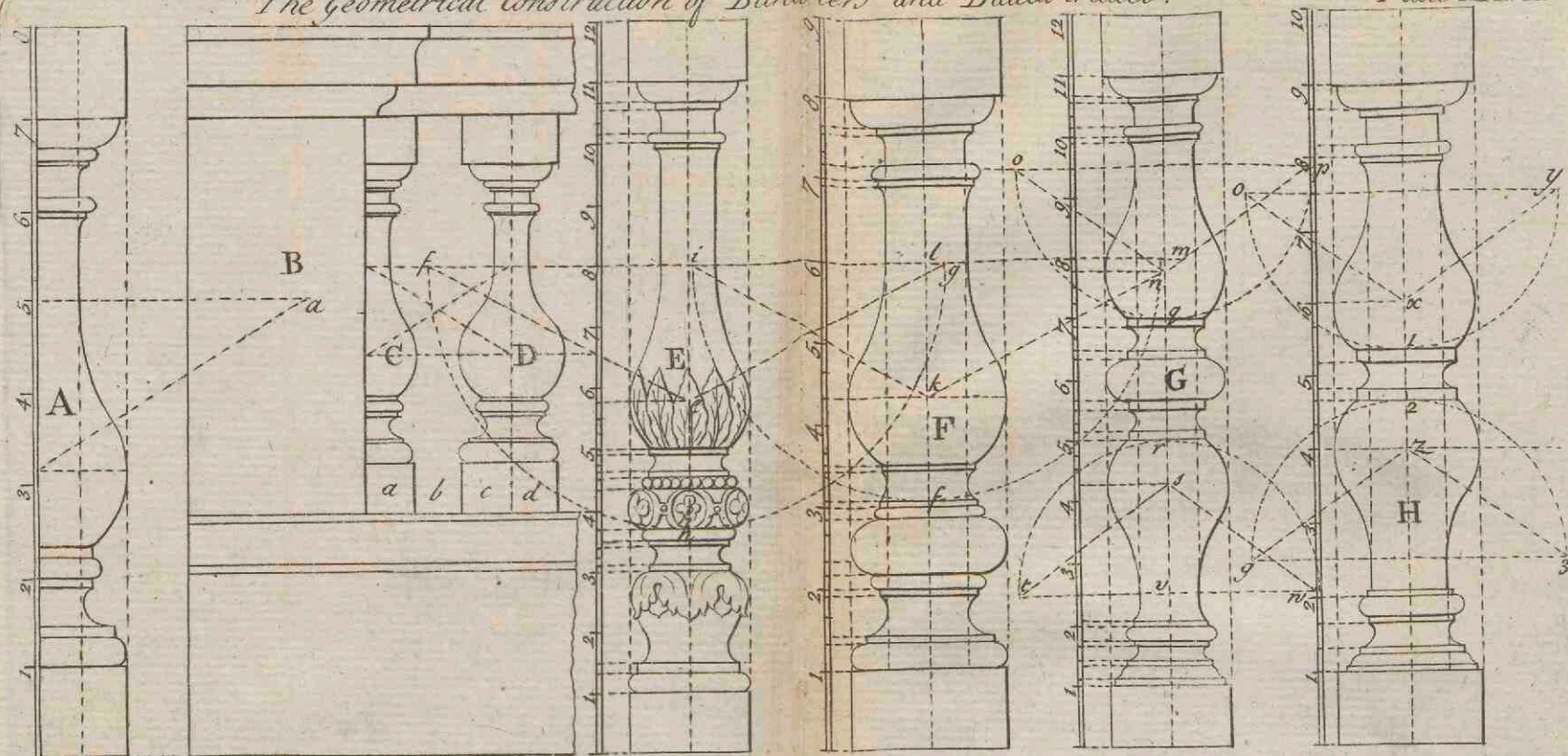
Batty Langley Invent. 1738.

