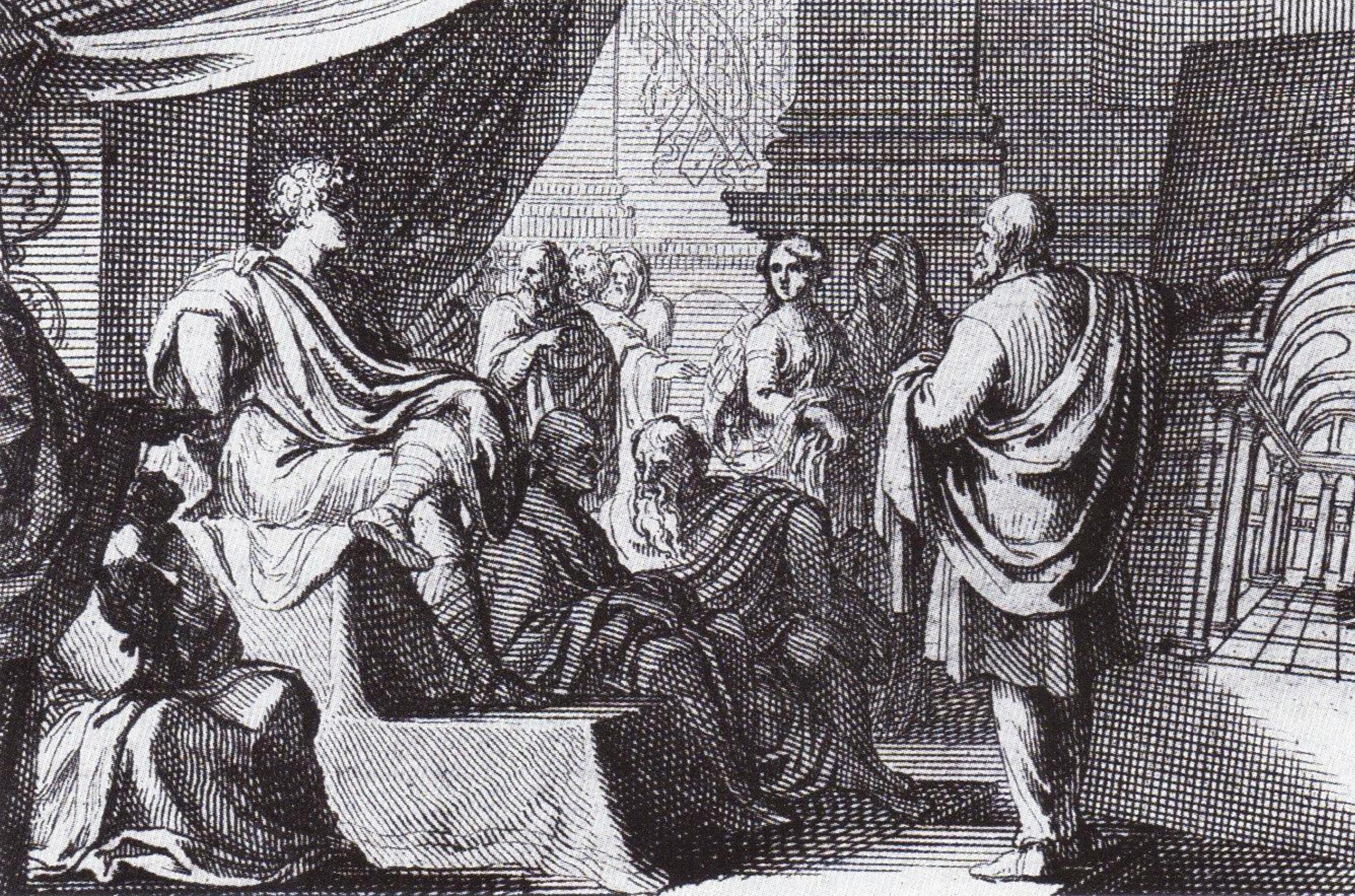
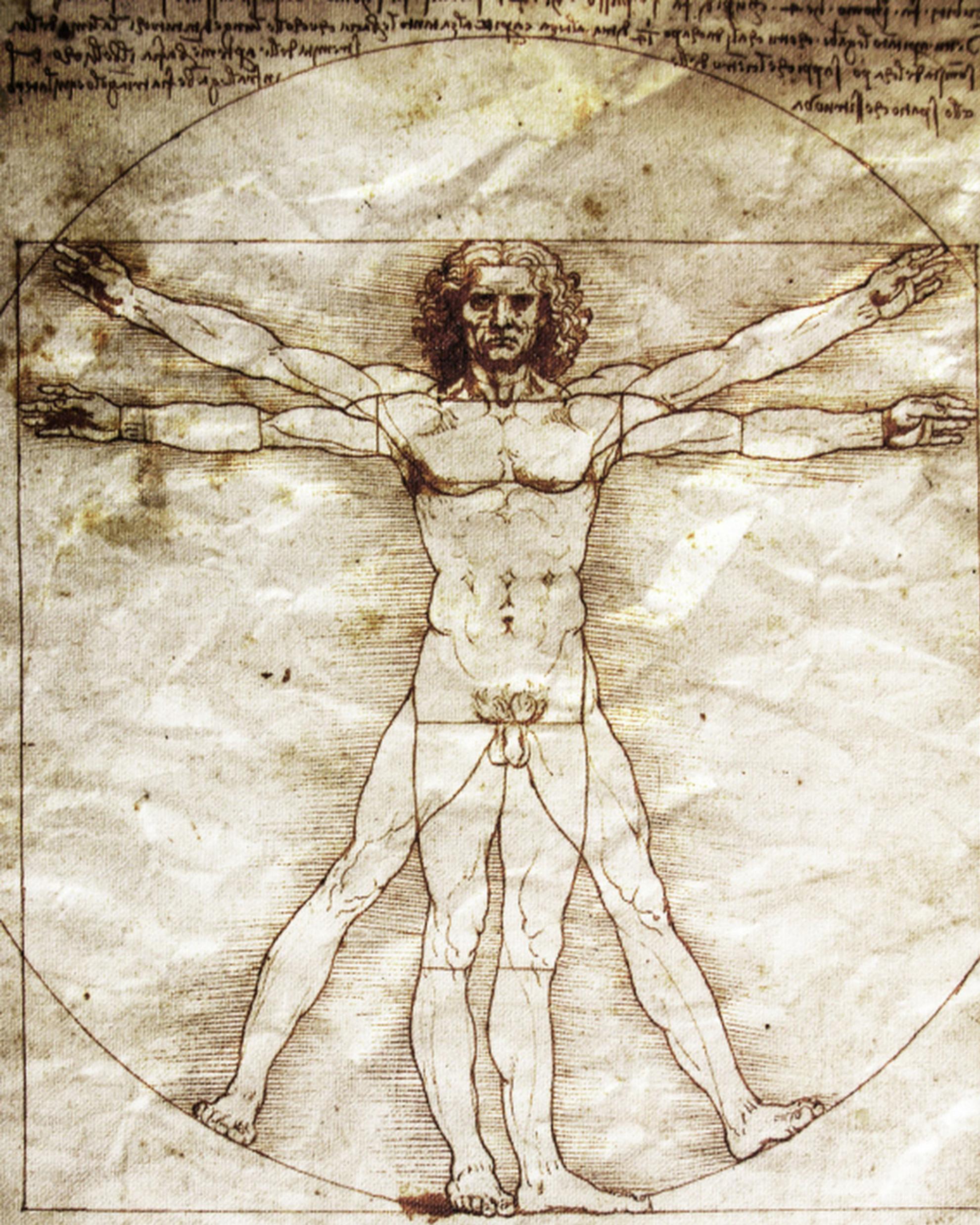


is and always will be // theoria the og

theoria = contemplation



Vitruvius



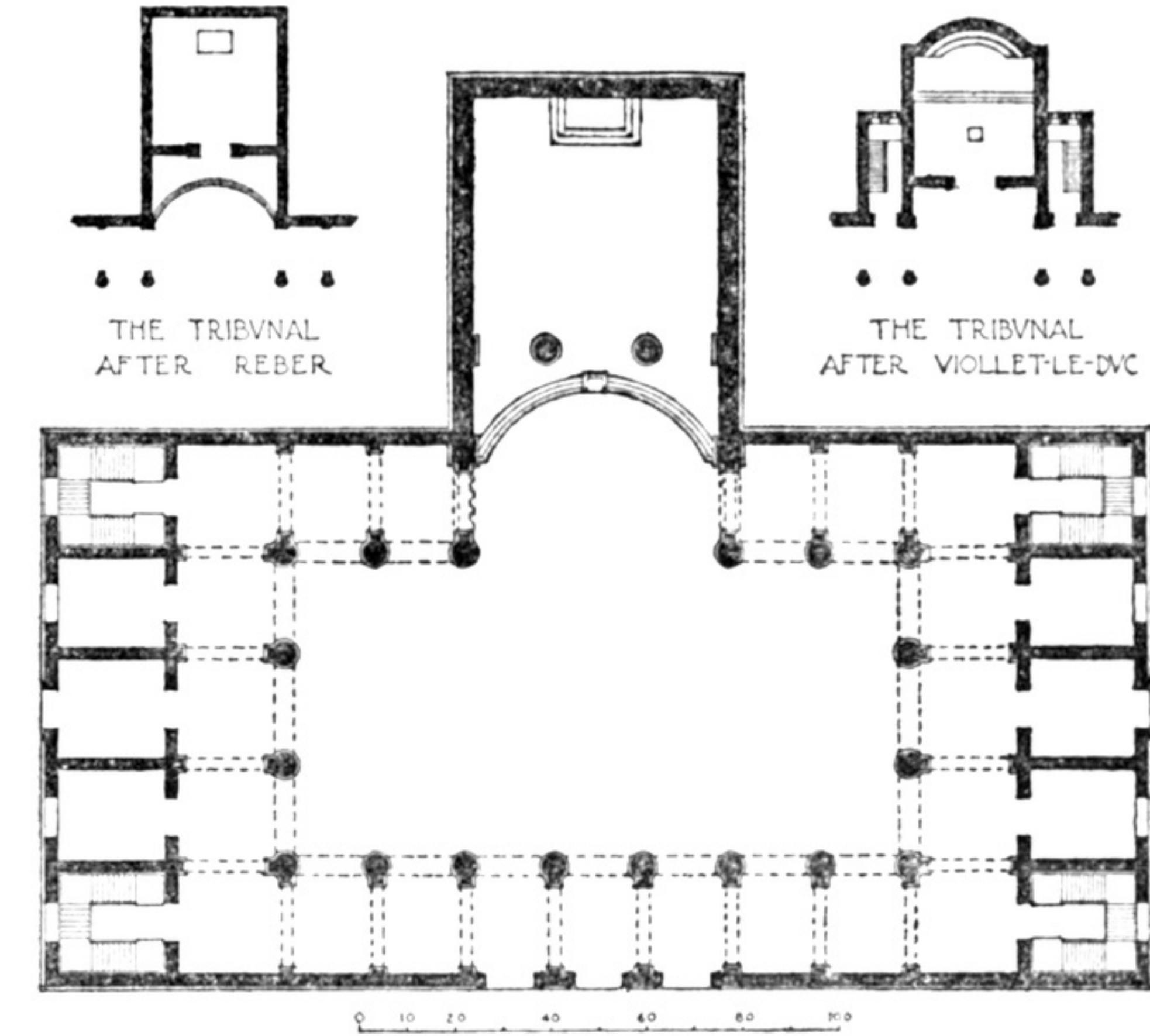
Vitruvian Man, Leonardo Da Vinci

Firmitas, Utilitas, Venustas

“STRENGTH, UTILITY, BEAUTY”

or

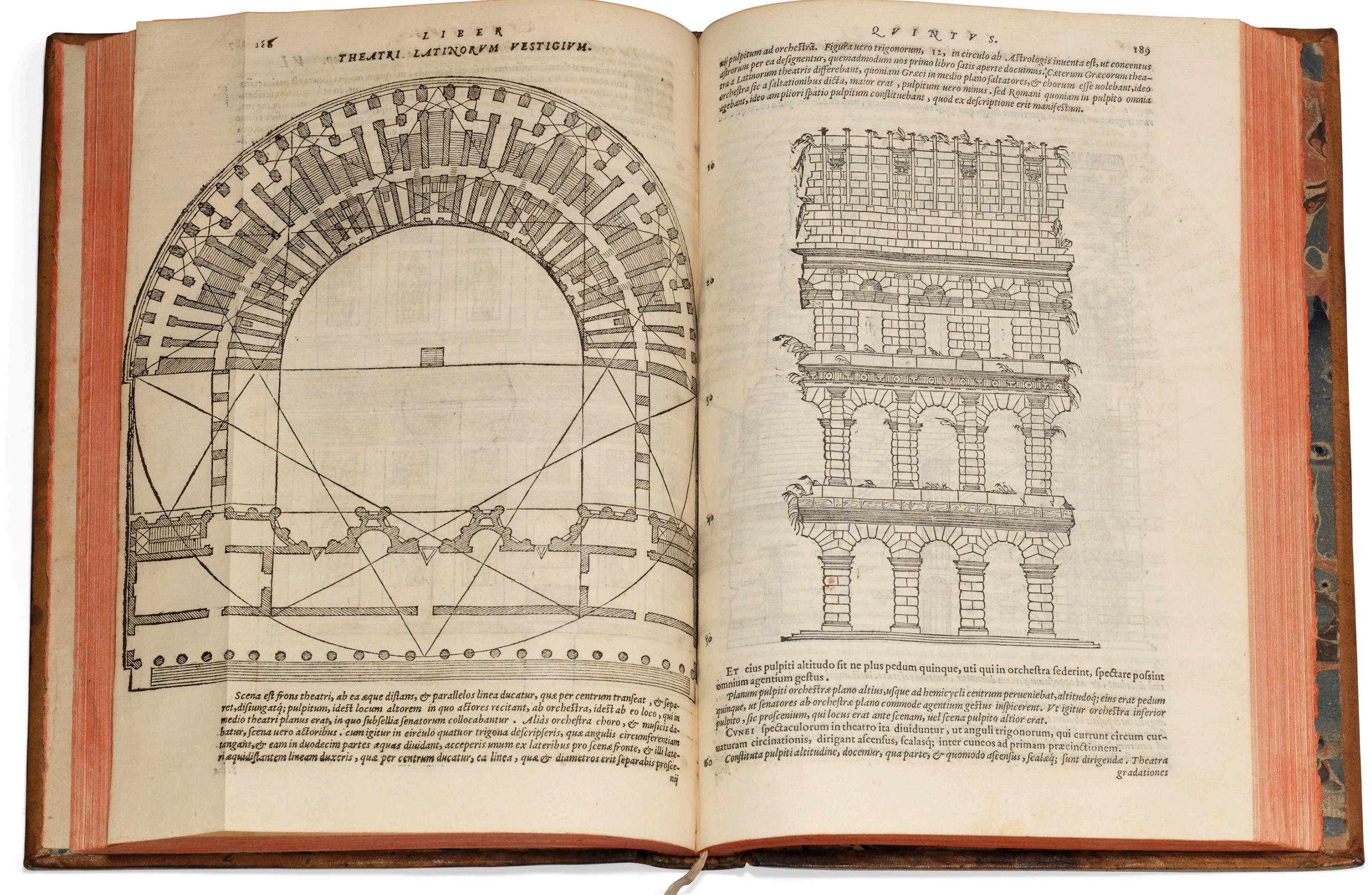
“FIRMNESS, COMMODITY, DELIGHT”



