

Gennaro Tampone

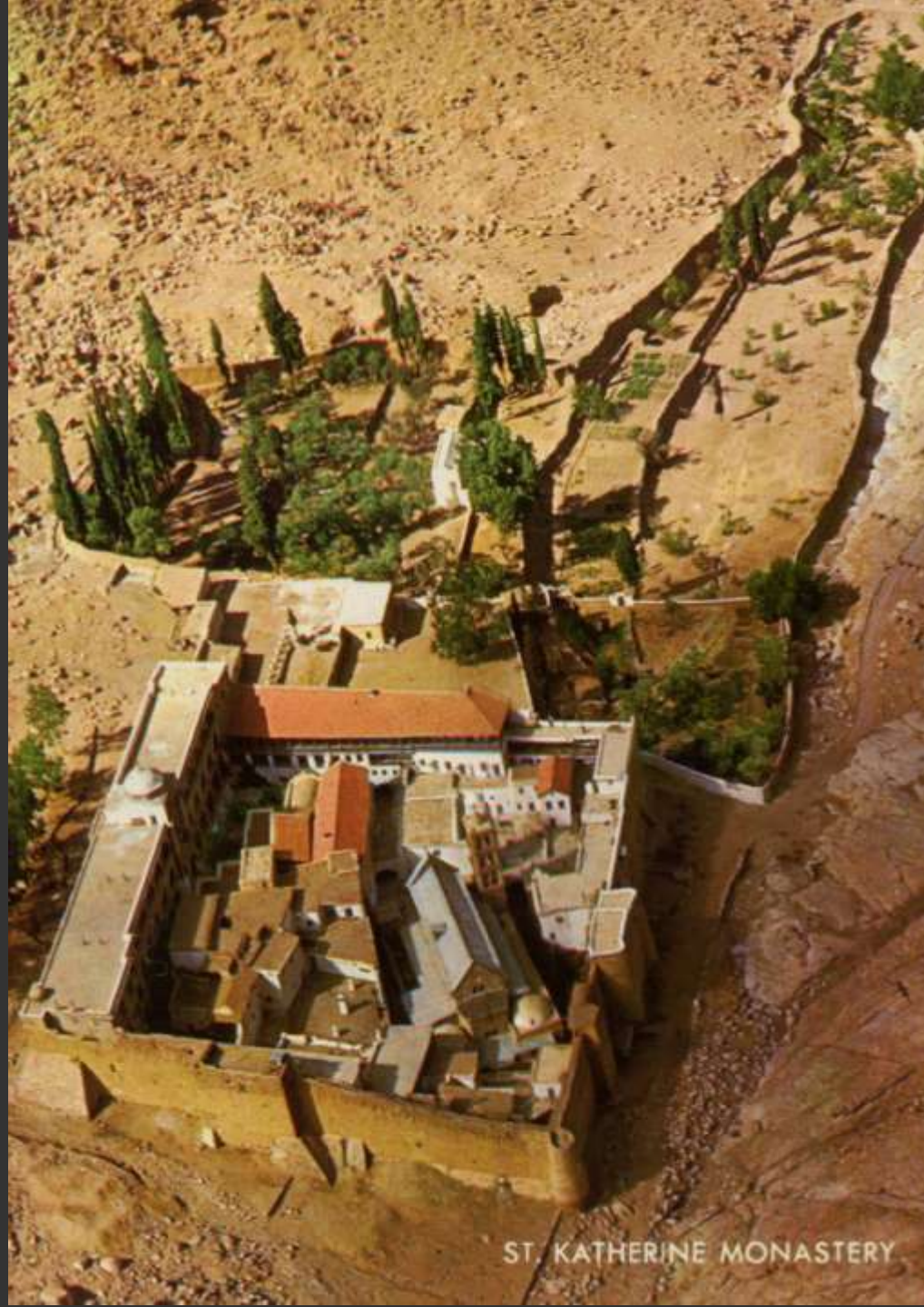
Università di Firenze

**Le strutture di legno
antiche:
patrimonio, problematiche
di degrado e conservazione**

Alcamo e Trapani, 30 e 31 ottobre 2014



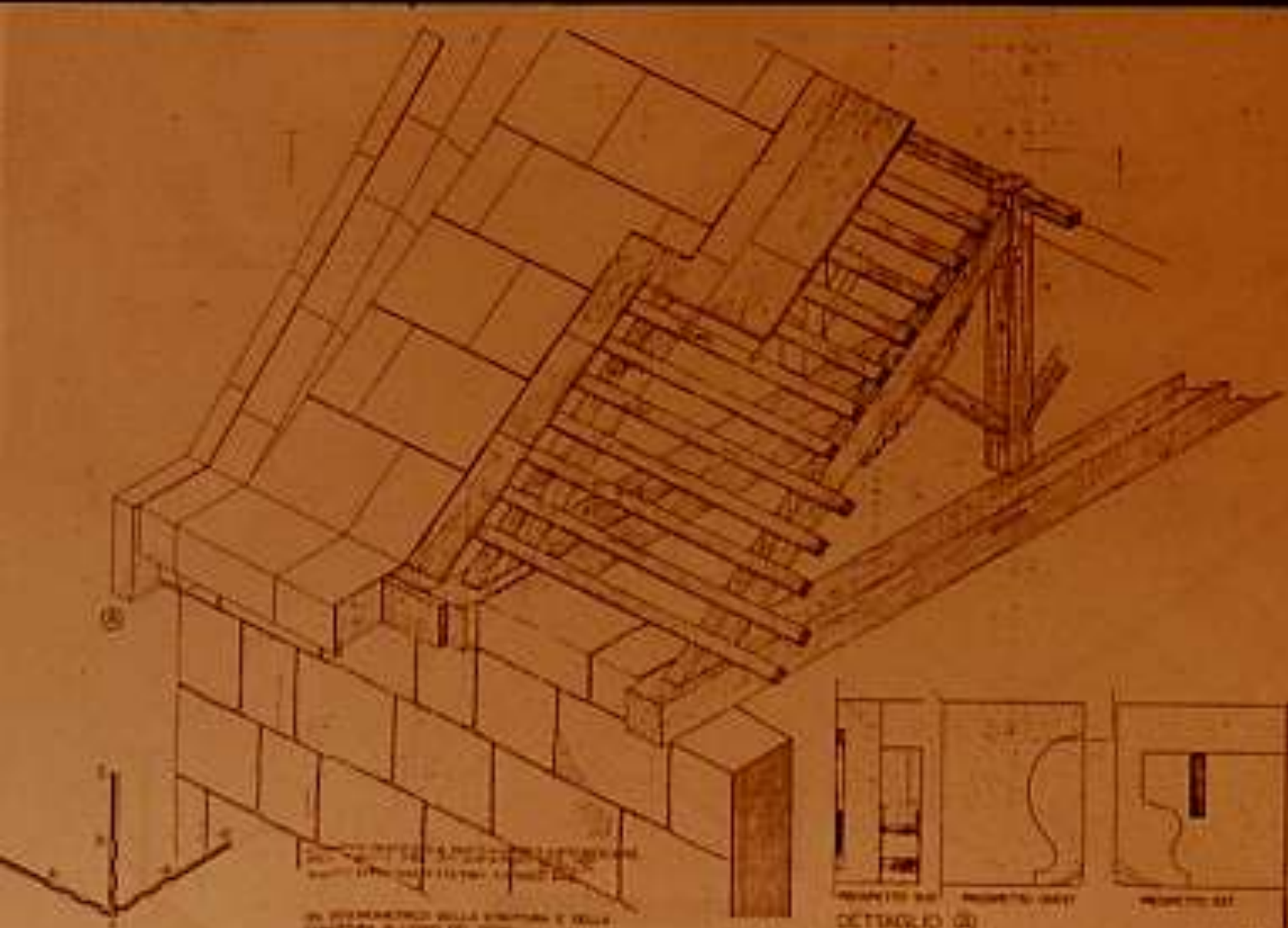




ST. KATHERINE MONASTERY

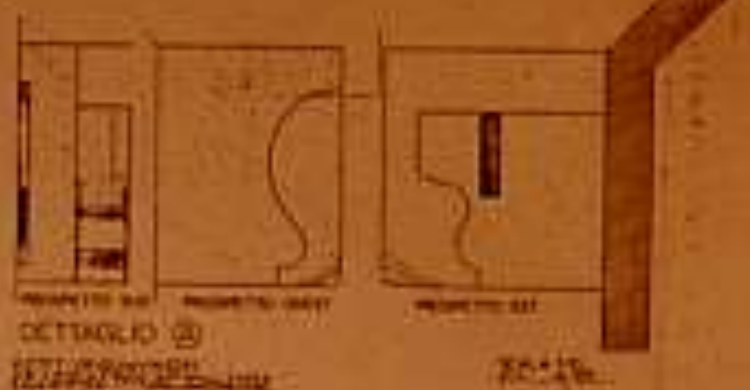






IN QUESTO DETTAGLIO SI VEDONO
 LE TRAVI SECONDE E LE TRAVI PRINCIPALI
 CHE SOSTENGONO LE TEGOLE
 IN UNO DEI LATERALI DEL TETTO