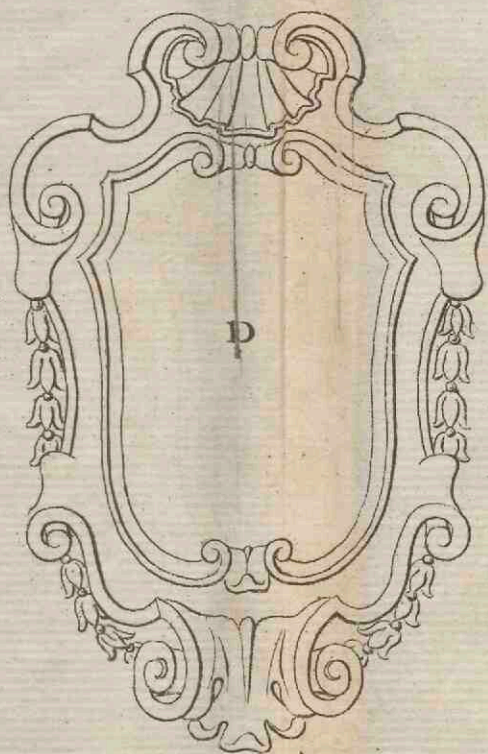
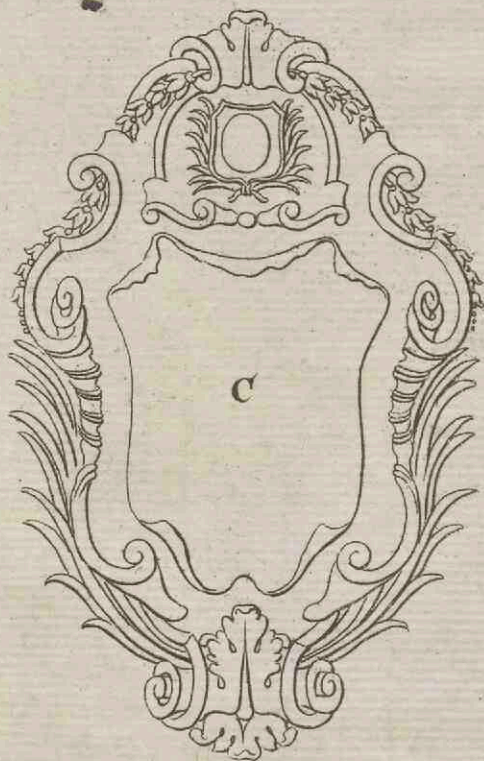
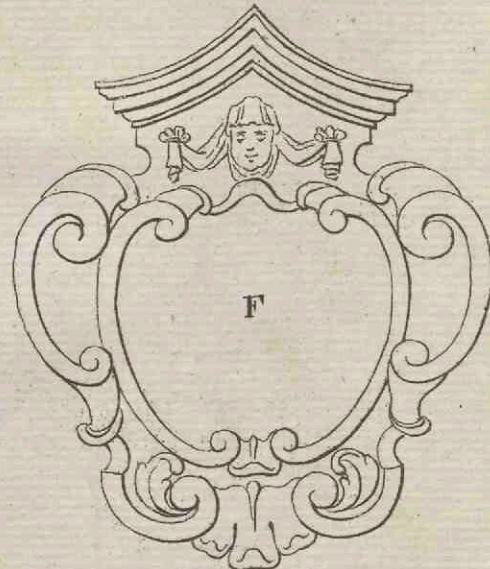
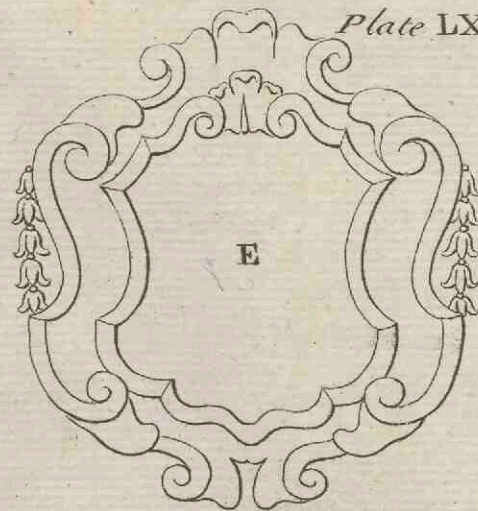
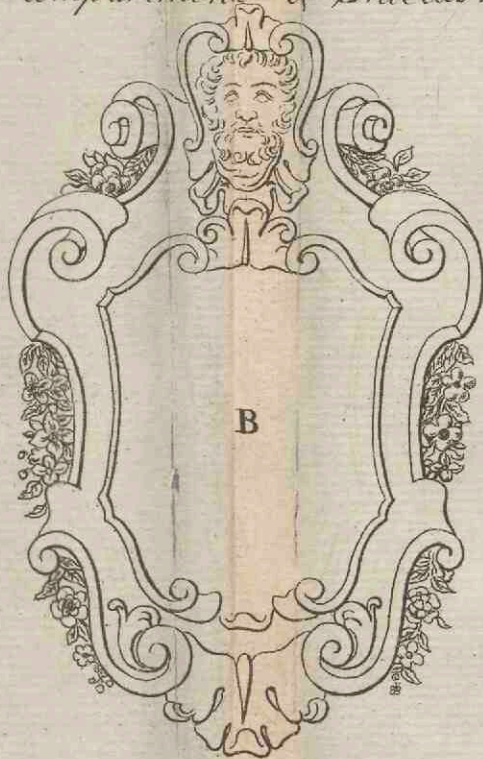
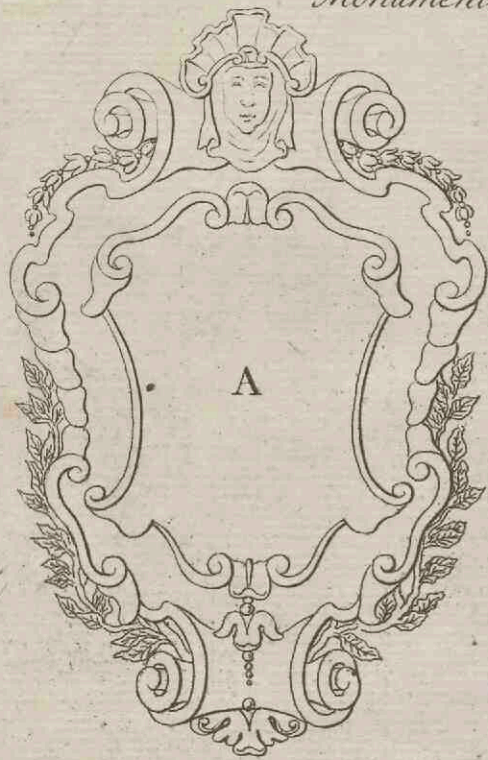


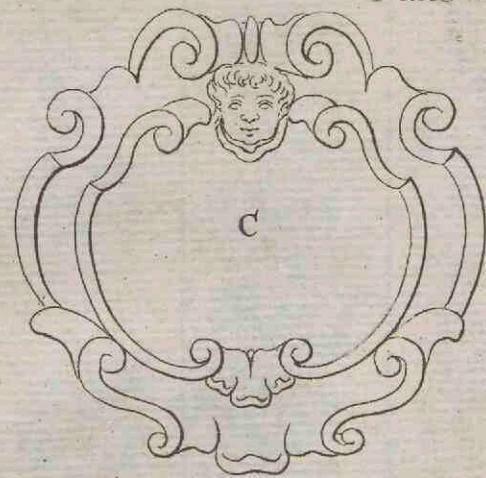
Batty Langley Invent. 1738.