VITRUVIUS' BASILICA AT FANO

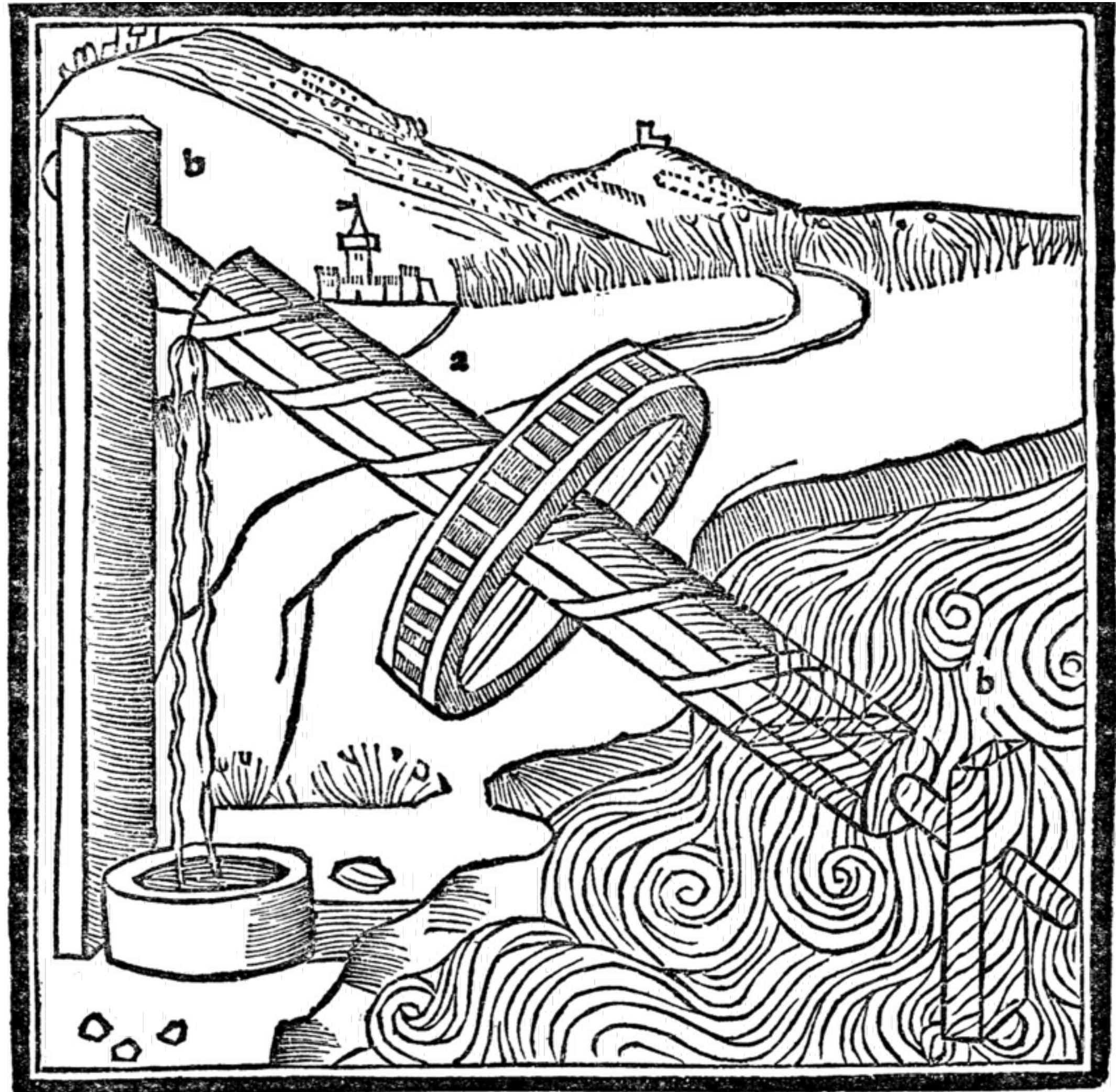
De Architectura

"TEN BOOKS ON ARCHITECTURE"



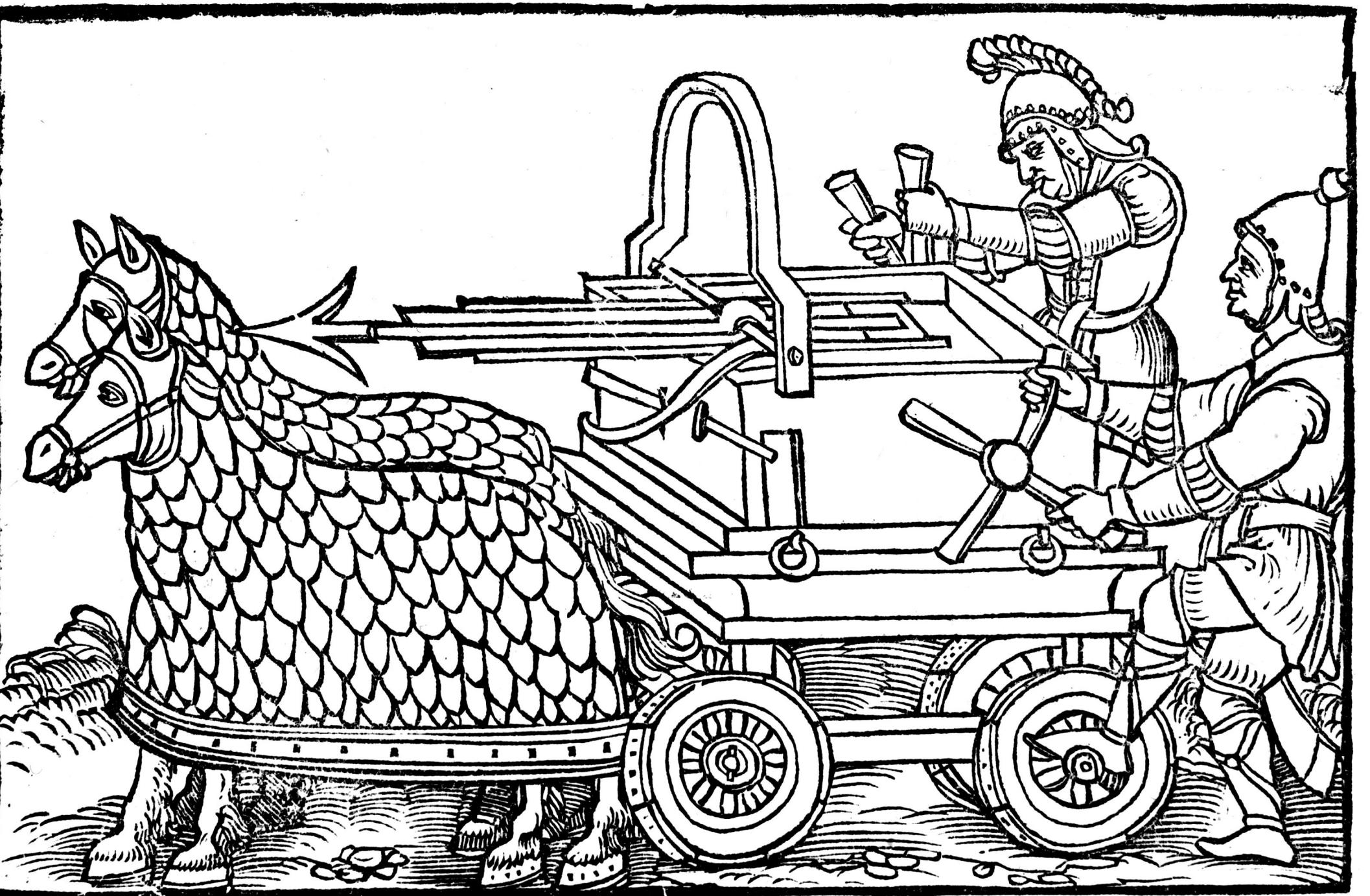
Technology

Archimedes' screw aka the water screw was described by Vitruvius in *De Architectura*. Vitruvius was involved in more than simply aesthetic, "architectural" pursuits. As a member of Caesar's military, Vitruvius had expanded knowledge of essential technologies.



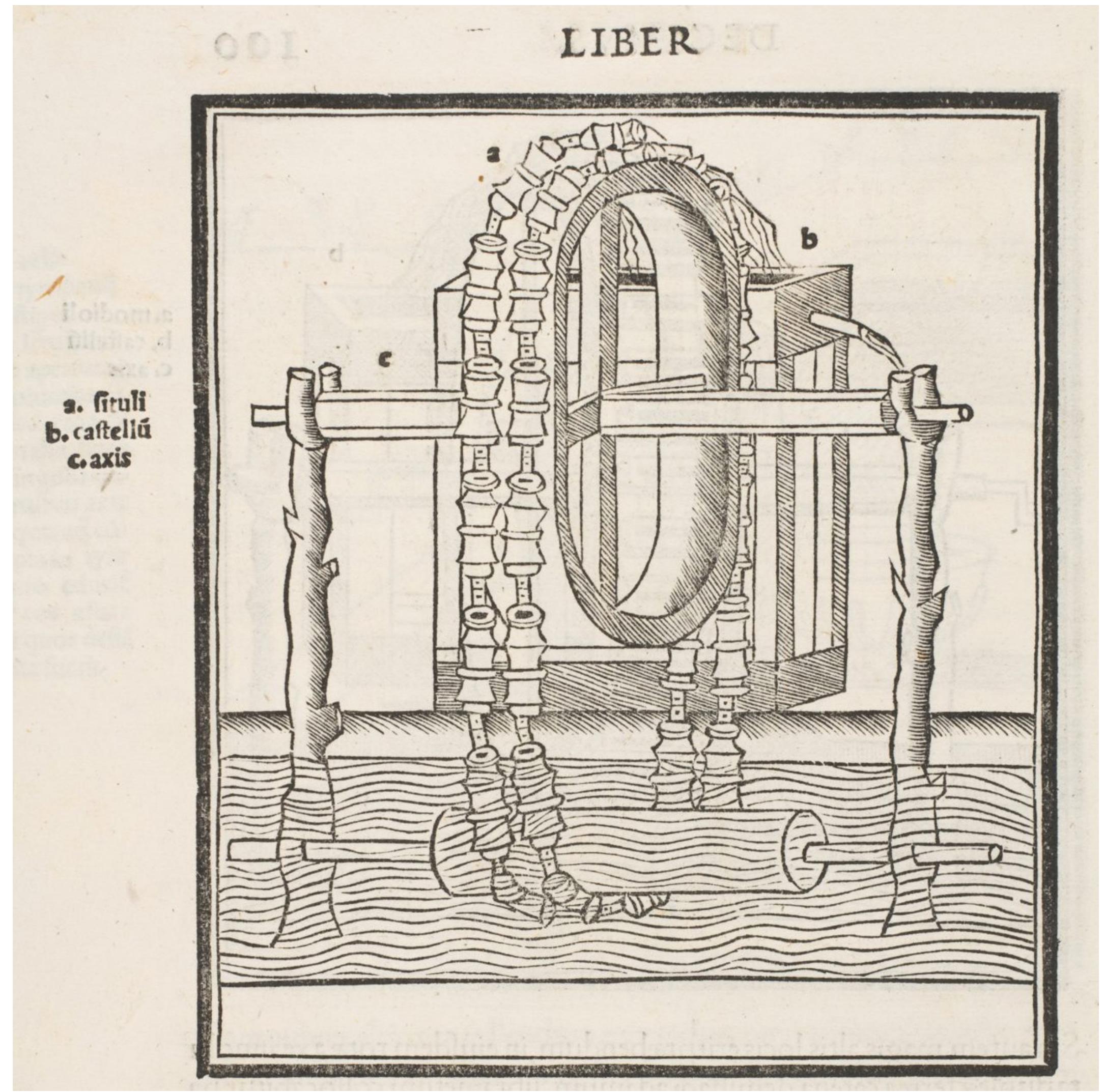
Ballista

Hey, is that a nomadic structure?



Machina

Water is nomadic.



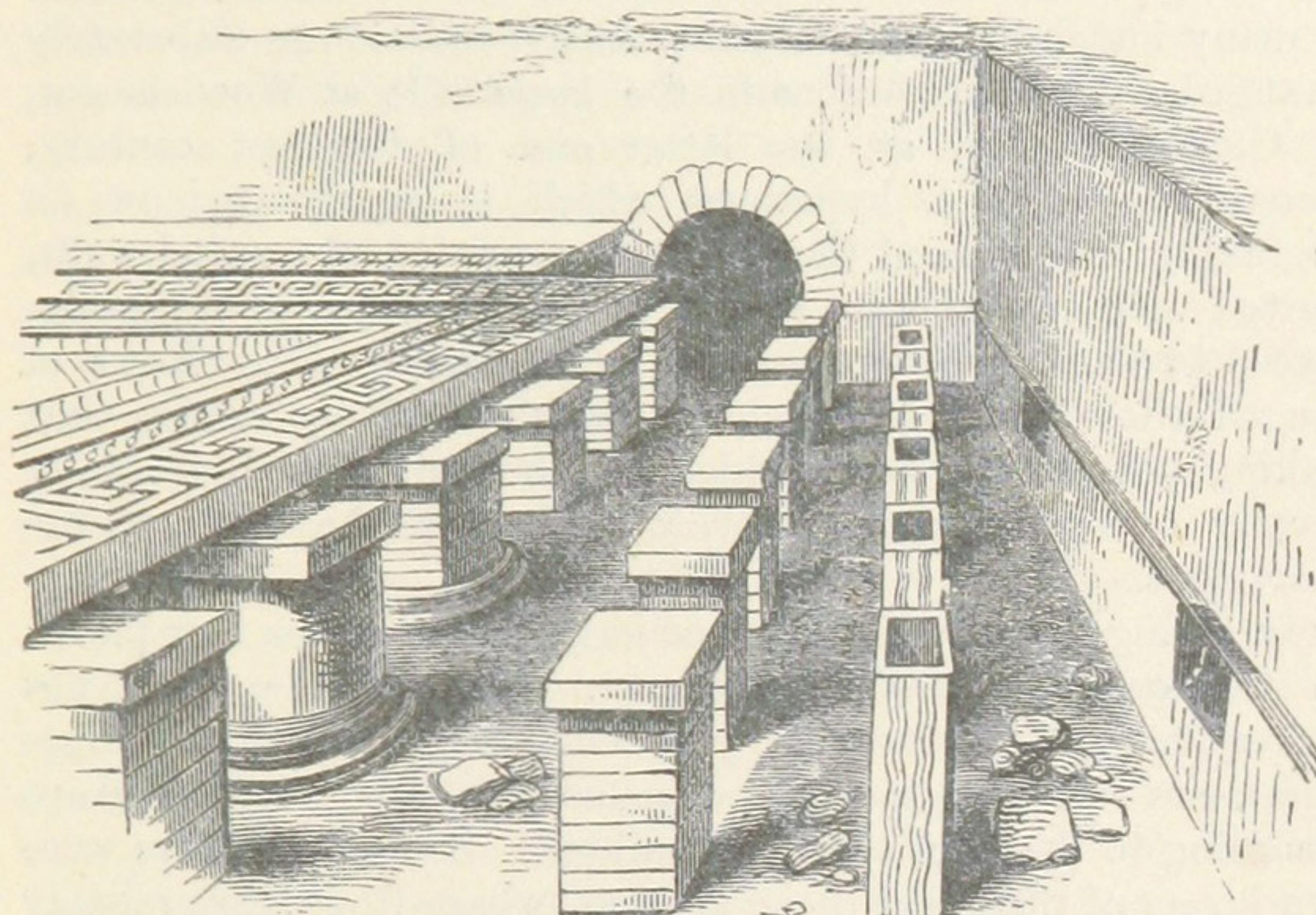
02 Hypocaust

In-floor heating system used throughout the Roman Empire. Wood was burned and the heat distributed in a hollow space below the floor. Principally used to heat baths, but could also heat rooms.