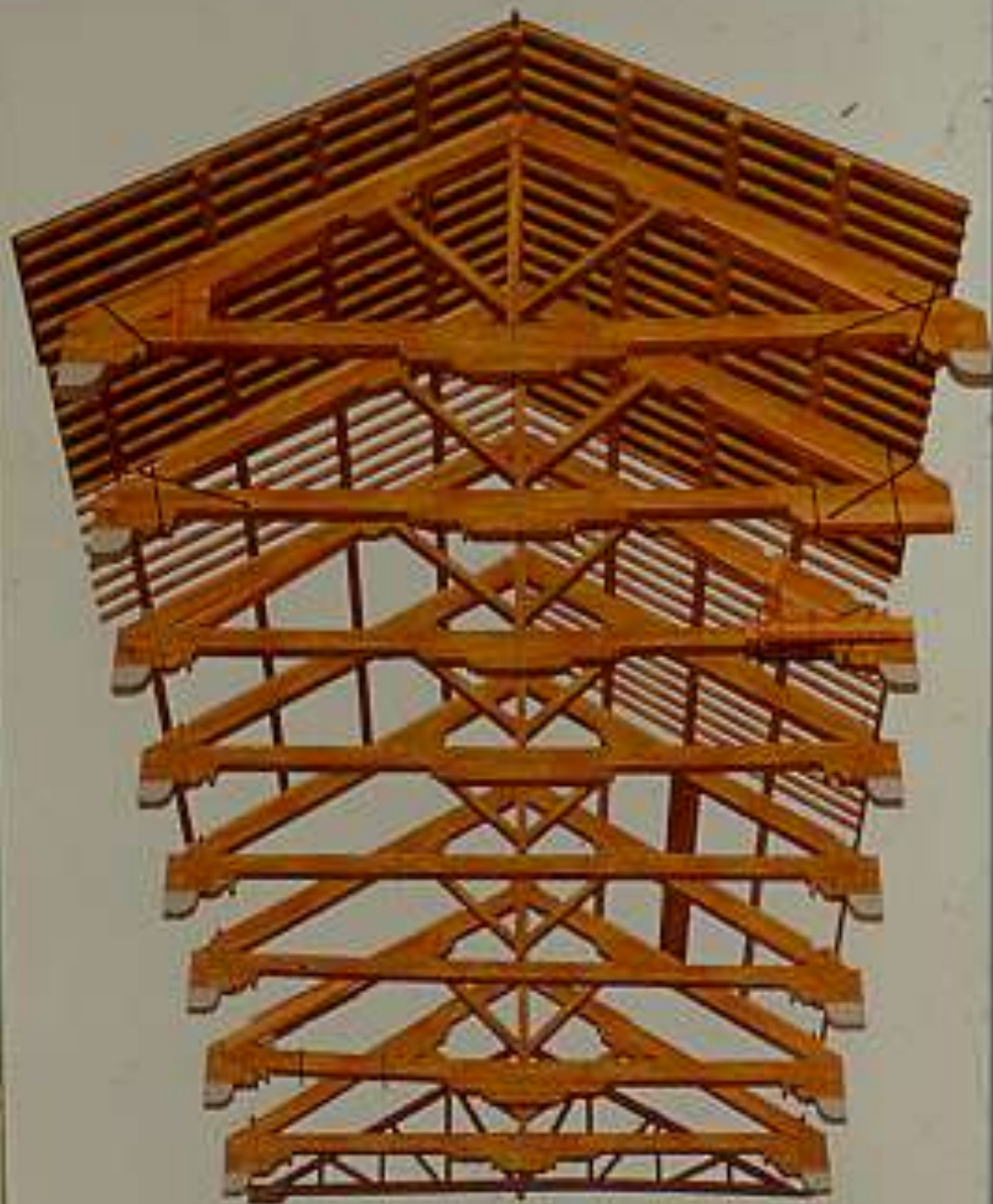
FIG. 12



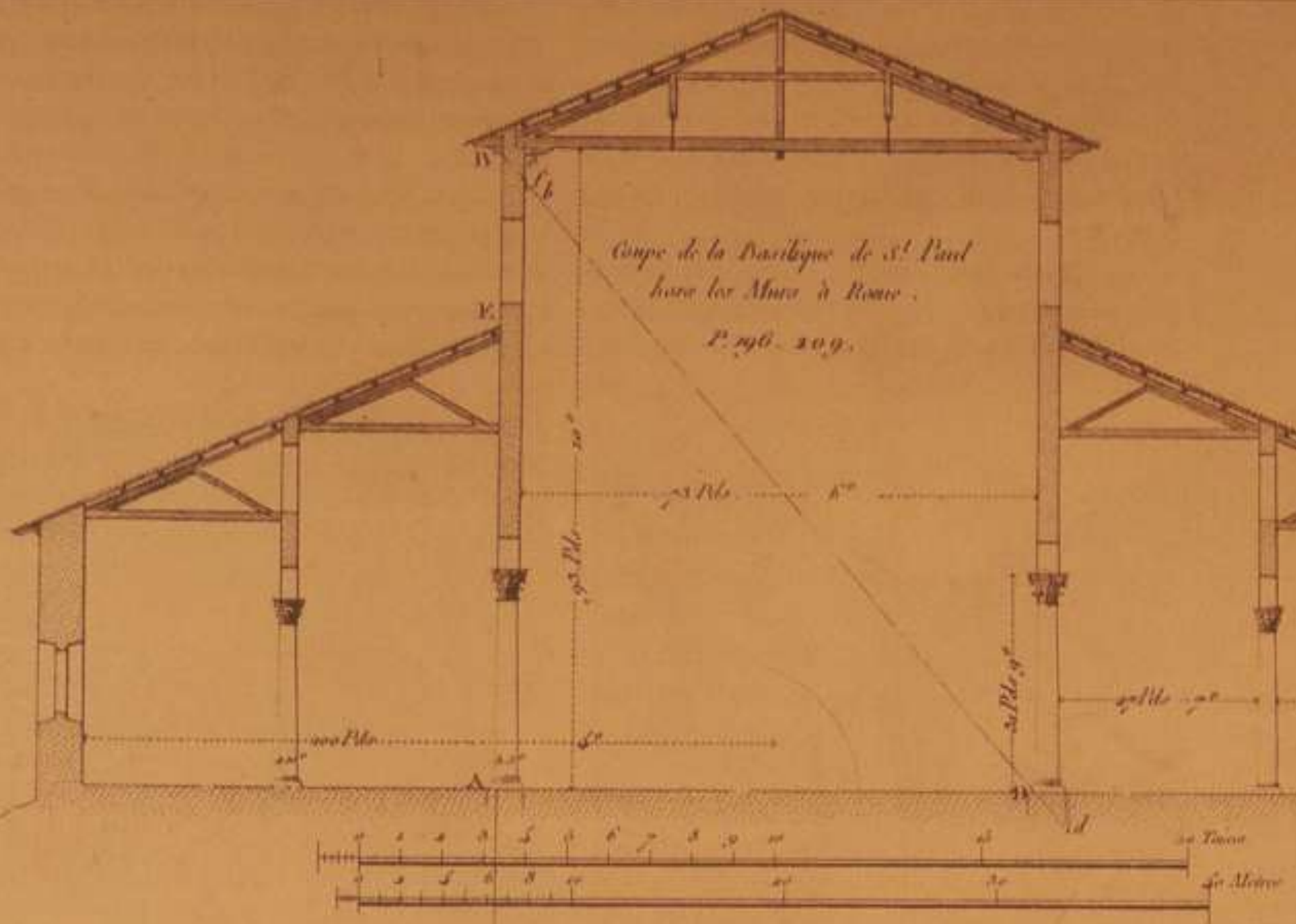
DETTAGLIO ②