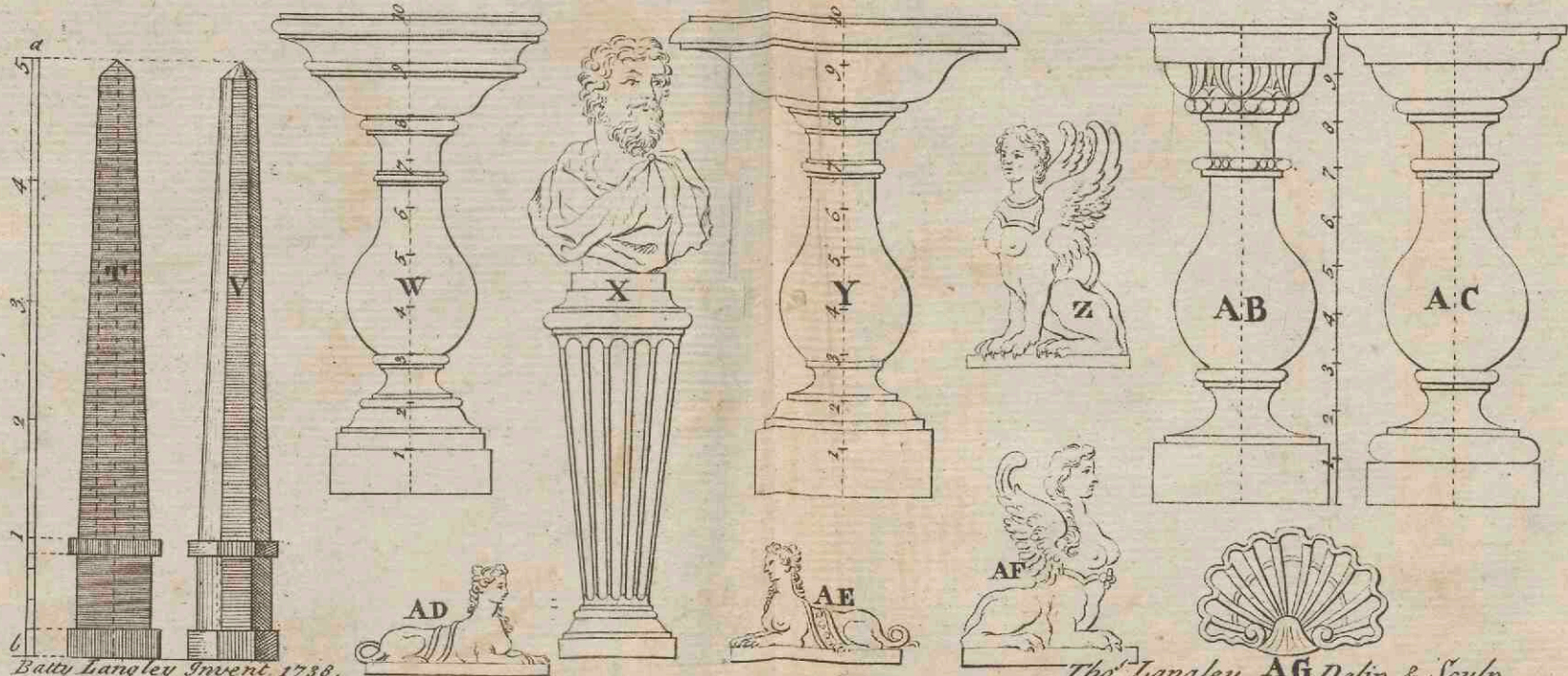
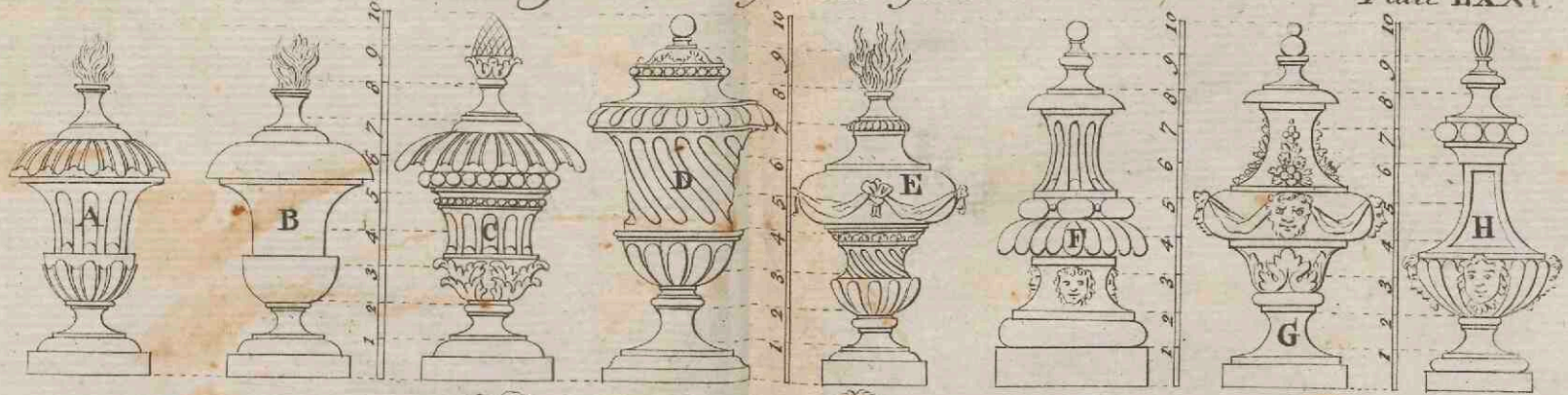