Hypocaust

stands upon a stone base. Between the last row of pillars and



Hypocaust at Cirencester (*Corinium*).

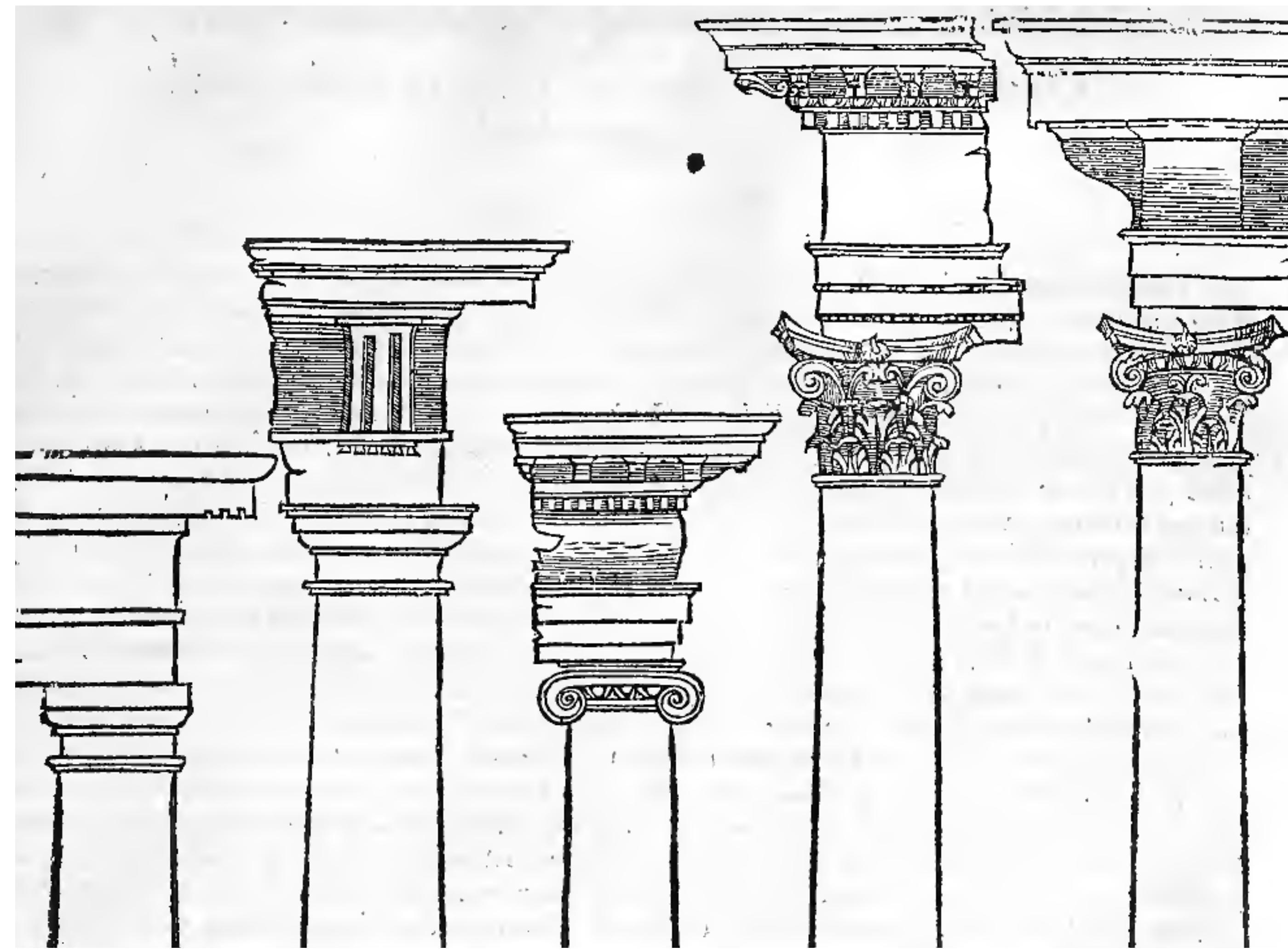
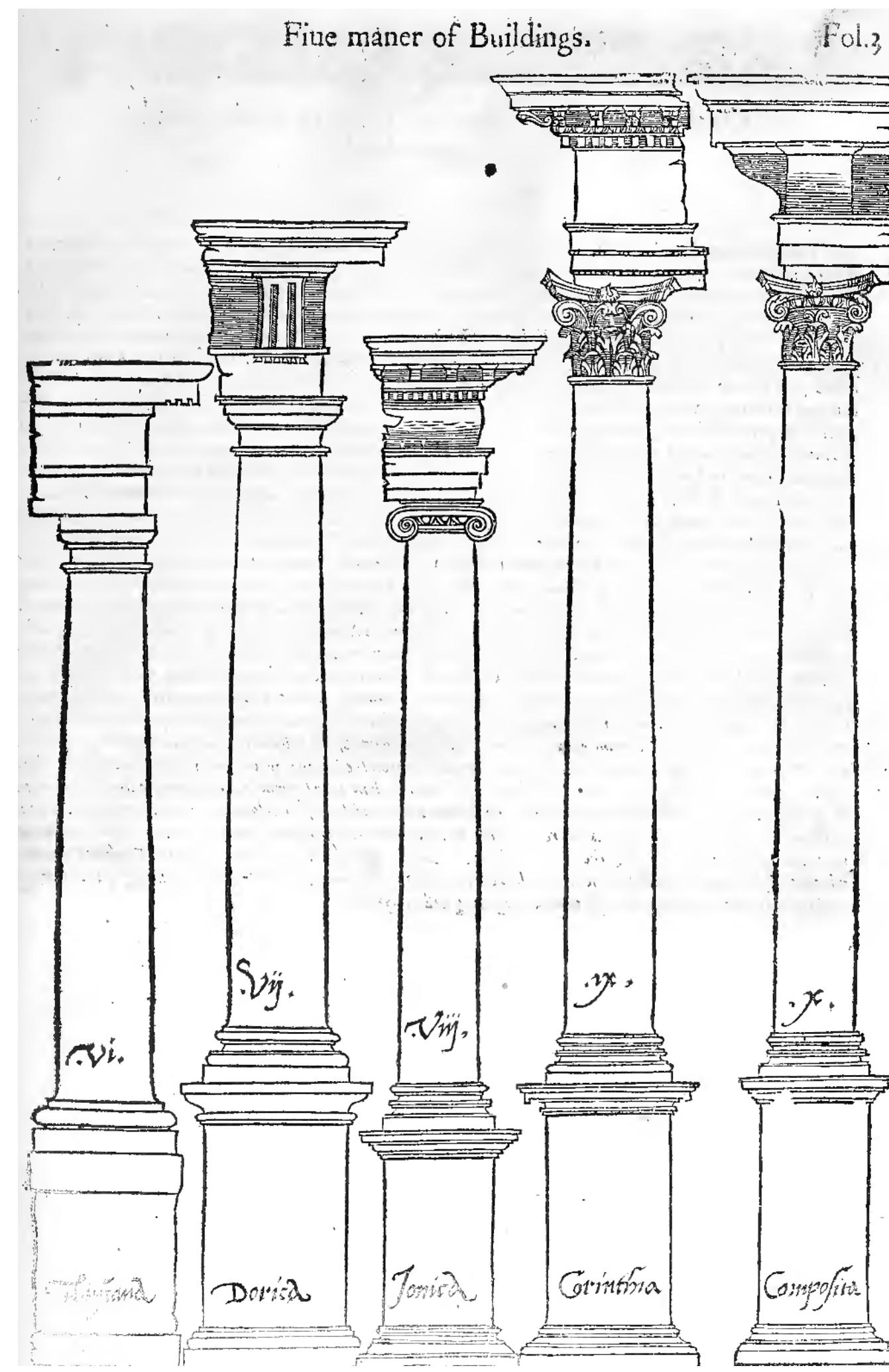
what is order, anyway?



Temple of Apollo

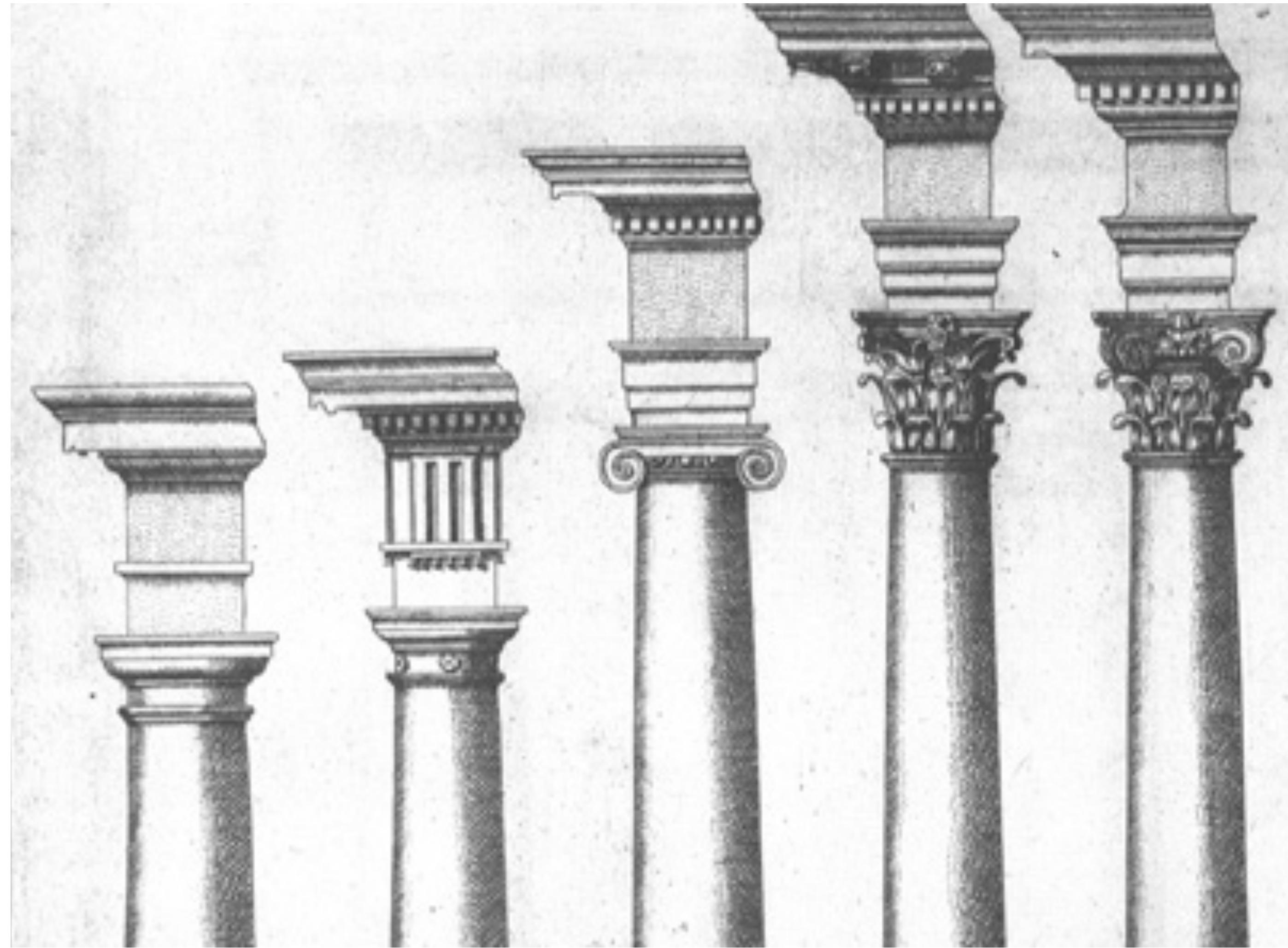
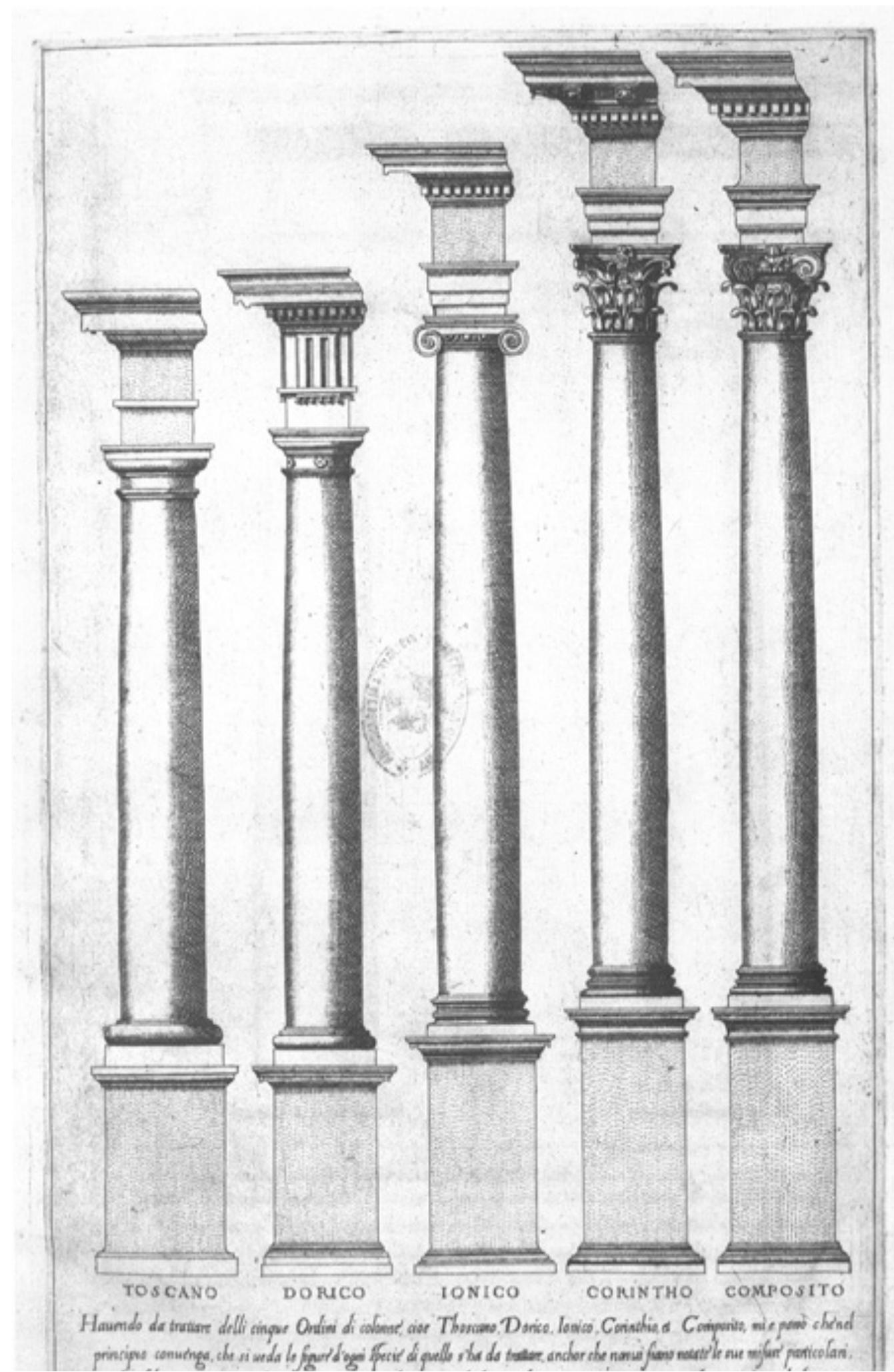


Treasury, Athens



Serlio's drawing of the orders.