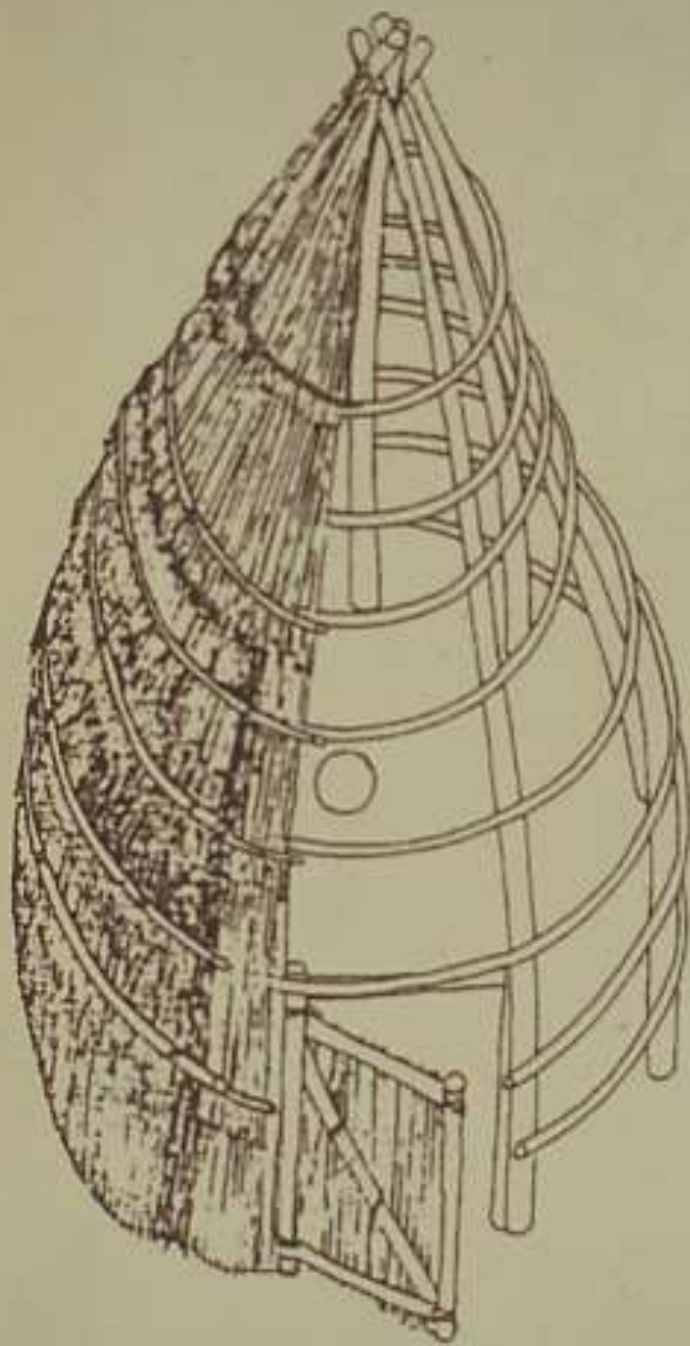
DETTAGLIO ③

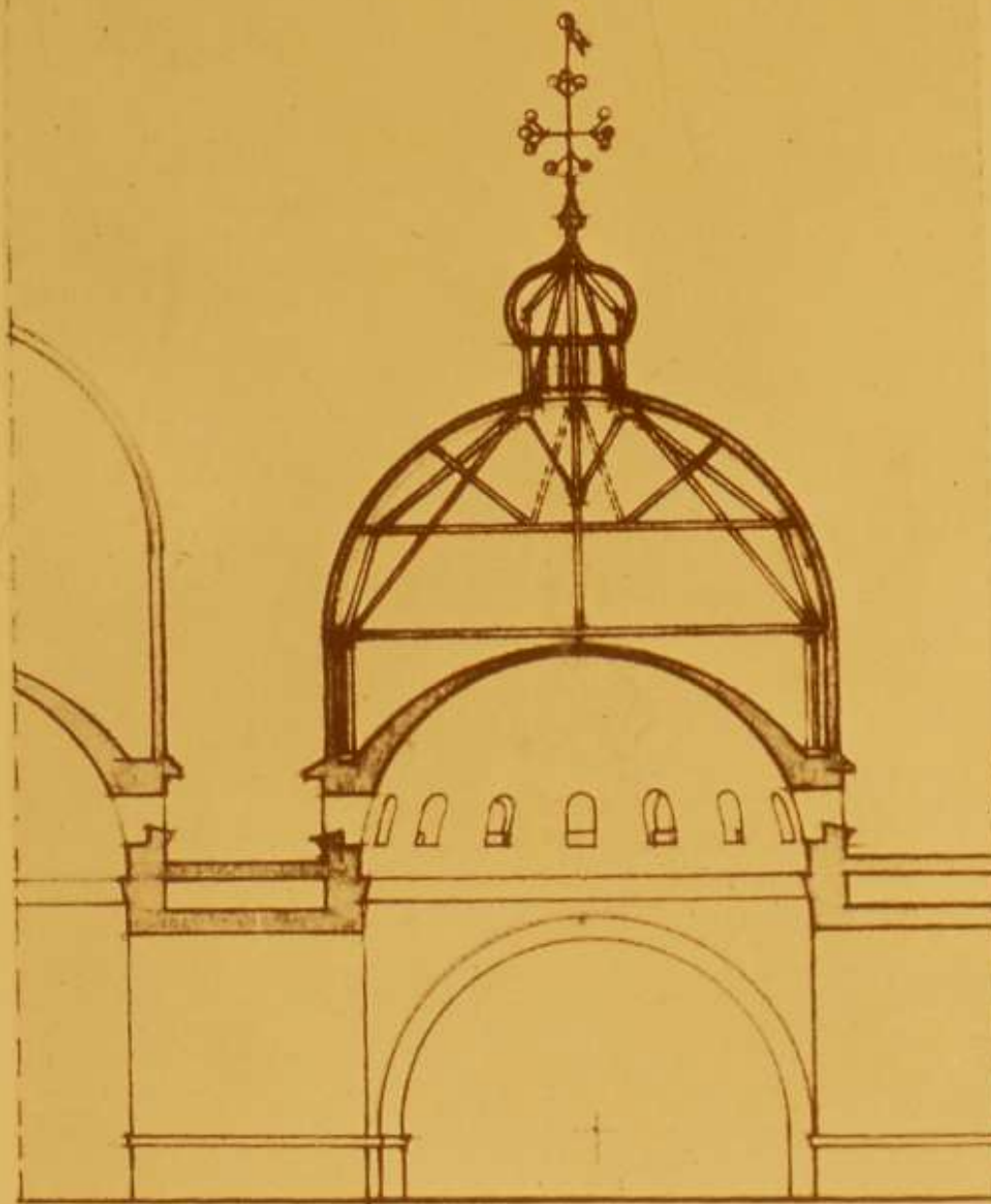
FIG. 13







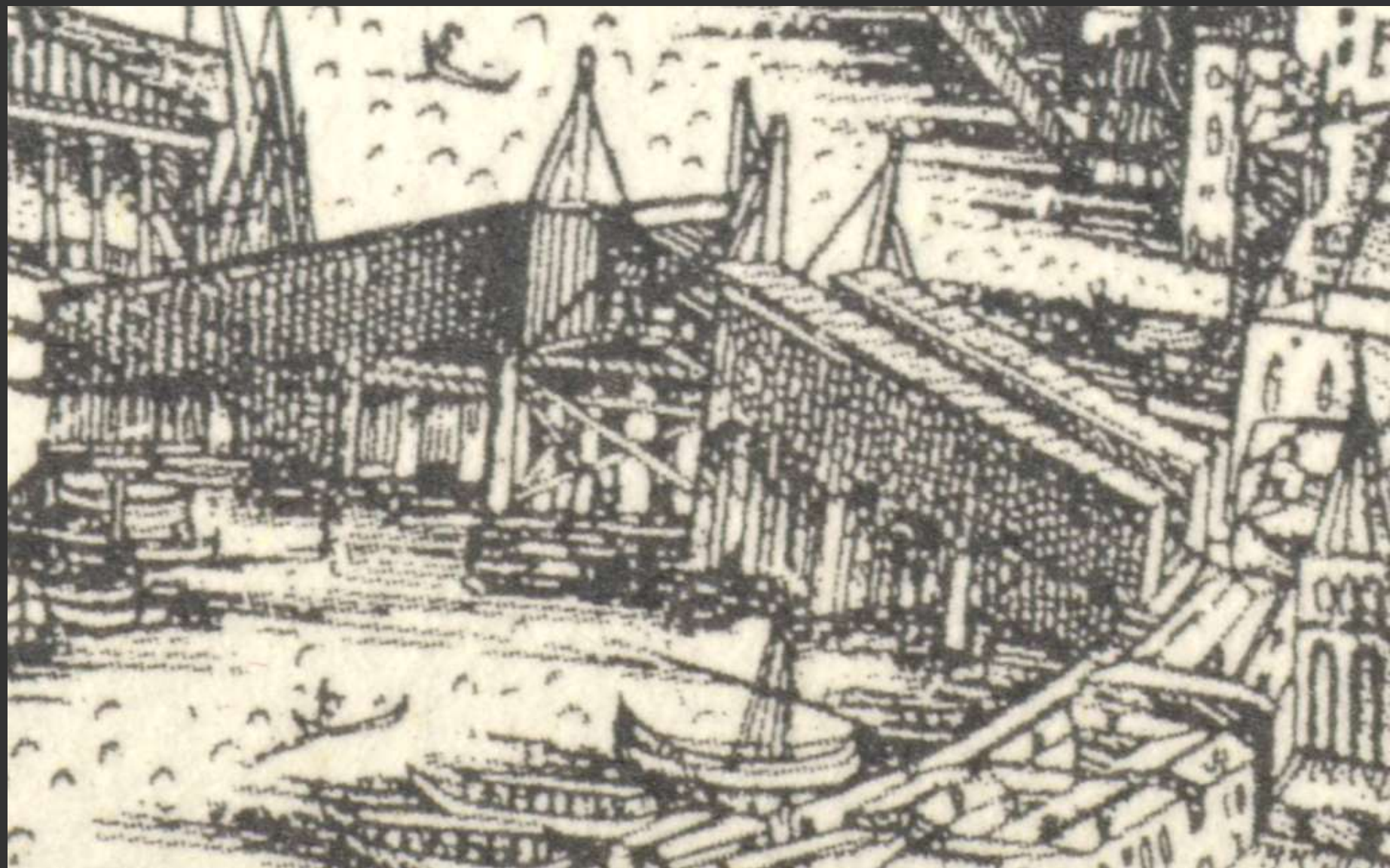