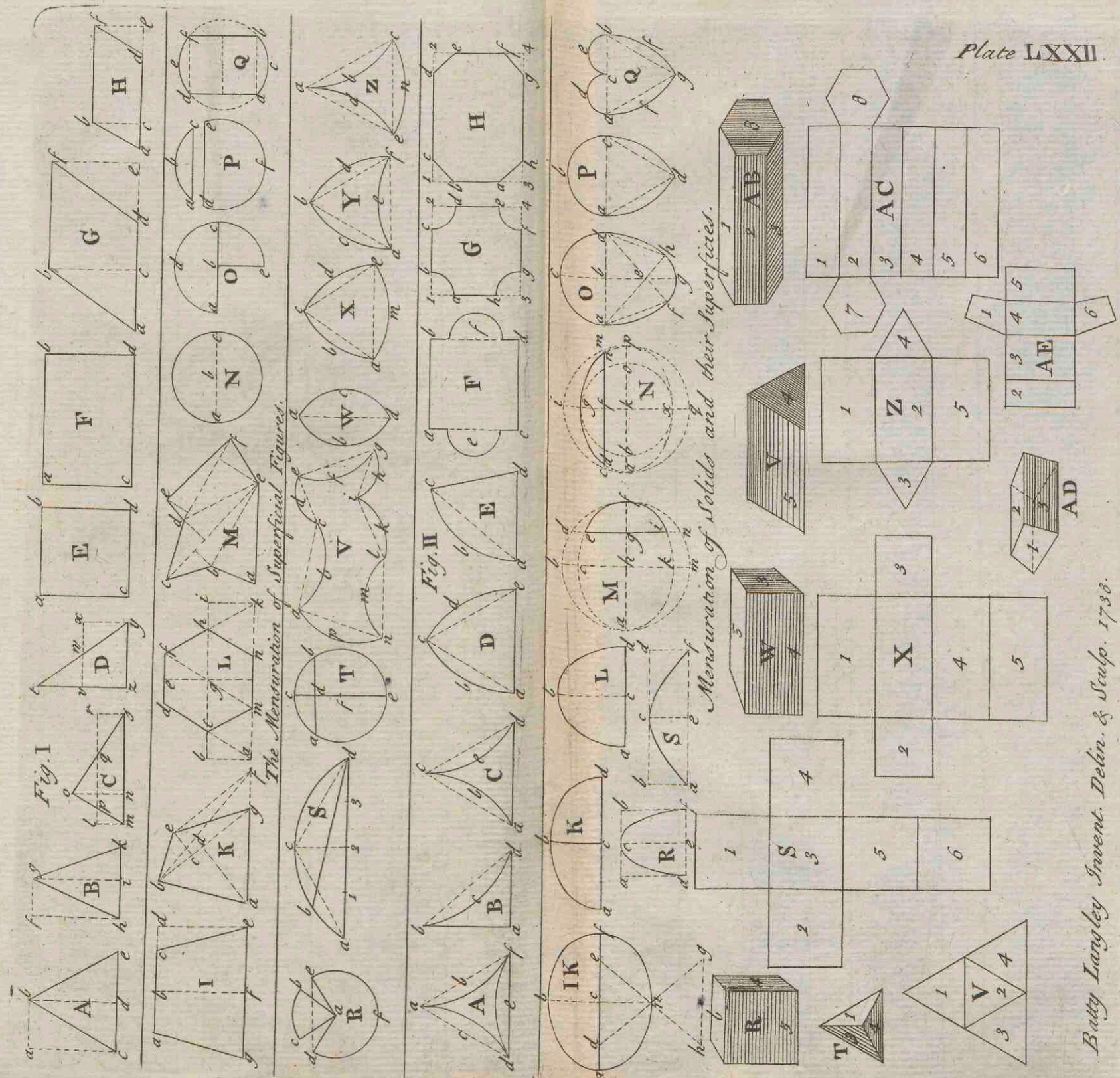
The Geometrical Construction of Banisters and Ballustrades.