Serlio – Five Books of Architecture – <https://archive.org/details/firstbookeofarch00serl/page/n7>

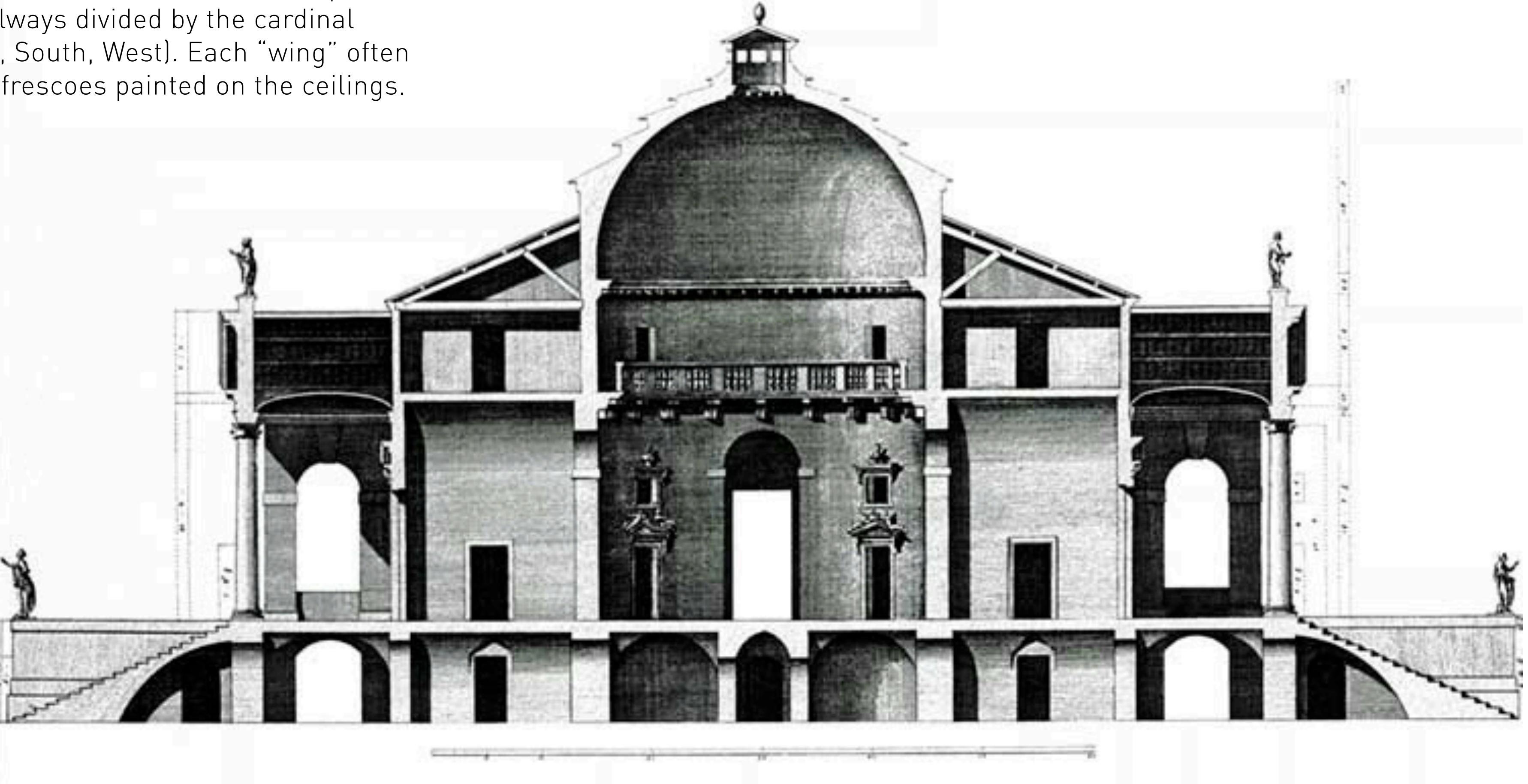


Vignola's drawing of the orders.

Vignola – Rules of the Five Orders of Architecture – https://archive.org/details/regoladellicinu00vign_0/page/n6

Palladian Villas

There is a formal logic to most, if not all, Palladian Villas. Symmetry is a very common element read in the plans as space was almost always divided by the cardinal directions (North, East, South, West). Each “wing” often had different thematic frescoes painted on the ceilings.

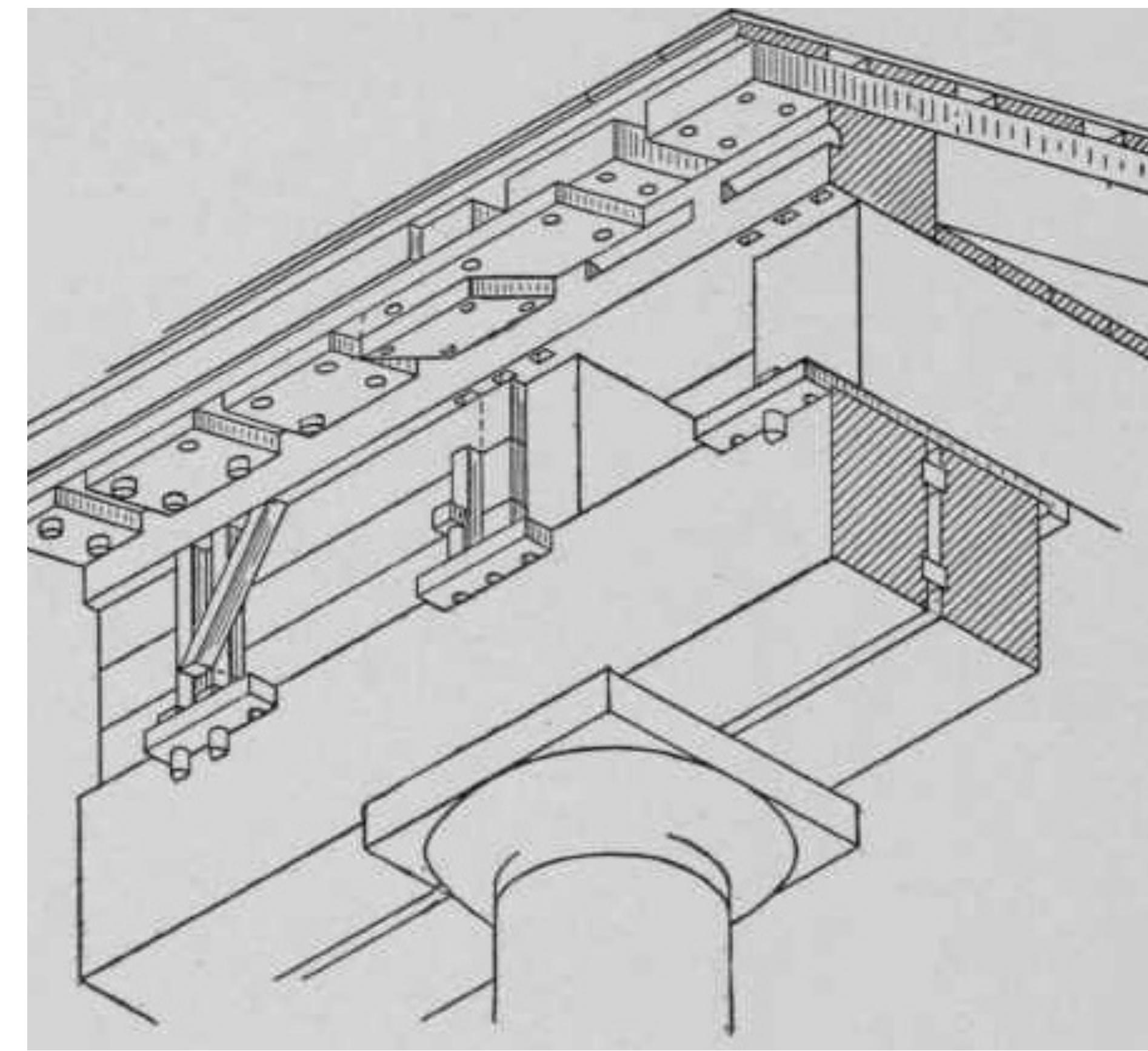
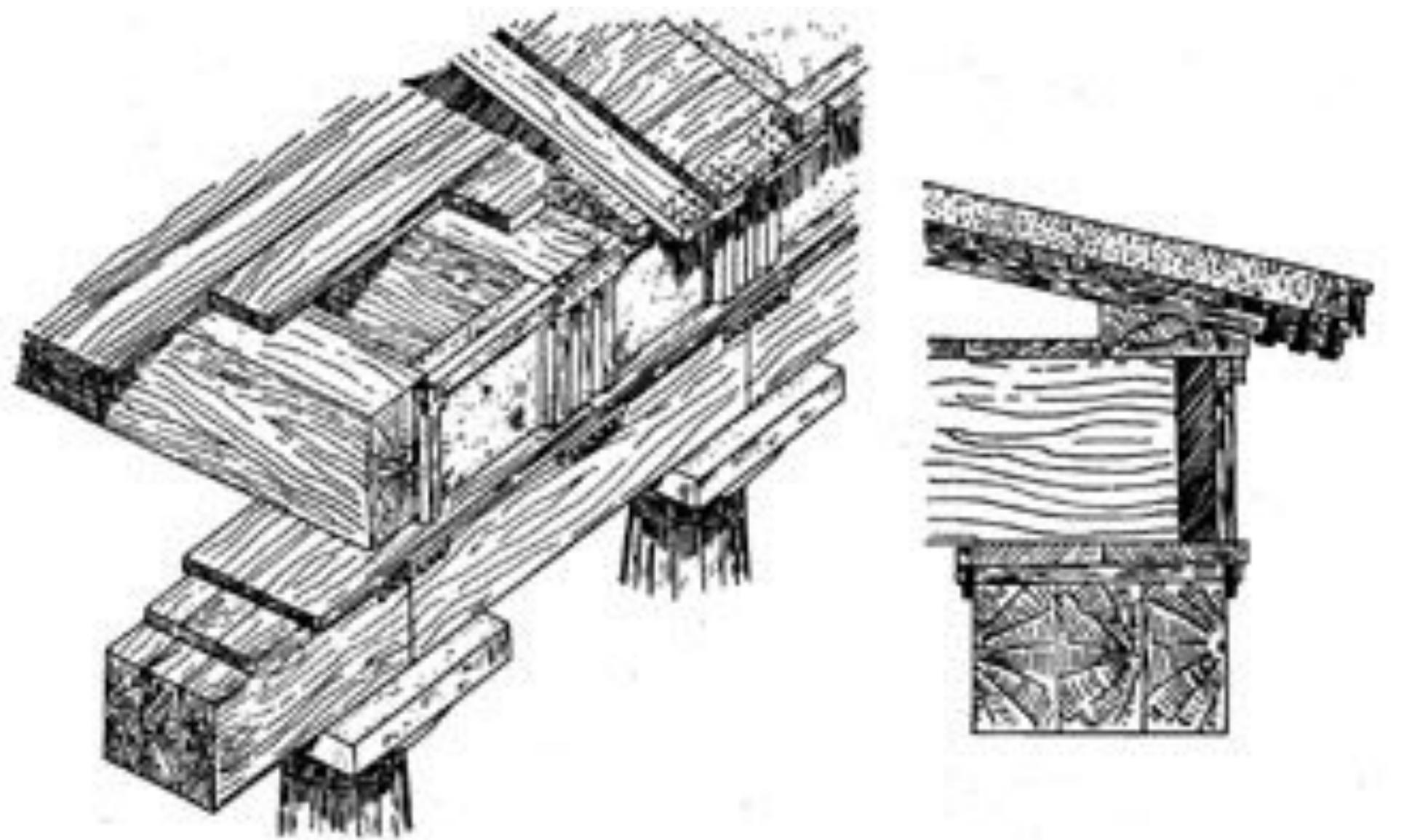