RAPPORTO

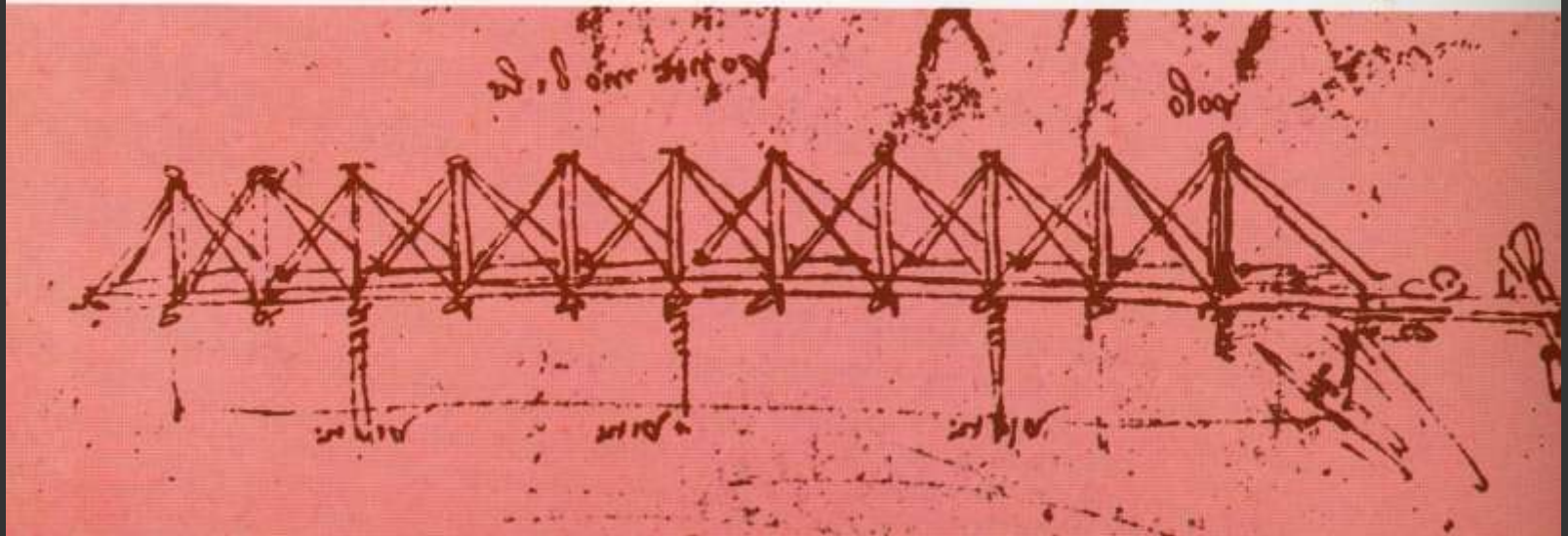
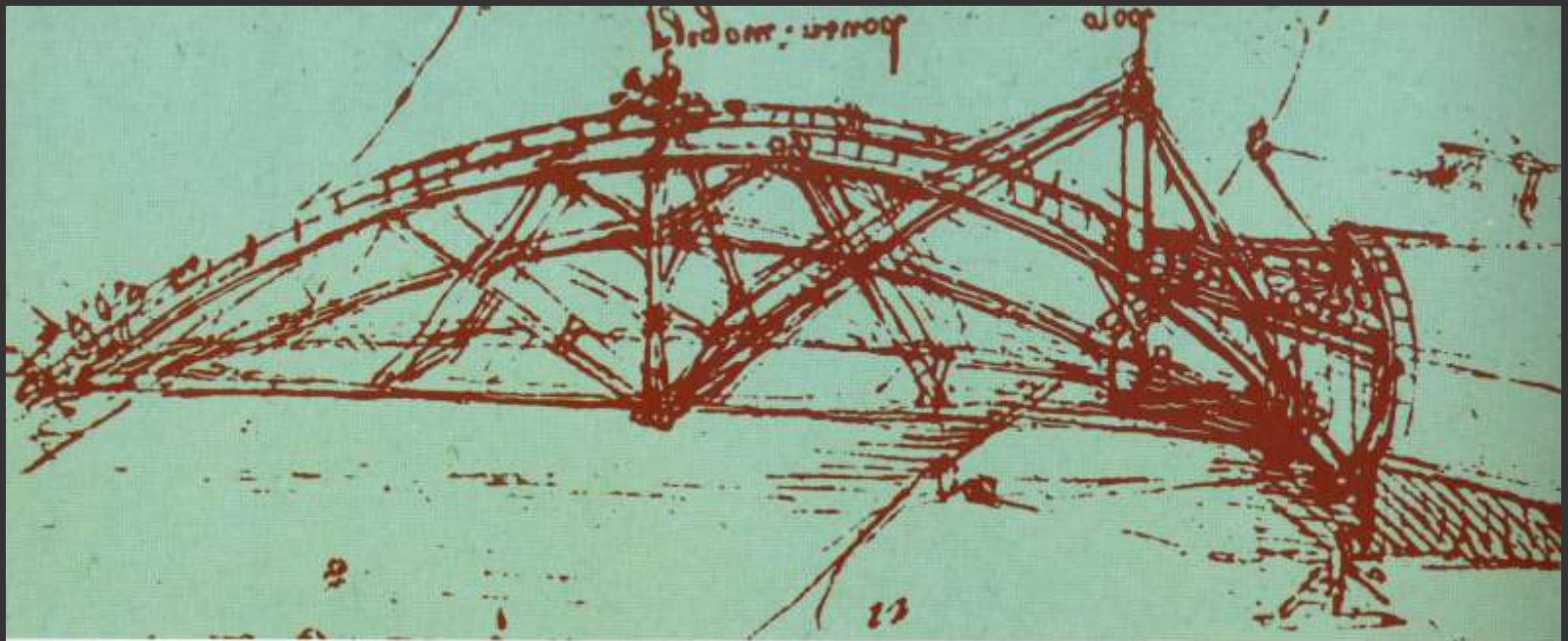