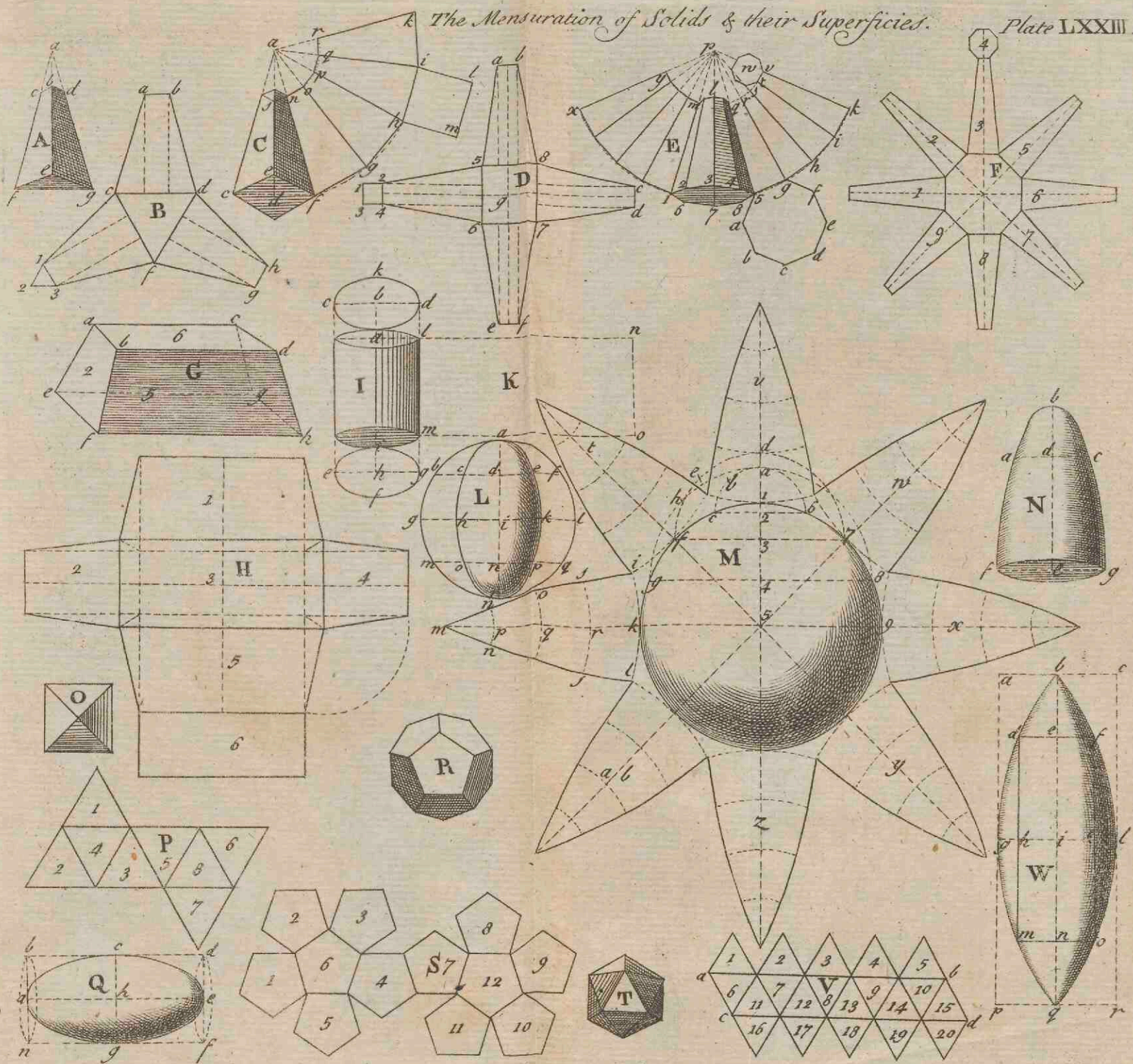


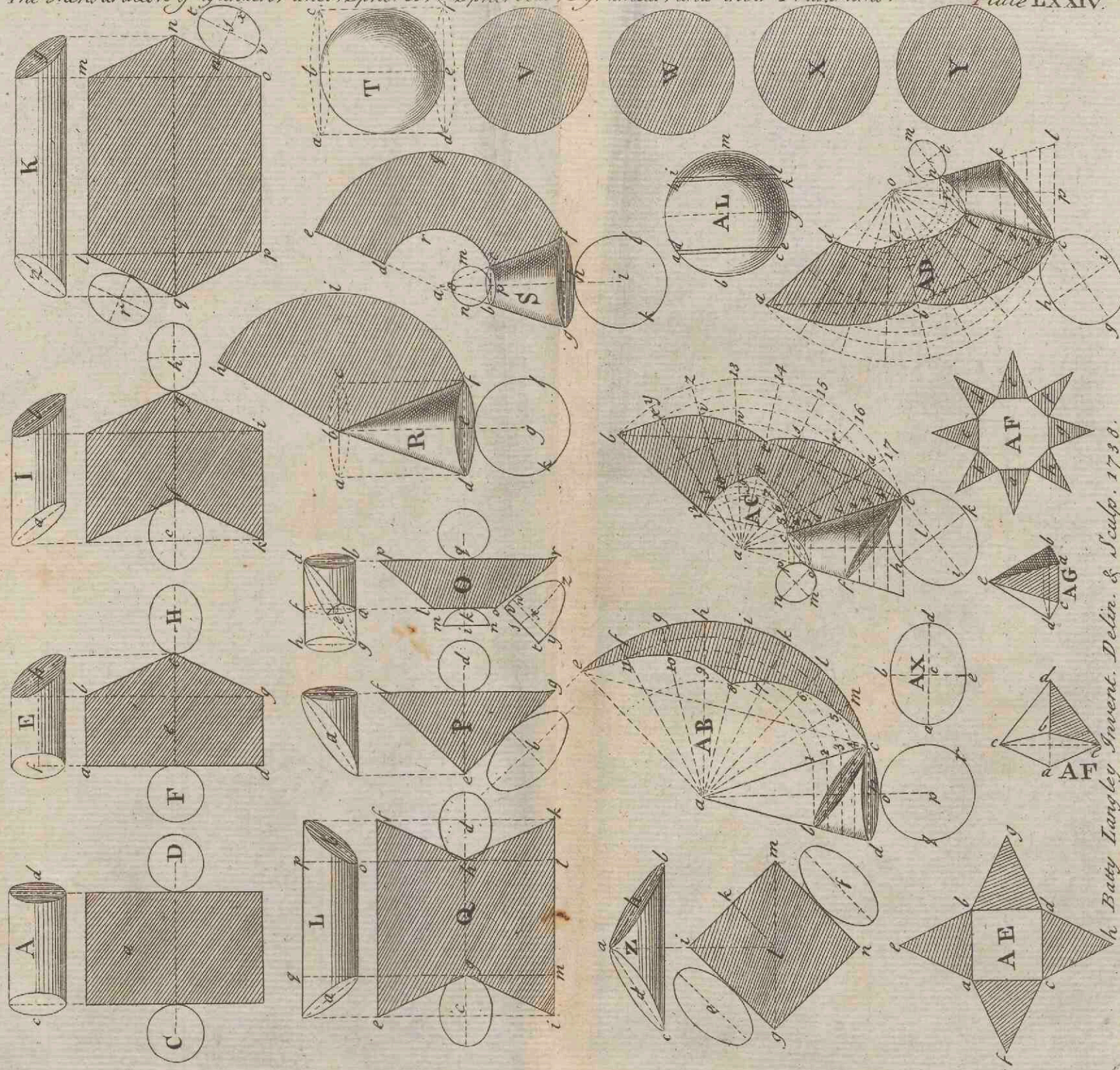




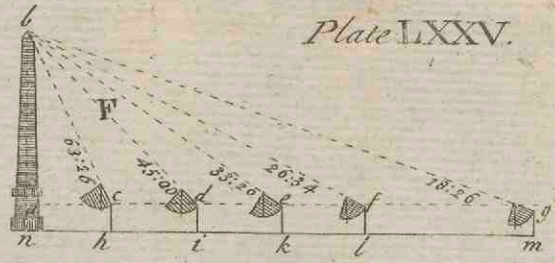
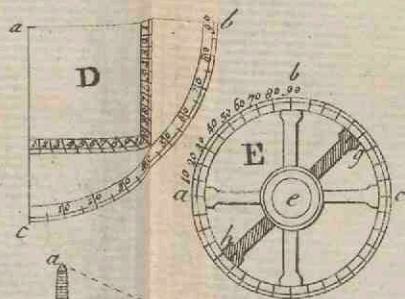
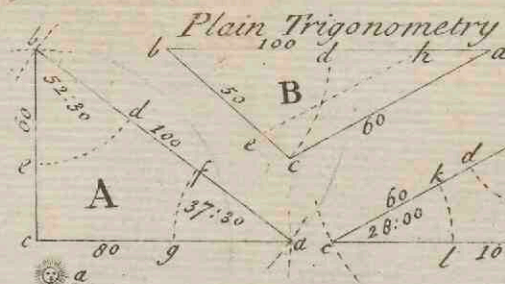
The Mensuration of Superficial Figures.

Mensuration of Solids and their Superficies.