Villa Capra

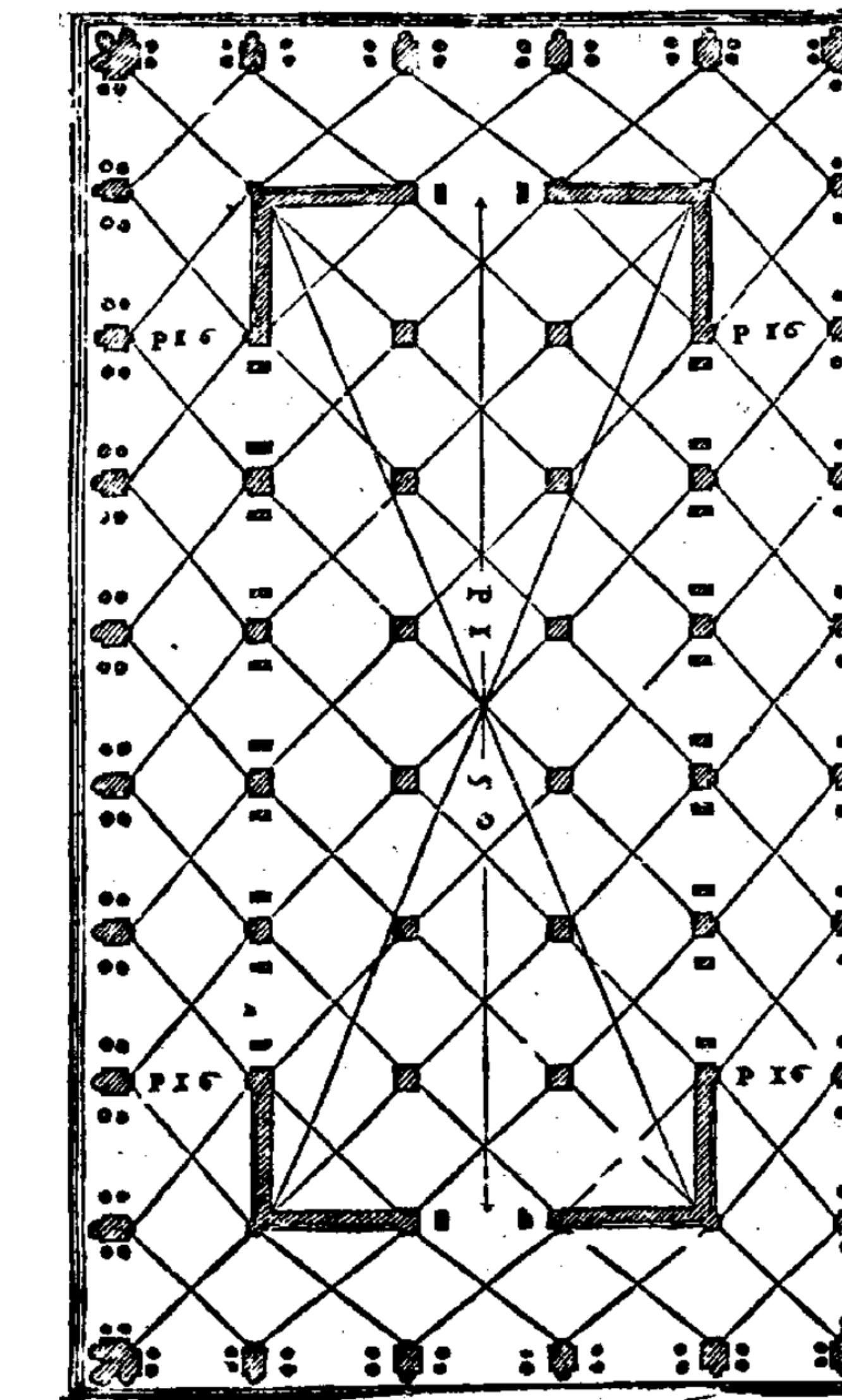
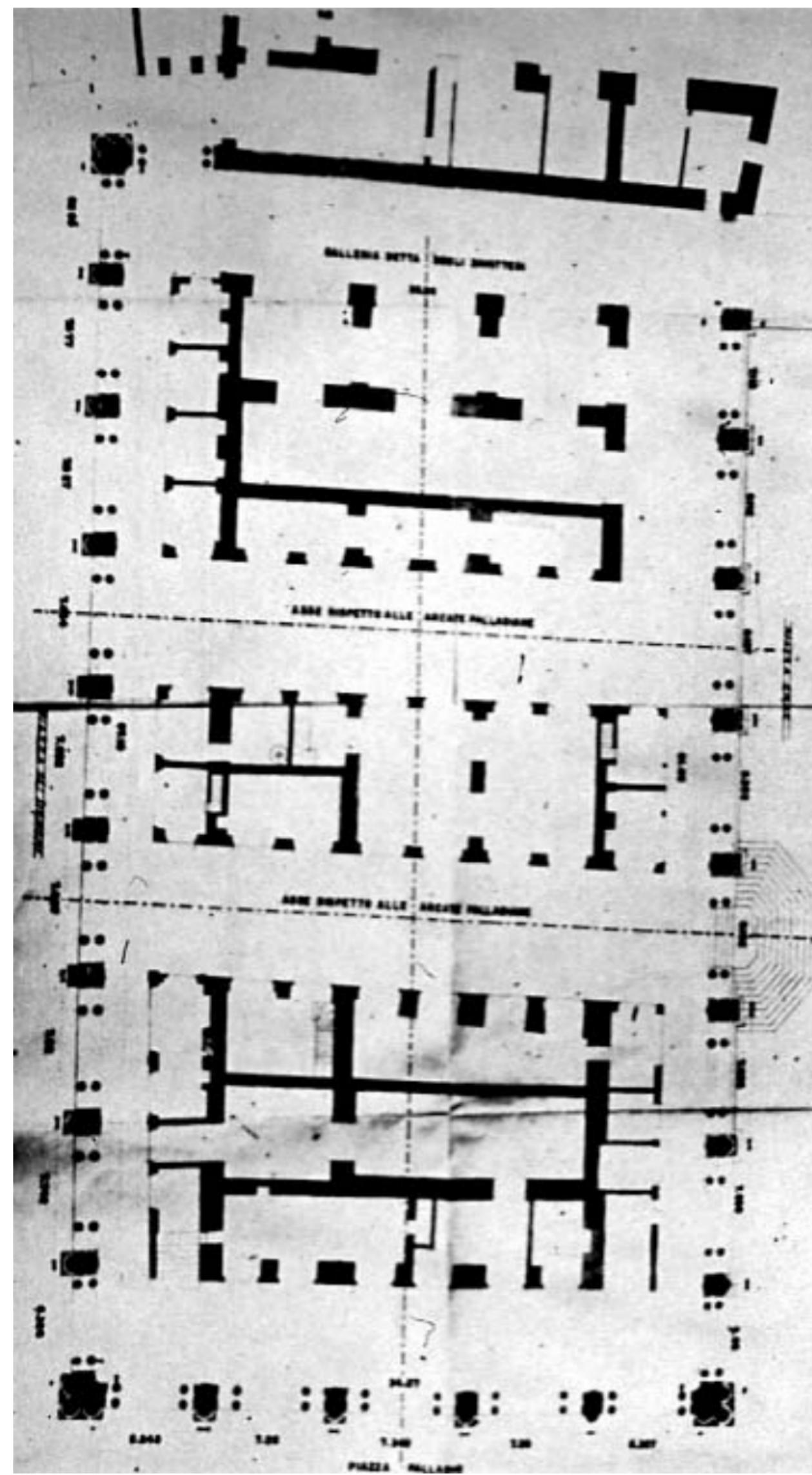
“La Rotonda” is one of the most influential Palladian designs.



what is truth?



what is perfect?



1.2 (above) Palladio, The Basilica, Vicenza, 1546-1617, view across the Piazza dei Signori (Tavernor, Palladio 35).

1.3 (far left) Palladio, The Basilica, Vicenza, 1546-1617, plan, measured drawing as built (Zorzi, Le opere pubbliche plate 45).

1.4 (left) Palladio, The Basilica, Vicenza, 1546-1617, plan (Four Books on Architecture 4.42).

what is human?



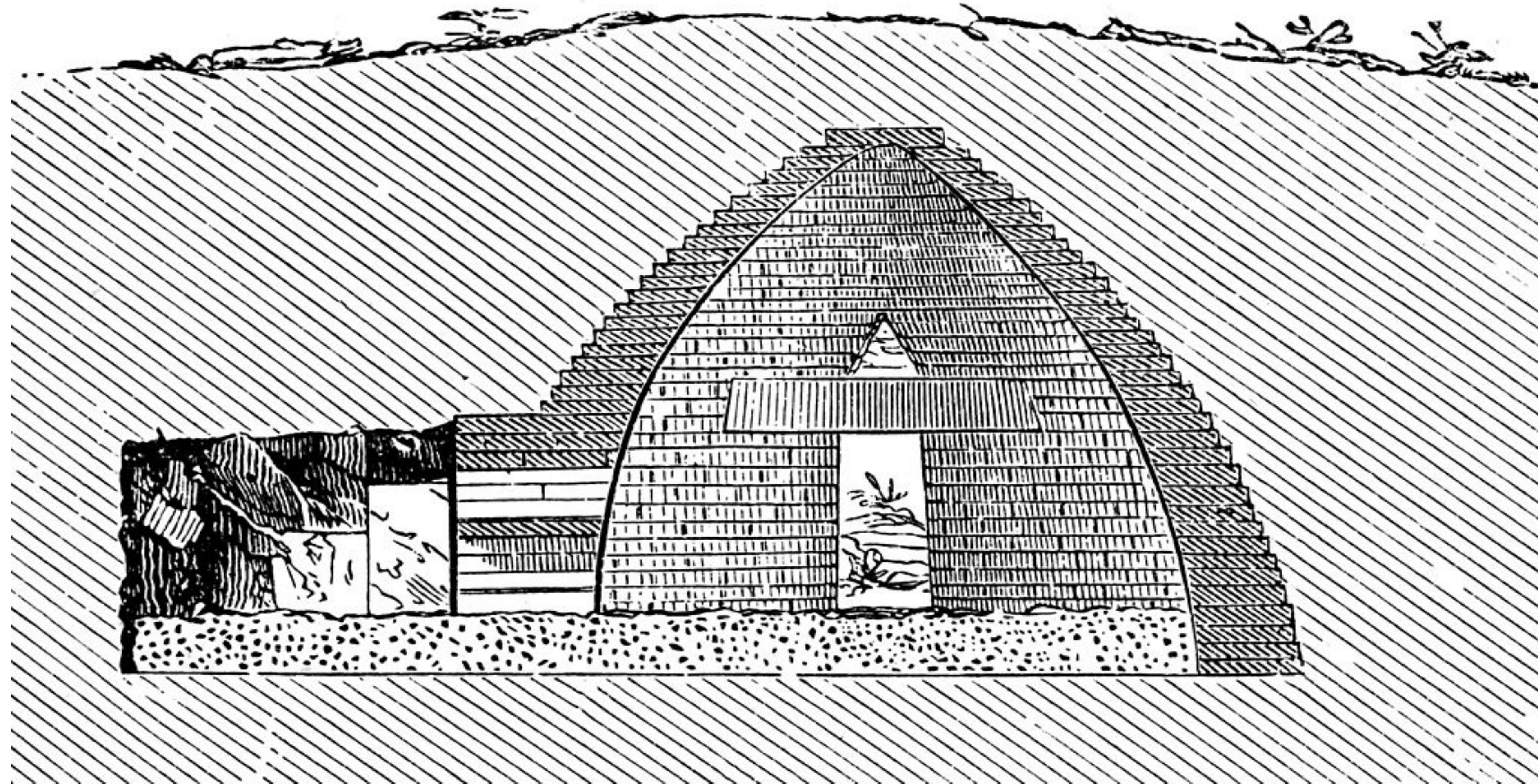


Apache “wickiup” (present-day New Mexico, Arizona, Mexico)

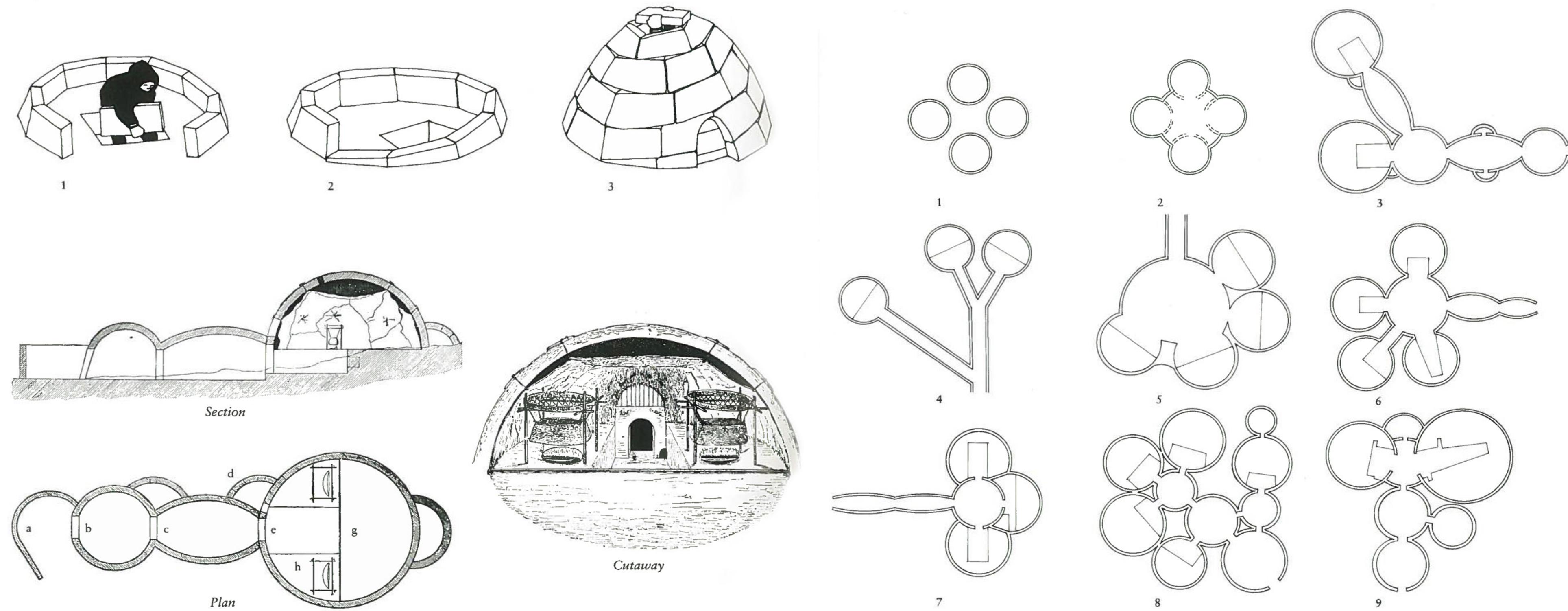


Caddo dwelling (local to us in Louisiana)