m. 10.00

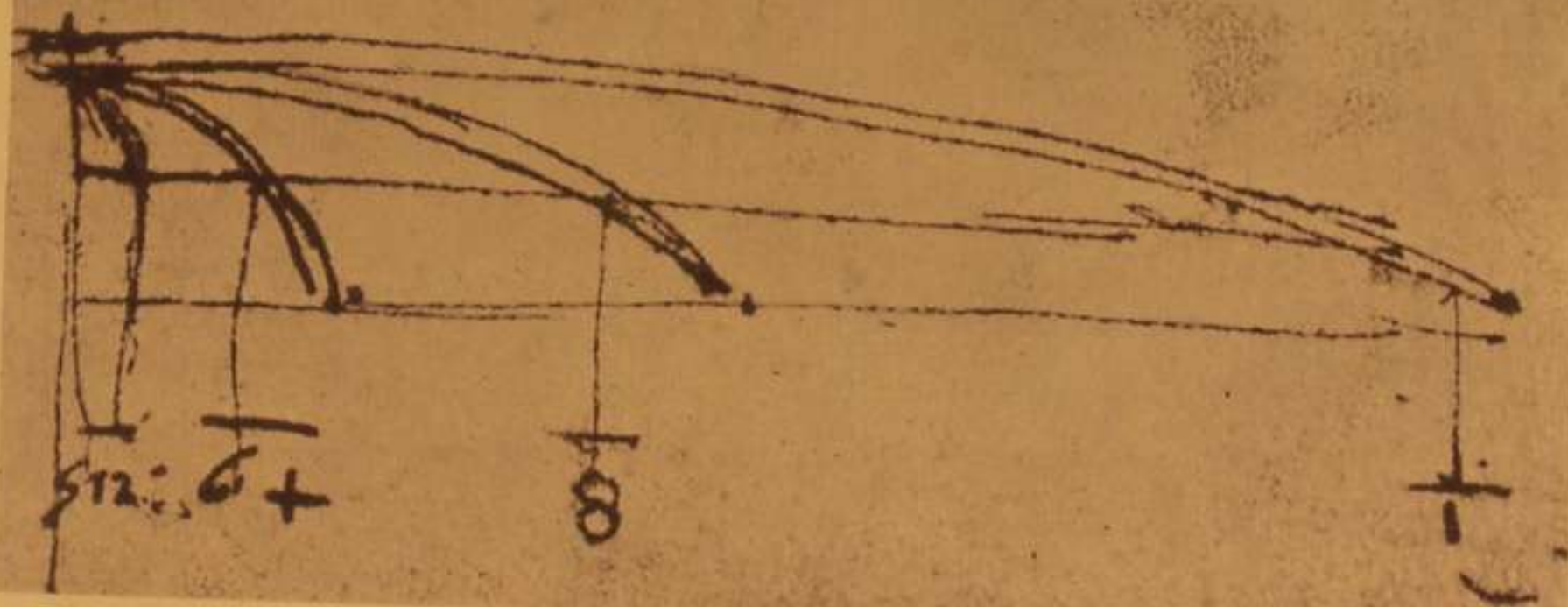




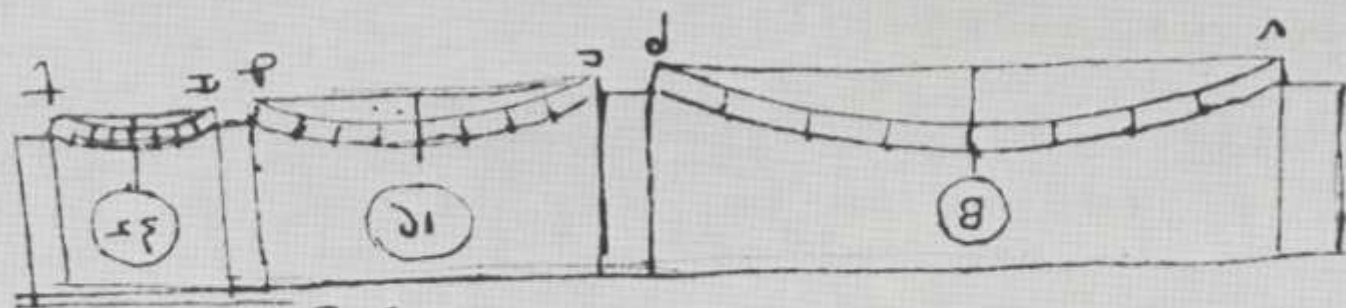




512. 6 + 8 + 12 = 25
 512. 6 + 8 + 12 = 25
 512. 6 + 8 + 12 = 25



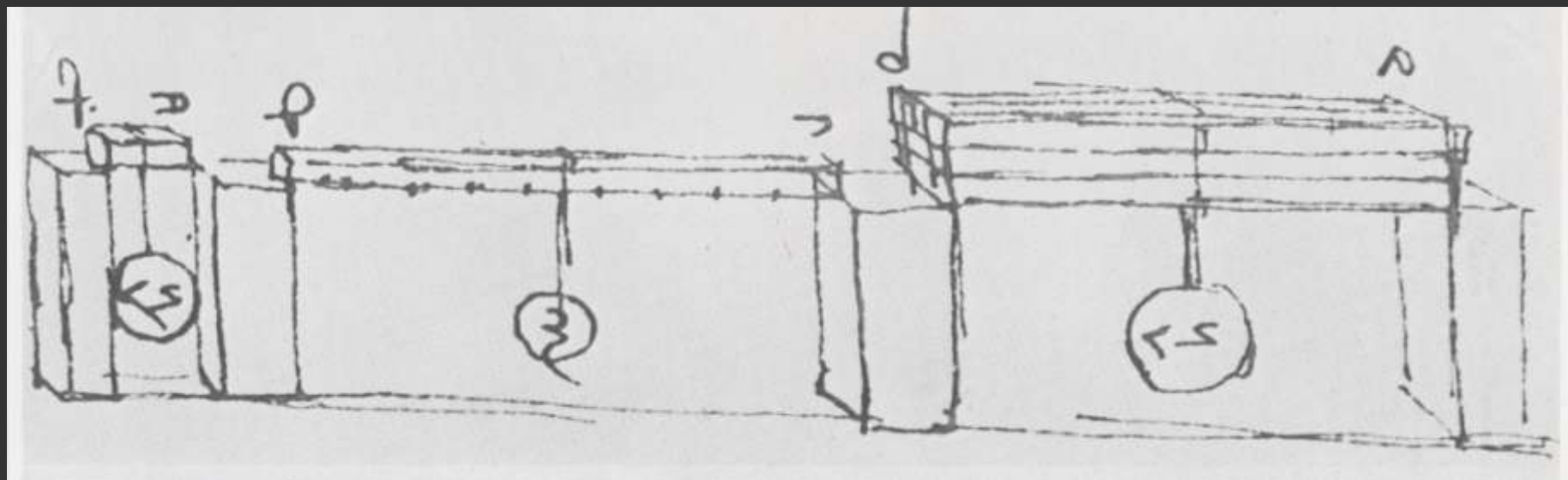
பிளாஸ்டிக் டிரைவ்ஸ் மெஷின்

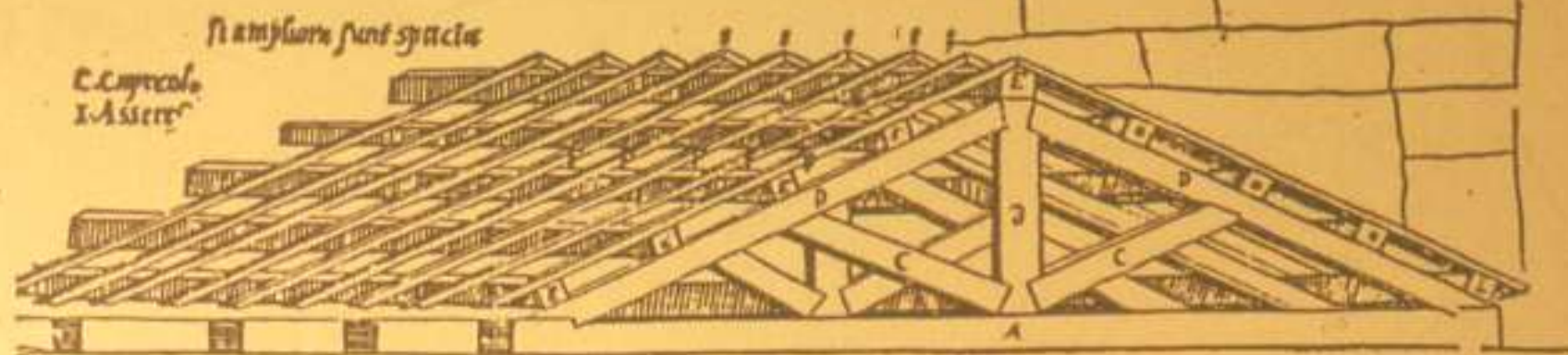
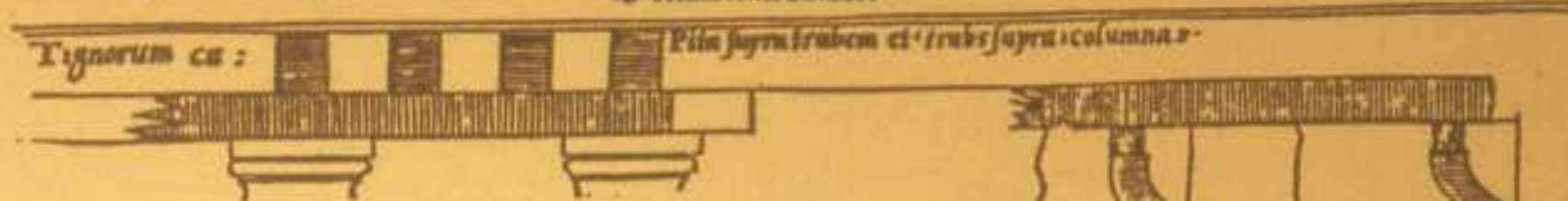