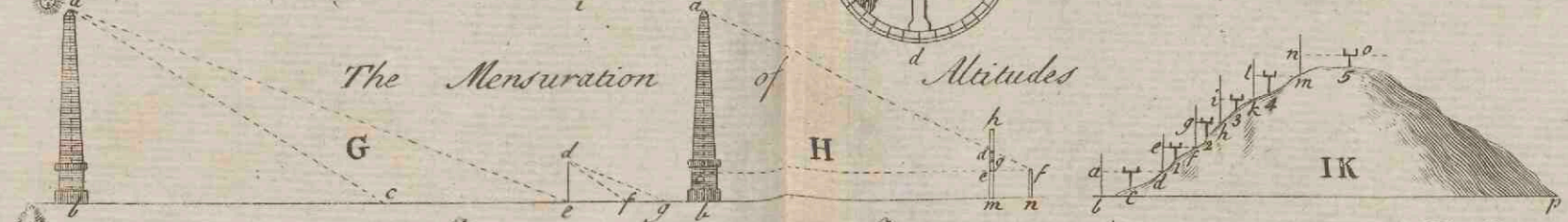




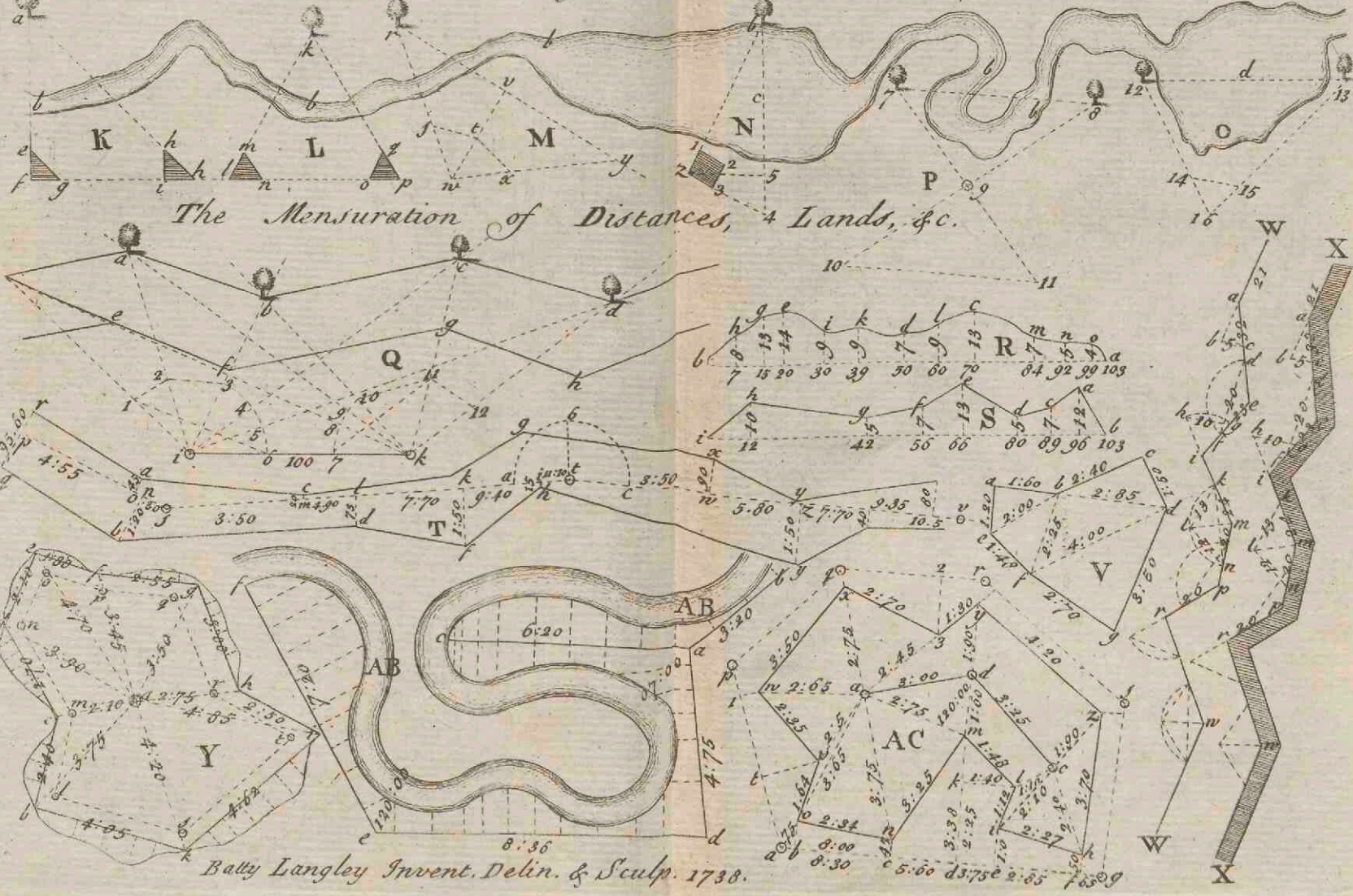
h. Batty Langley Invent. Delin. & Sculp. 1730.



The Mensuration of Altitudes



The Mensuration of Distances, & Lands, &c.



Mechanick Powers.