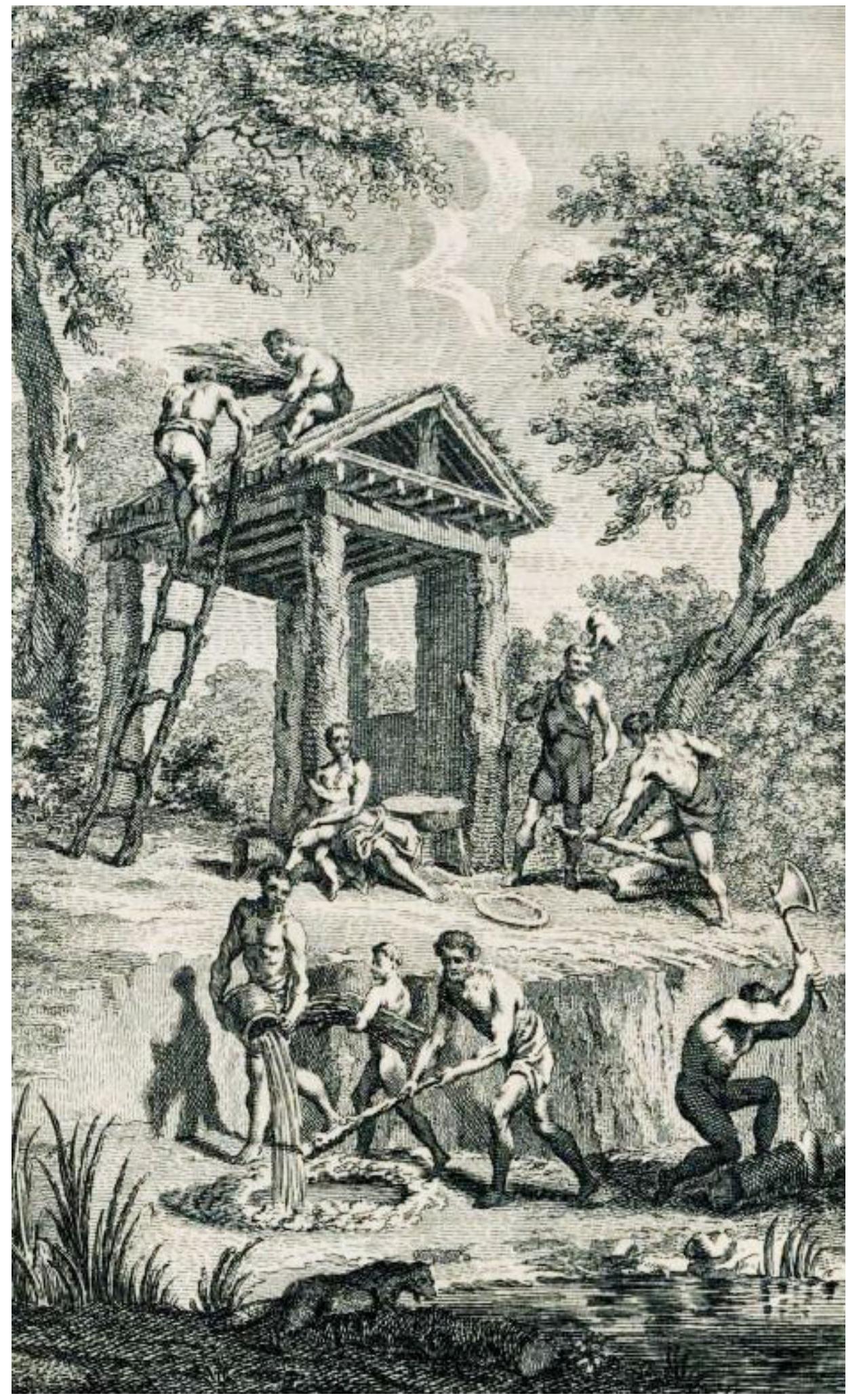
Treasury of Atreus, Mycenae (Greece). 1250 BC.



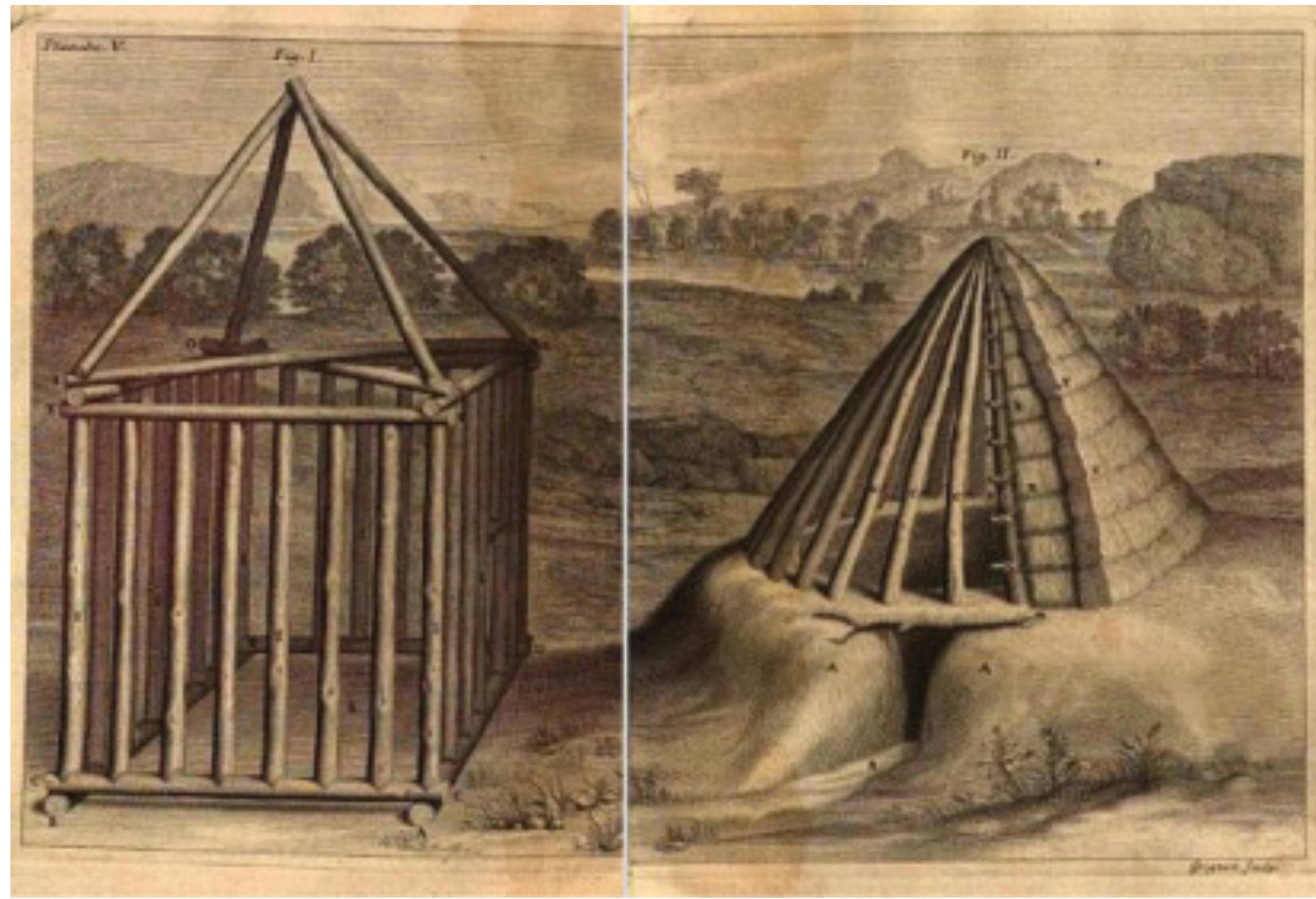
HOW TO BUILD AN IGLOO (National Film Board of Canada)

<https://youtu.be/K3pd-wxNEKQ>

what came before us?



Laugier, Primitive Hut.

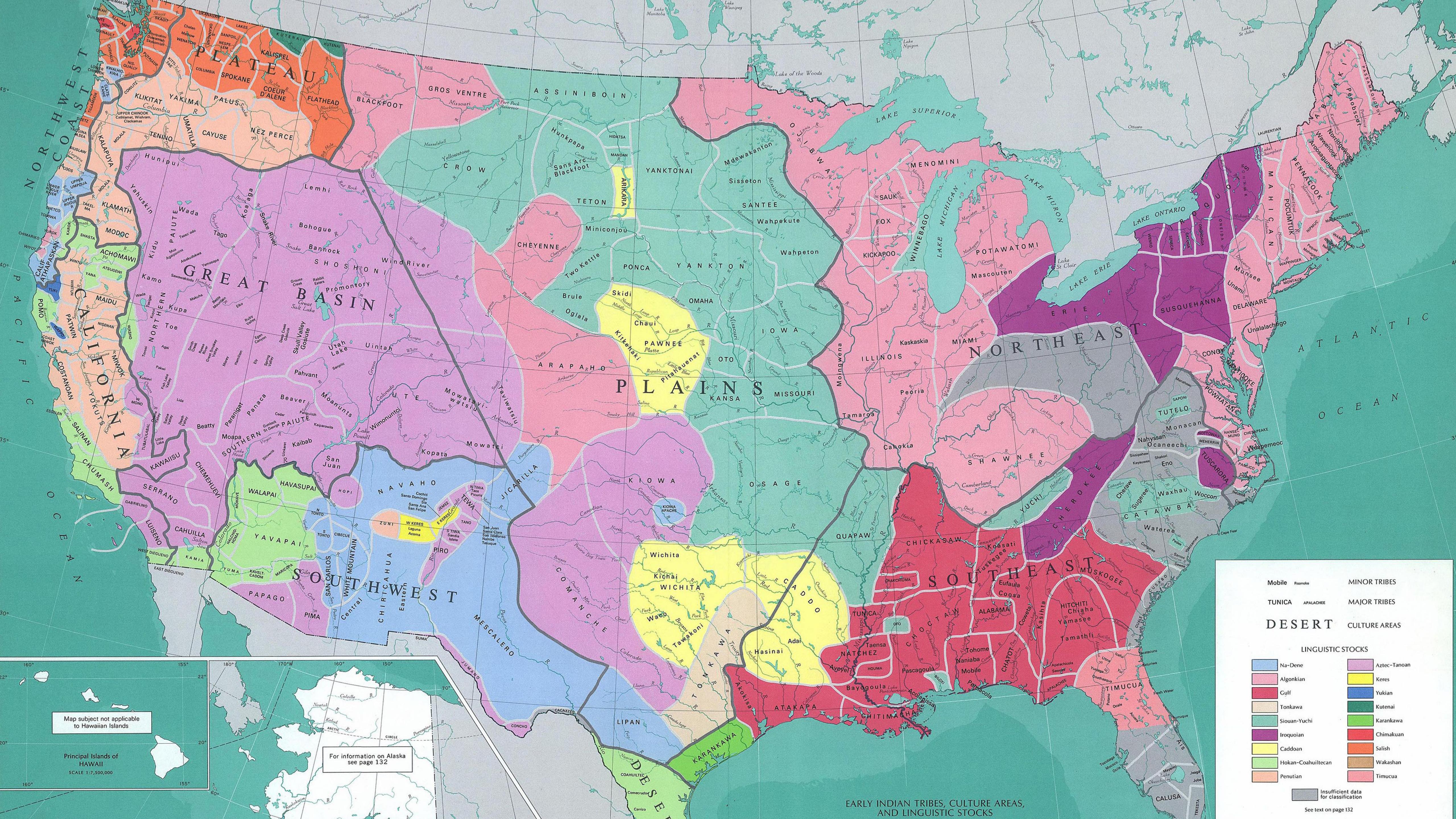




Turtle Island

Iroquois [edit]

According to [Iroquois oral history](#), "the earth was the thought of [a ruler] of a great island which floats in space [and] is a place of eternal peace."^[3] Sky Woman fell down to the earth when it was covered with water, or more specifically, when there was a "great cloud sea."^[1] Various animals tried to swim to the bottom of the ocean to bring back dirt to create land. Muskrat succeeded in gathering *oeh-da* (earth),^[1] which was placed on the back of a [turtle](#). This earth grew into North America^[4] or into the present planet Earth itself: "Hah-nu-nah, the Turtle, became the Earth Bearer."^[1] According to Converse and Parker, the Iroquois faith shared with [Hinduism](#) and other religions the "belief that the earth is supported by a gigantic turtle"^[1] In the [Seneca language](#), the mythical turtle is called *Hah-nu-nah*,^[1] while the name for an everyday turtle is *ha-no-wa*.^[5]