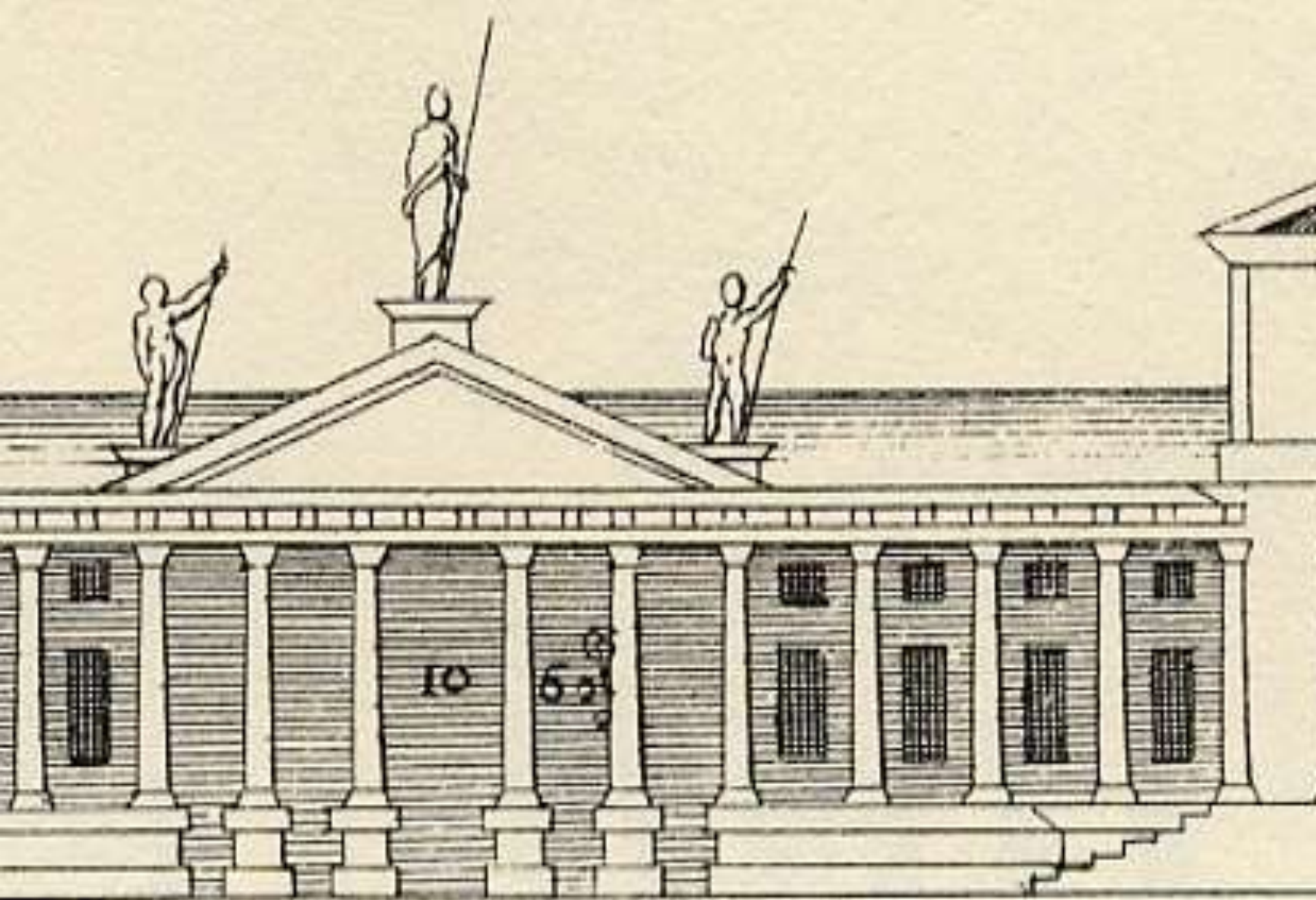
29

பிளாஸ்டிக் டிரைவ்ஸ் மெஷின் $\frac{1}{8}$ டிரைவ்ஸ் மெஷின்
 :பிளாஸ்டிக் டிரைவ்ஸ் மெஷின் $\frac{1}{8}$ டிரைவ்ஸ் மெஷின்
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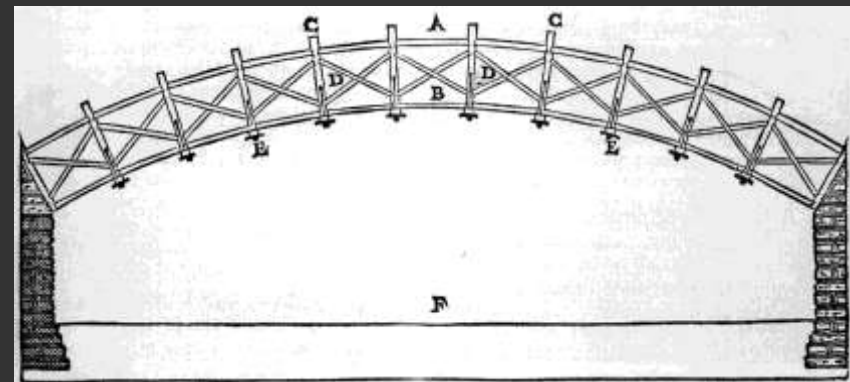
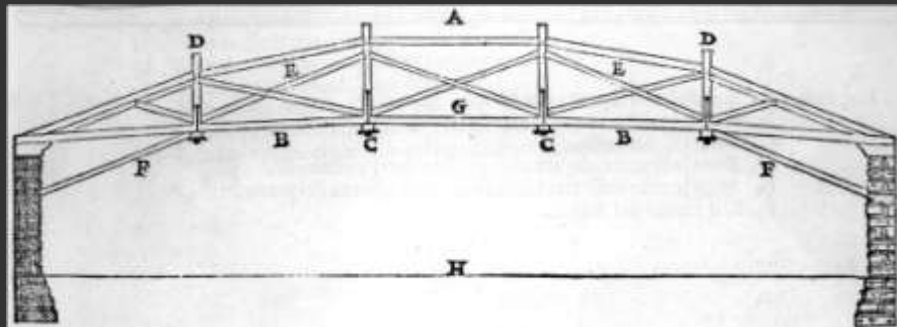
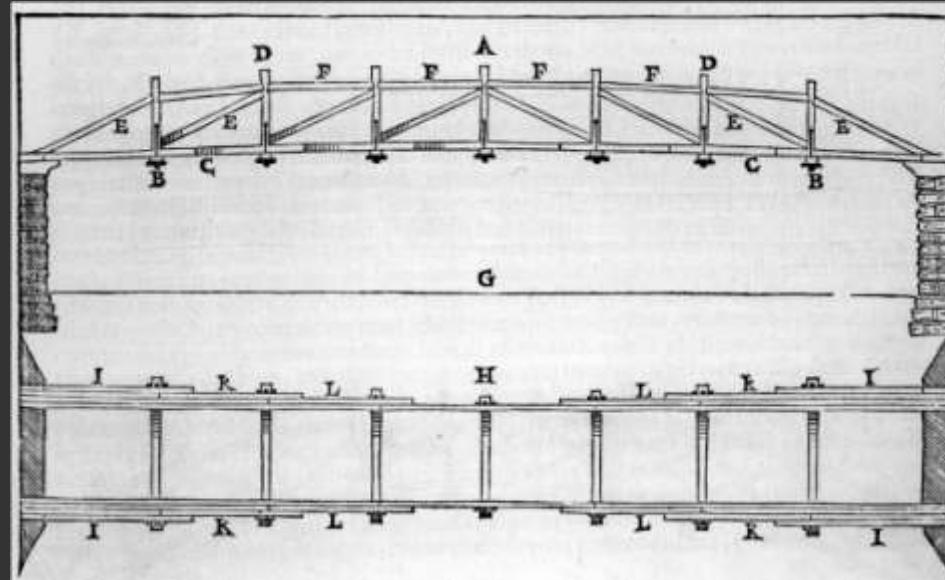