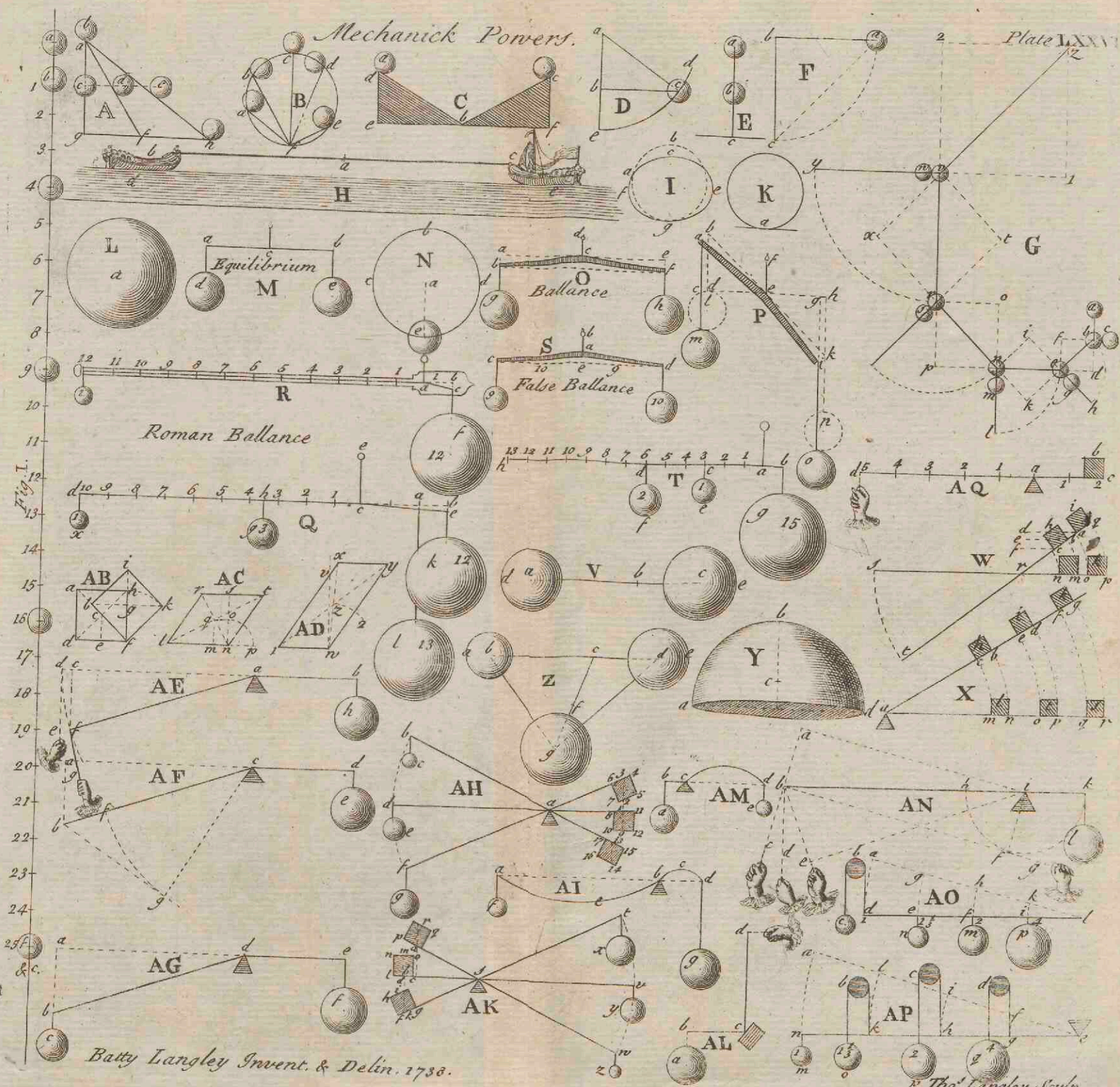
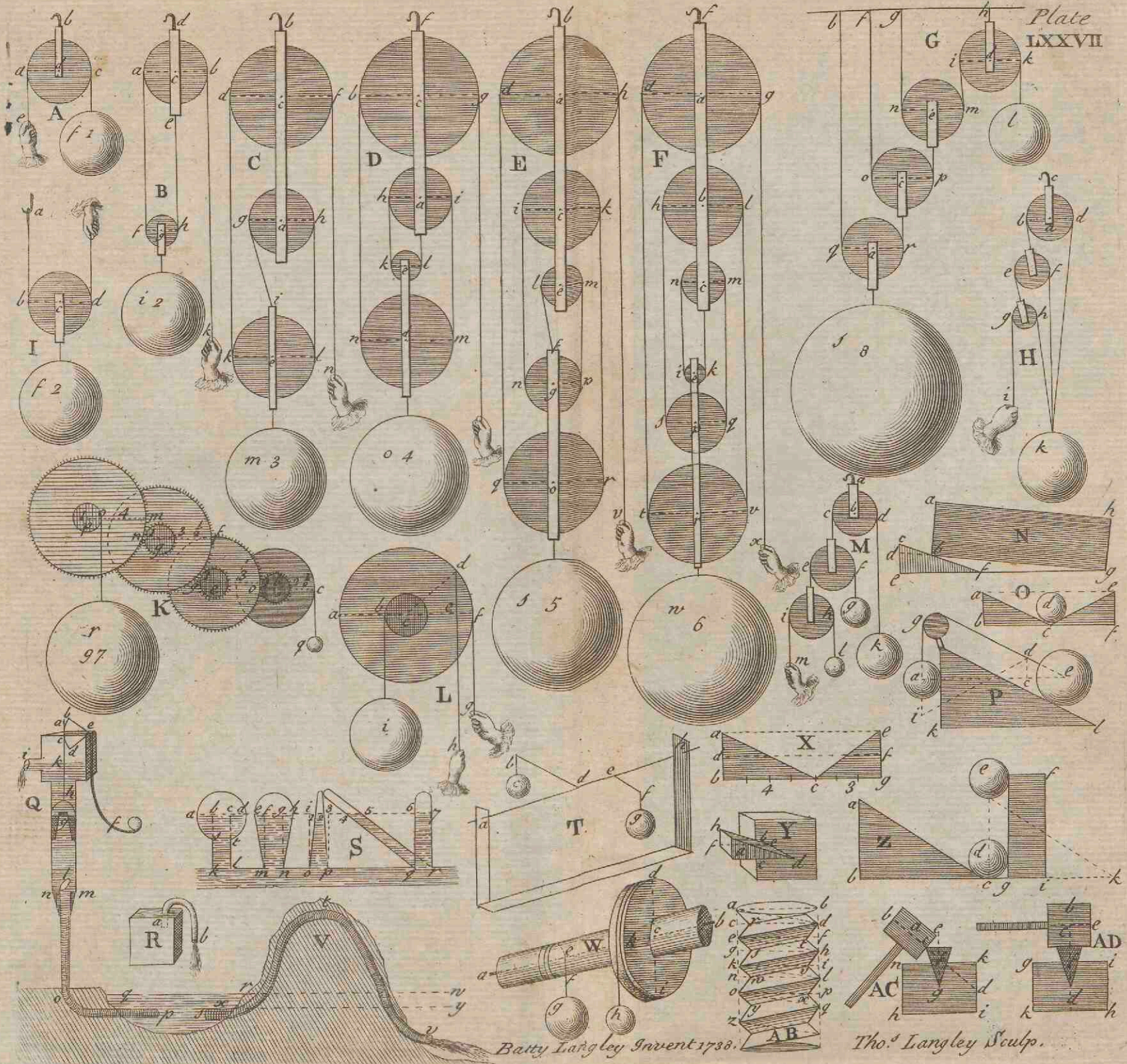


Fig. I.

Batty Langley Invent. & Delin. 1730.

The Langley Sculp.



Batty Langley Invent 1738.

Tho. Langley Sculp.