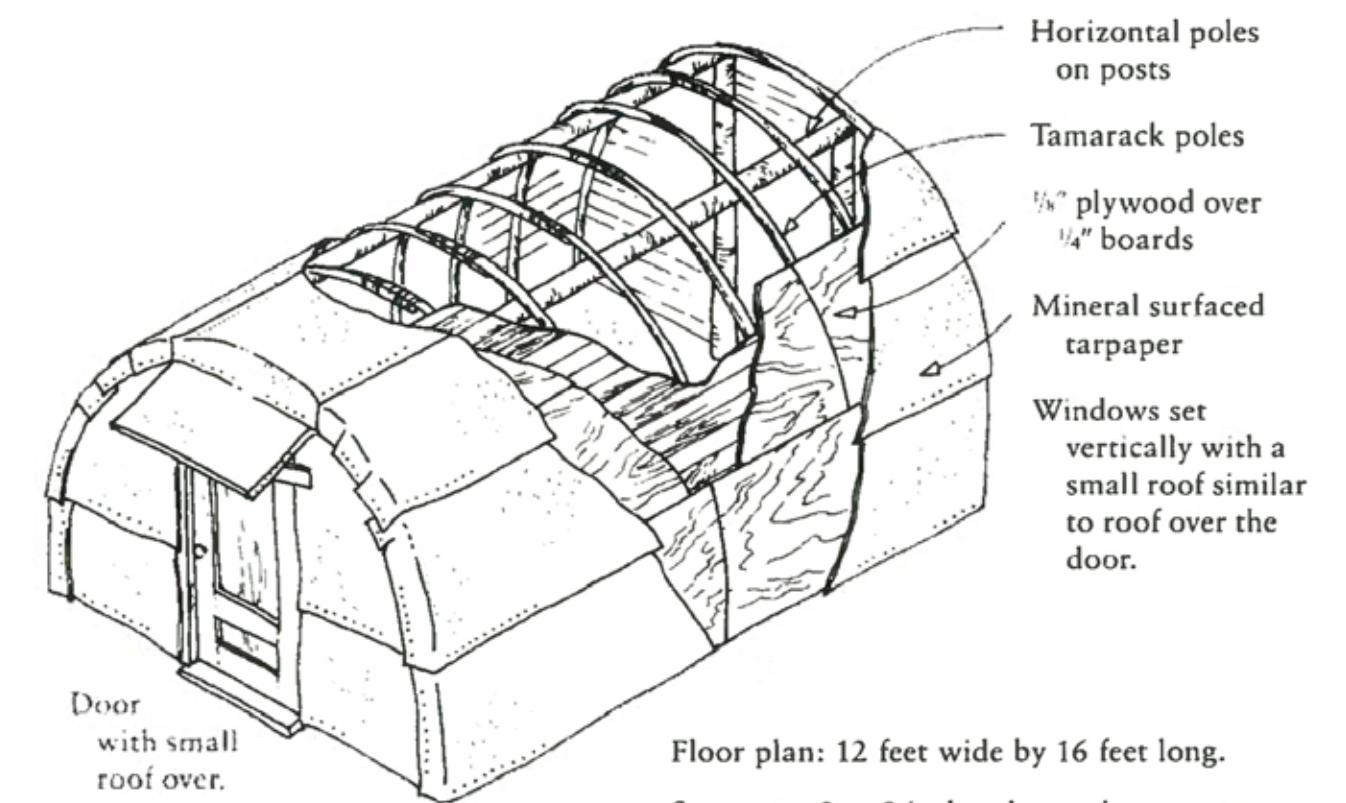
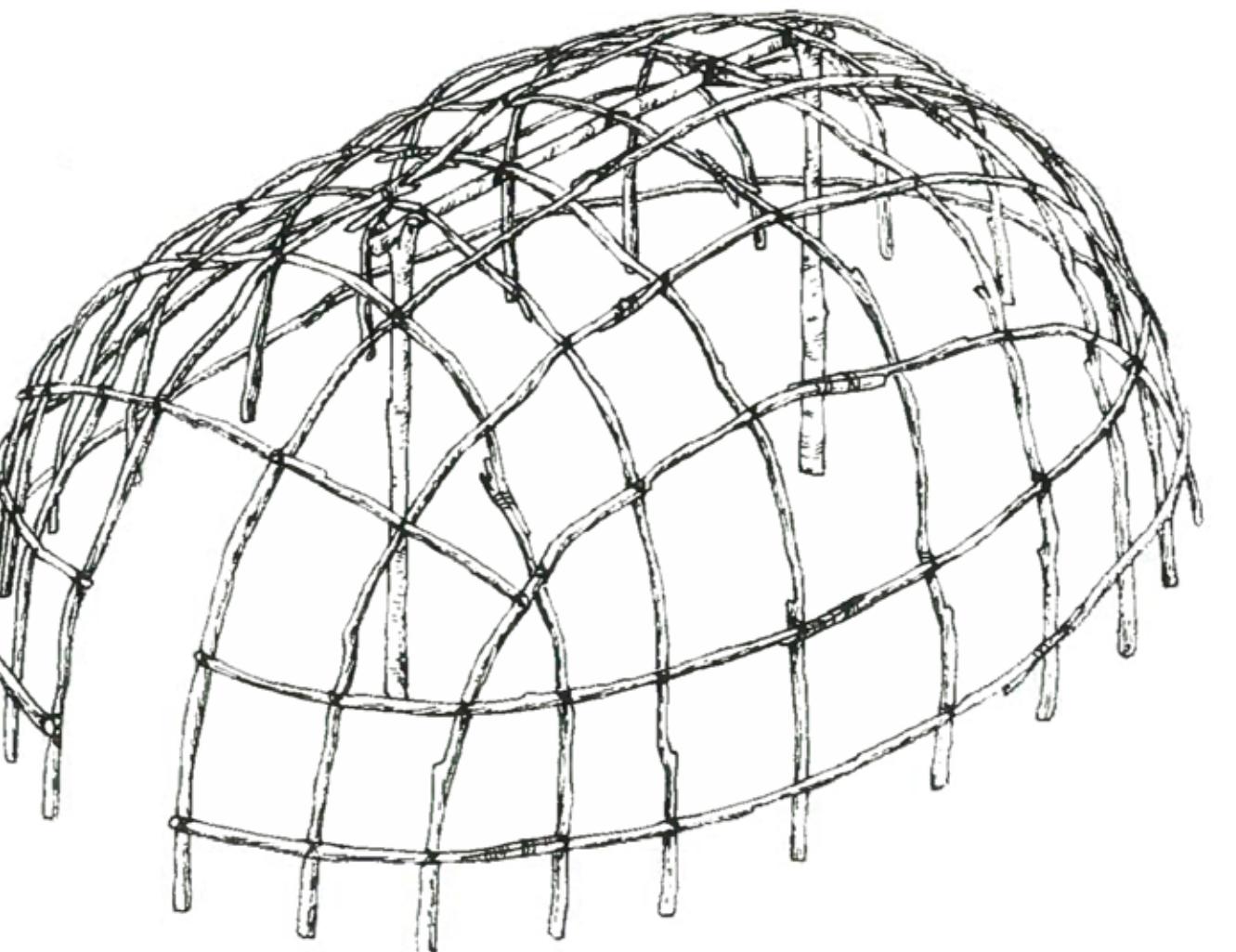
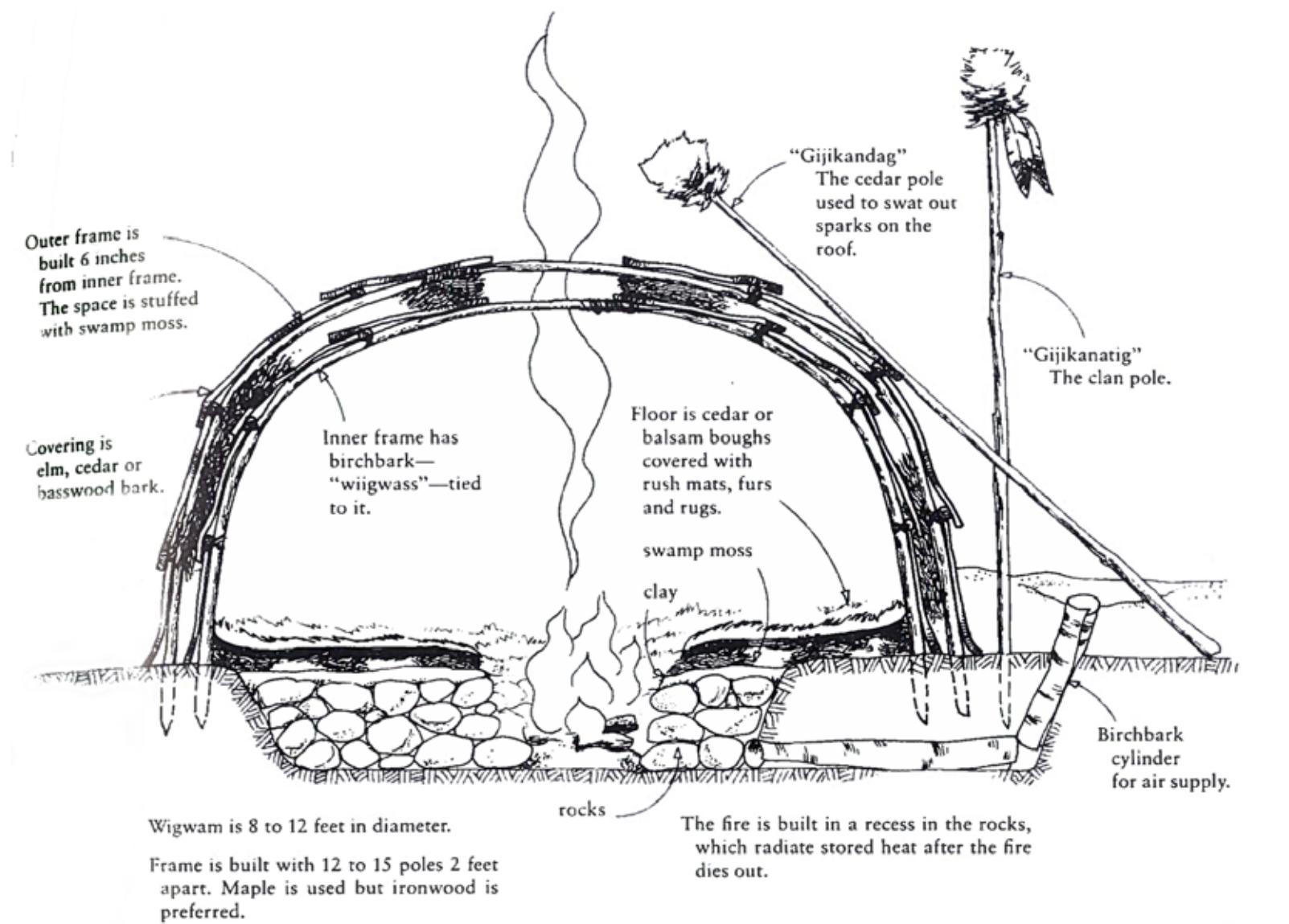
Mobile Roanoke
MINOR TRIBES

TUNICA APALACHEE
MAJOR TRIBES

DESERT CULTURE AREAS

Insufficient data for classification

See text on page 132



Floor plan: 12 feet wide by 16 feet long.
Structure: 2 to 3 inch poles are bent over two larger horizontal poles supported by two larger posts (8 to 10 feet high) at each end.

If a concrete floor is used, poles can be set in cut pop bottles that are set in the wet concrete.

Wigwam section, structure, and skin.



Vardzia, Georgia (the country)



Vardzia, Georgia (the country)



Vardzia, Georgia (the country)

what is science?

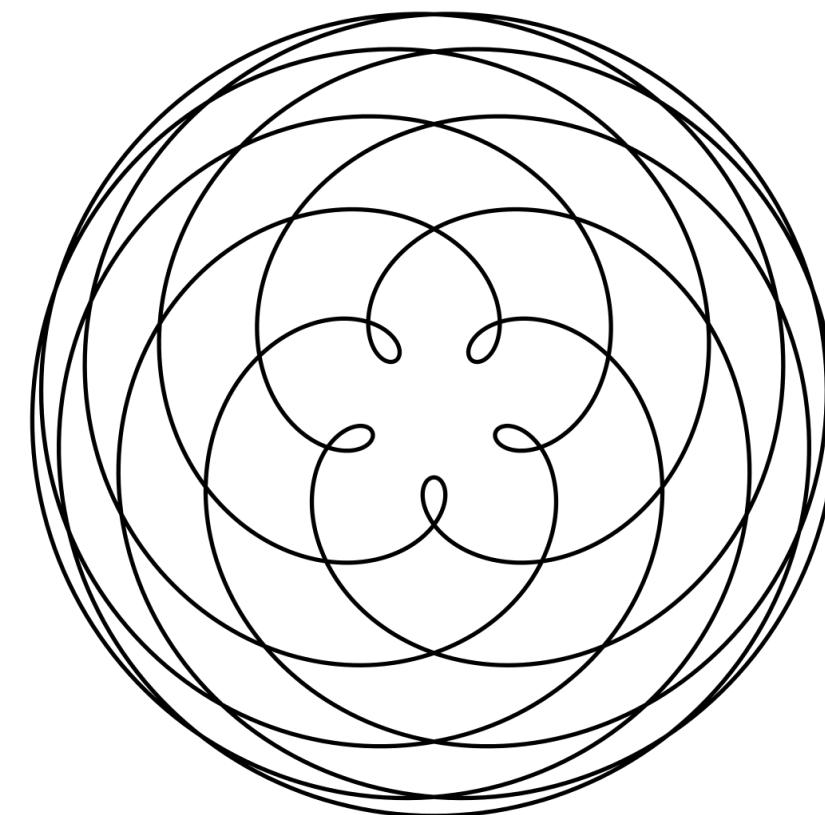
Scientific Revolution

Aristotle (384-322 BC)

- Aristotelian geo-centric cosmology dates back to classical antiquity
- student of Plato
- polymath

Ptolemy (100-170 AD)

- Ptolemaic model of planetary motion (Earth is at the center)



Copernicus (1473-1543)

- On the Revolutions of the Heavenly Spheres (1543)
- offered the first counter-point to the Ptolemaic geocentric model.
- Index of Forbidden books
- Martin Luther outraged, called it silly, offered scripture from Joshua

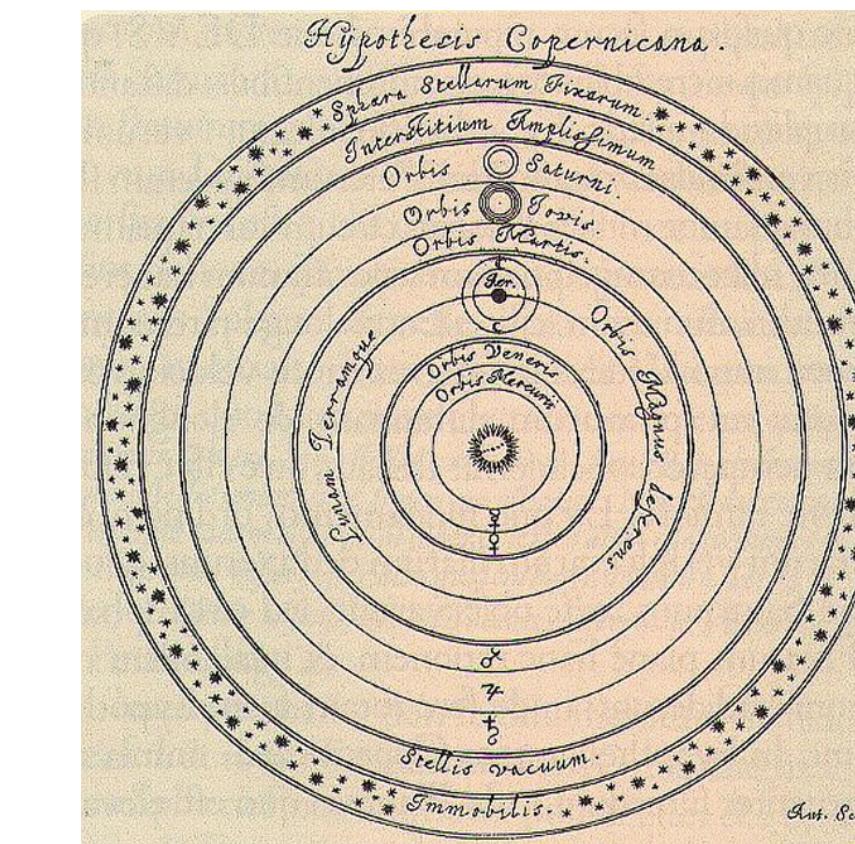
Vesalius

- published De Humani Corporis Fabrica the same year (1543)



Galileo (1564-1642)

- In 1632 published Dialogue Concerning the Two Chief World Systems (Copernicus to Ptolemy)
- Index of Forbidden books
- found to have committed heresy, recanted, and lived under house arrest for the rest of his life
- in 1638, published "Two New Sciences" (strength of materials, and objects in motion)



Francis Bacon (1561-1626)

- Scientific Method
- Empiricism
- Evidence as truth
- Science as truth

Newton (1643-1727)

- In 1687, publishes Mathematical Principles of Natural Philosophy
- framework for Classical Mechanics
- with Leibiz, develops calculus



Inigo Jones

The most significant English architect

1573-1652

Unconventional origins... where did he come from? Not wealthy or elite. Was an apprentice joiner (carpentry) at St. Paul's in London, the Anglican mother church, designed by Sir Christopher Wren.

Known for theater design and masques. Only begins to work on "architecture" in his mid-to-late thirties.

Influenced by Palladio! Had an Italian copy of Palladio's "Four Books" which is heavily annotated with **marginalia**.

Responsible for introducing Vitruvian ideas (as translated by Palladio) to England. Stylistically very rigid and ruled. Appears to be idealizing proportion and rules, & yet & yet....