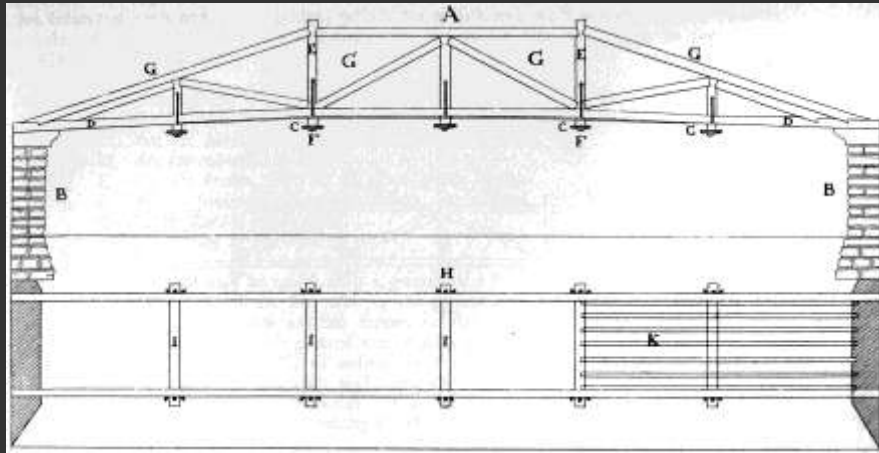
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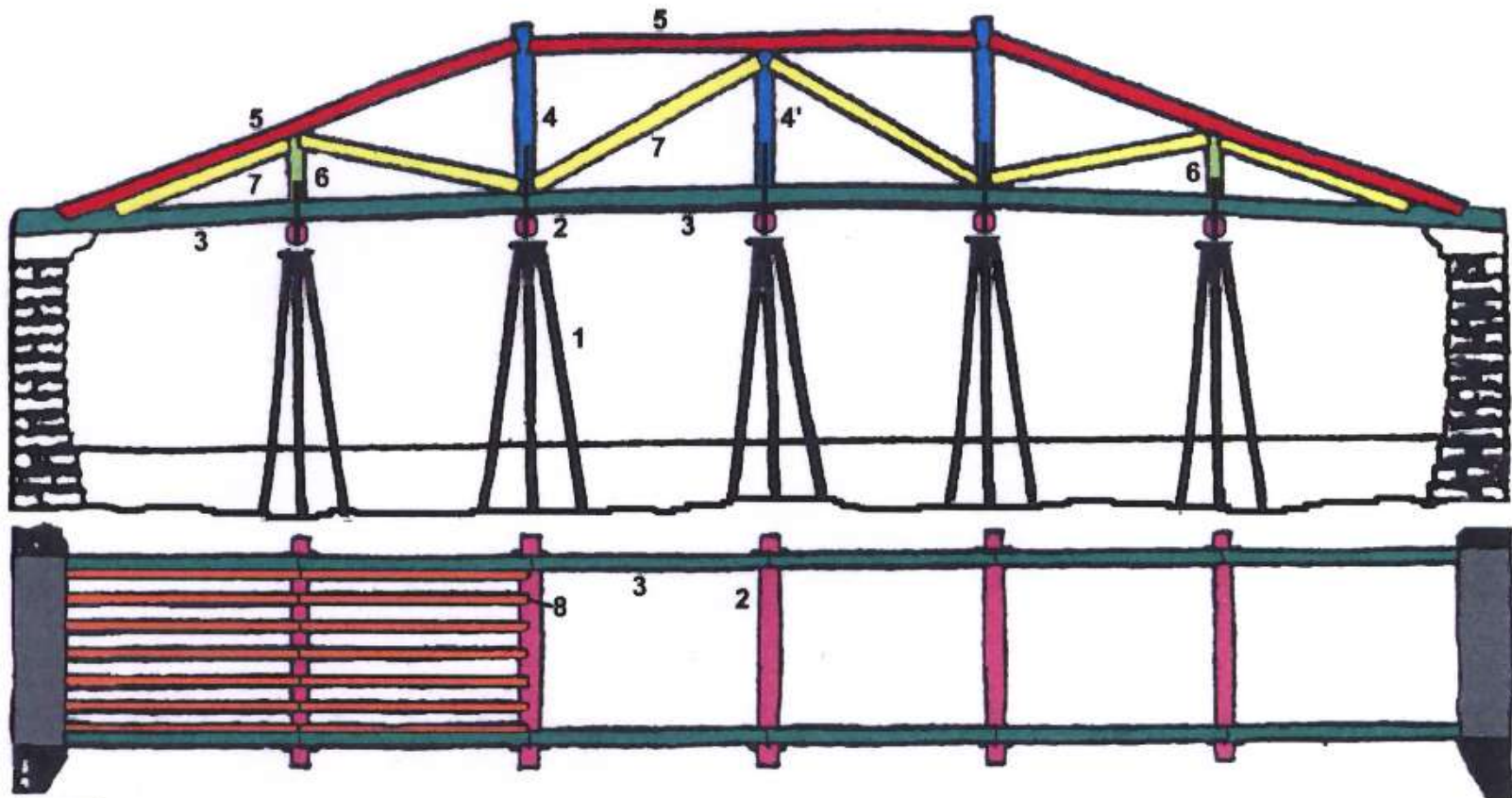














The Palladio's Timber Bridges:
The “invenzioni”
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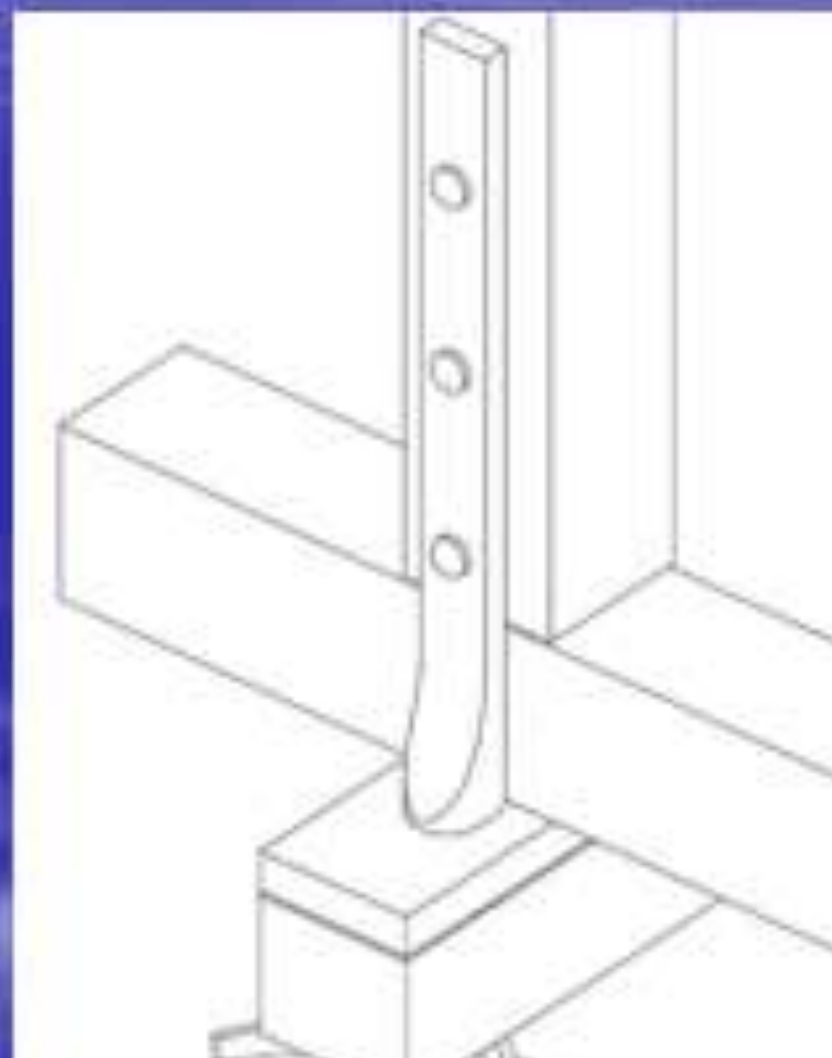
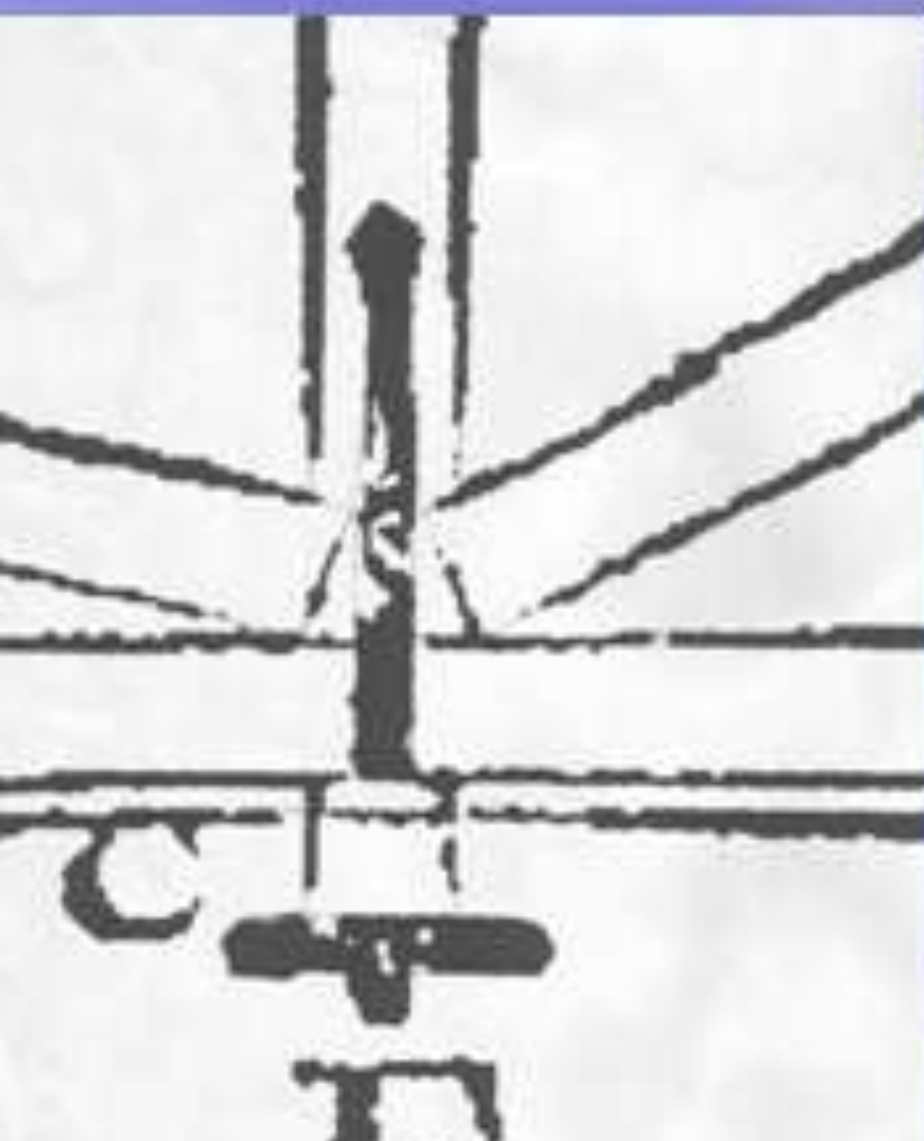