The 4 Bodily Humors:

Blood, Phlegm, Black Bile, Yellow Bile

Casting:

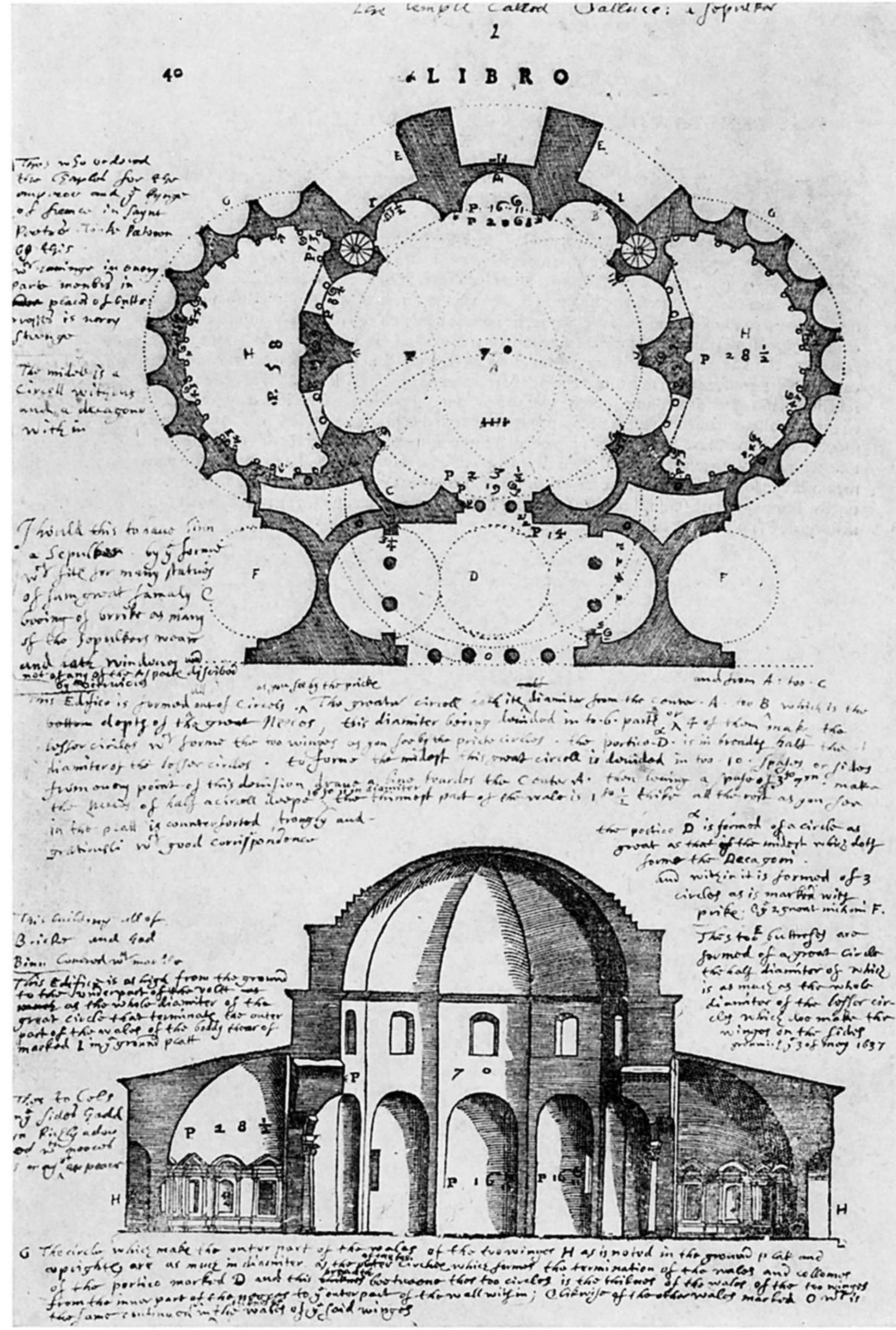
Evacuating the stomach by vomiting

Glisters:

Recipes for clisters, or enemas

In Other Words:

"Jones regularly ate food through his ass and shat waste out of his mouth" – David Theodore



Claude Perrault

1613 to 1688, France

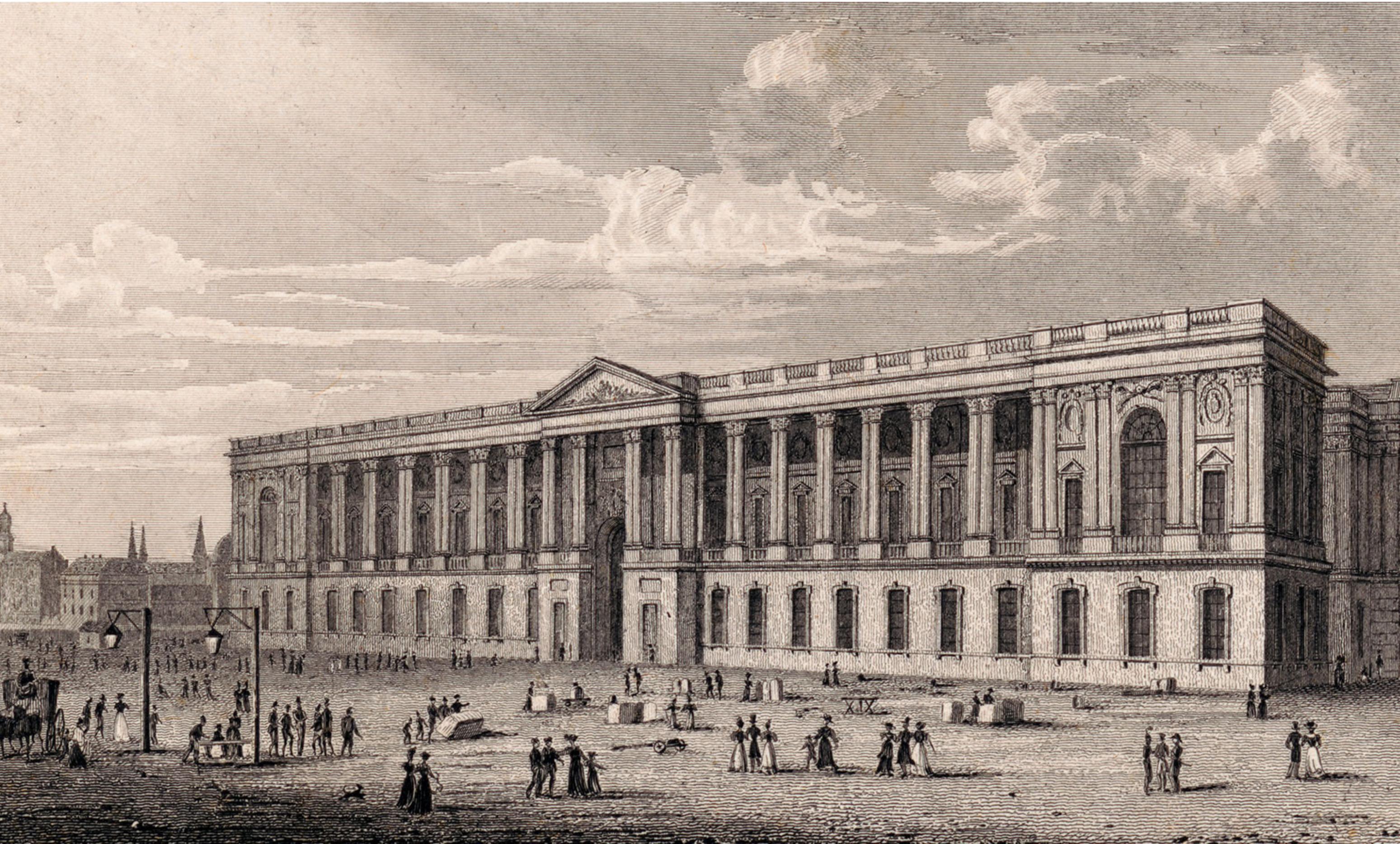
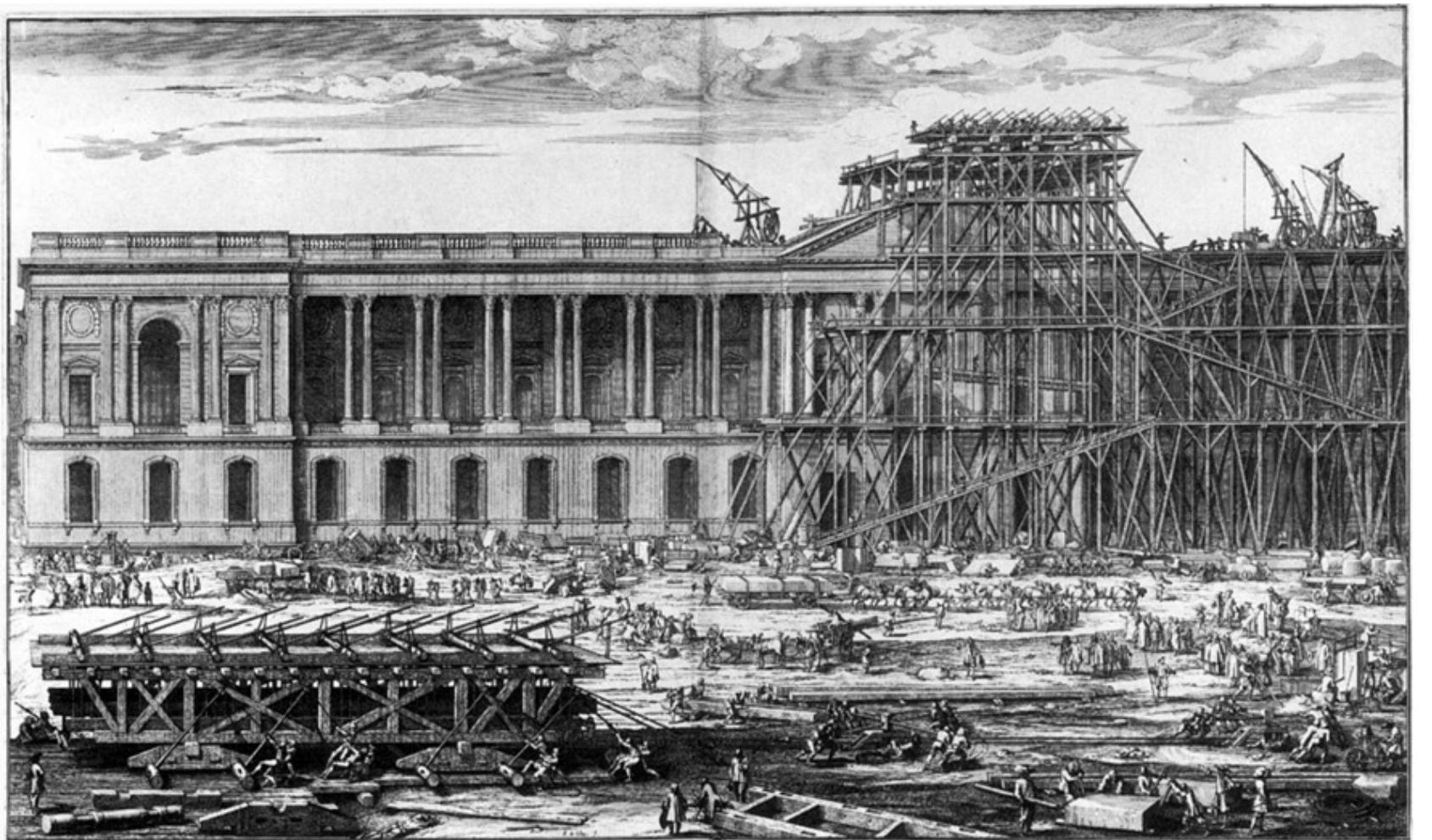
Perrault was trained as a doctor and devoted a great part of his life to scientific research.

Perrault also worked on architecture and his legacy is intertwined with the Scientific Revolution because he was writing during a period in Western culture when the Galilean scientific revolution was generally accepted. Along with Bacon, Perrault turned away from the classics, dismissing them as “comedies” and believing in a new worldview that is based upon knowledge gained from observable phenomenon.

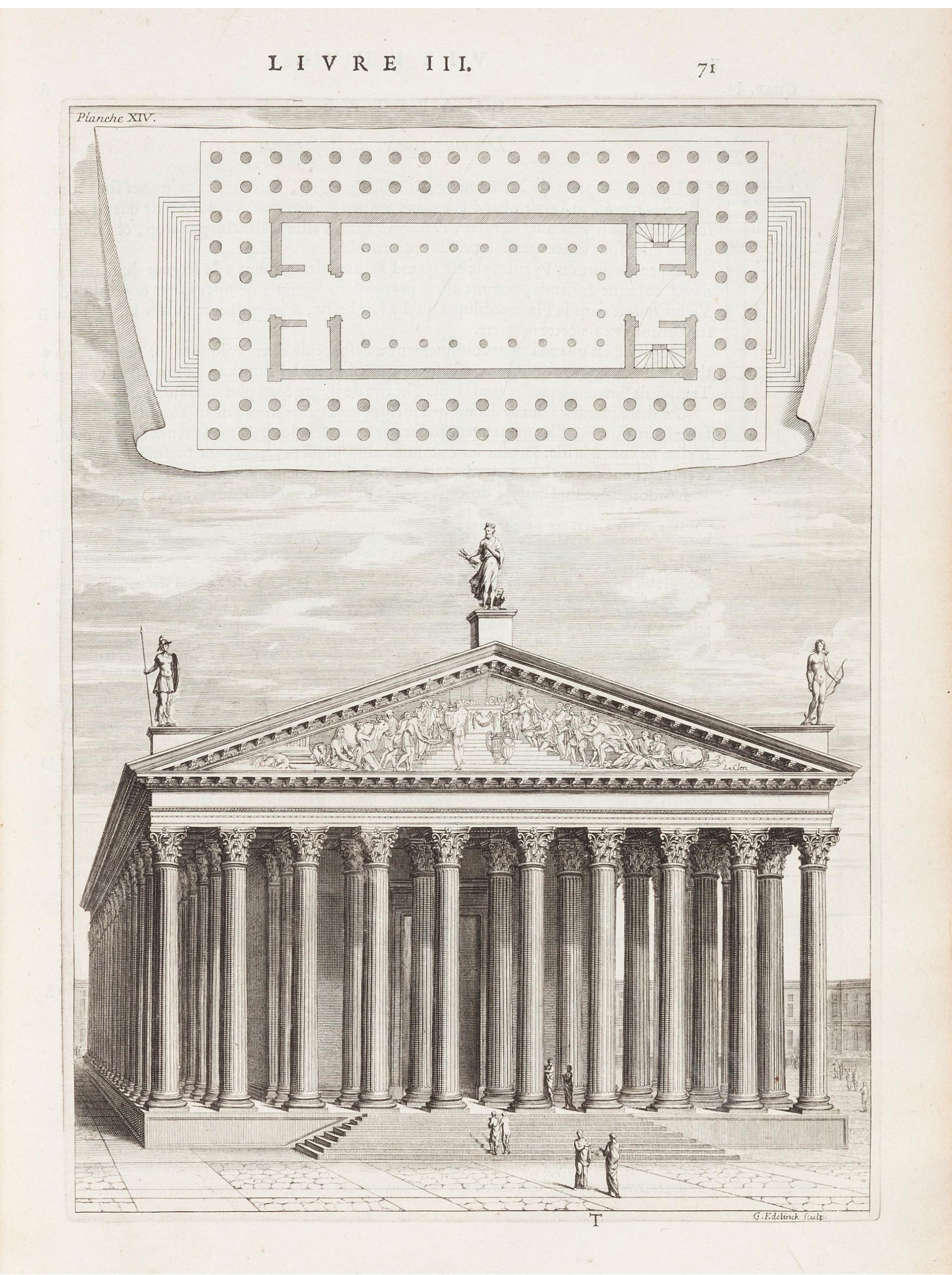
Perrault was a founding member of the French Royal Academy of Science. His brother Charles wrote “Parallele des Anciens et Modernes” which describes the conflict between ancient cosmology and new scientific advancements.



Louvre



Perrault



what is appropriate?