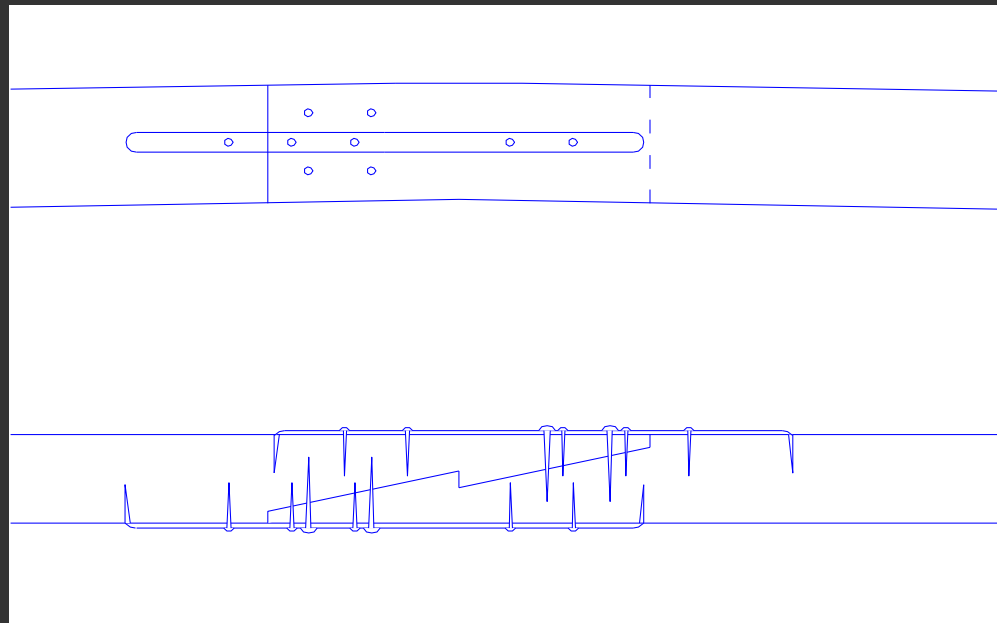
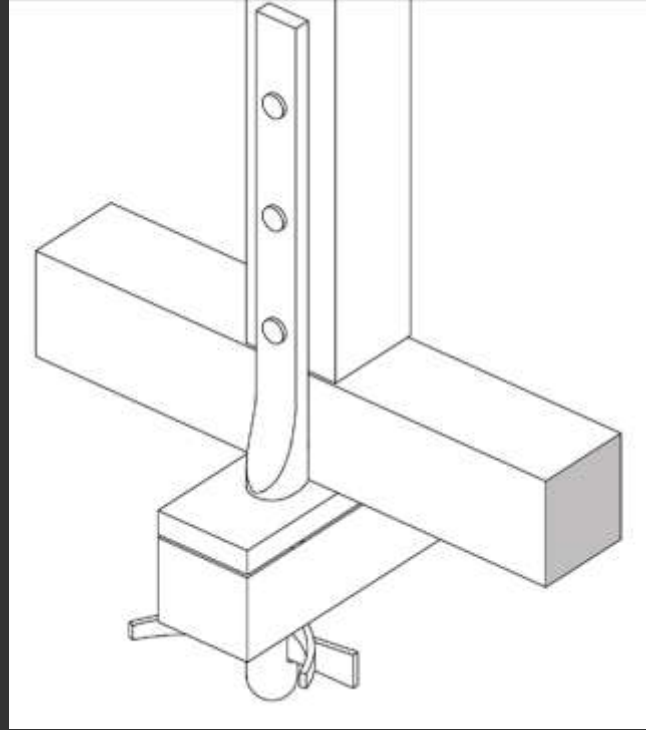
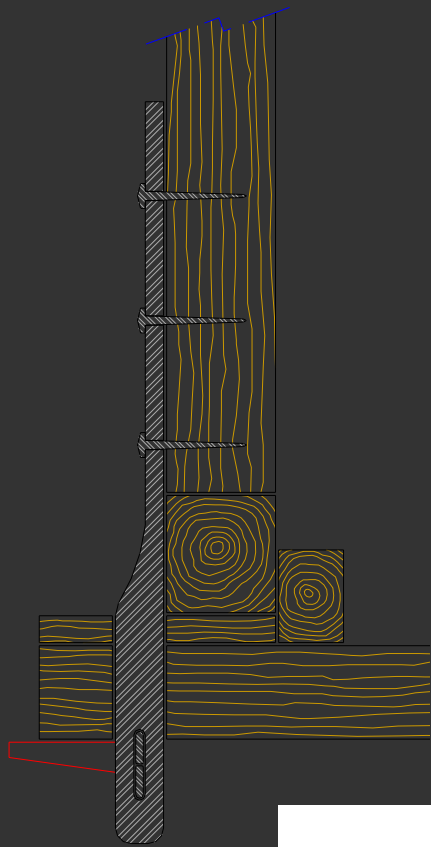


- | | |
|--|--|
|  1.) POSA DEI SOSTEGNI PROVVISORI 1 |  8.) COLLOCAZIONE DEL CORRENTE SUPERIORE 5 |
|  2.) POSA DELLE TRAVERSE AGLI APPOGGI 2 |  9.) INSERIMENTO DEI COLONNELLI SECONDARI 6 |
|  3.) POSA DELLE TRAVI DI SPONDA 3 |  10.) COLLOCAZIONE DELLE ASTE DIAGONALI 7 |
| 4.) COLLEGAMENTI ALLE ESTREMITA' DELLE TRAVI 3 |  11.) APPOSIZIONE DEI TRAVICELLI 8 |
| 5.) INSERIMENTO DEGLI ARPESI NELLE TRAVERSE | 12.) [APPOSIZIONE DEL TAVOLATO DI CALPESTIO E DI IRRIGIDIMENTO PARALLELAMENTE ALLE TRAVERSE] |
|  6.) POSA DEI COLONNELLI PRINCIPALI 4, 4' | |

The Palladio's Timber Bridges: ***The Contrivance***

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University of Florence









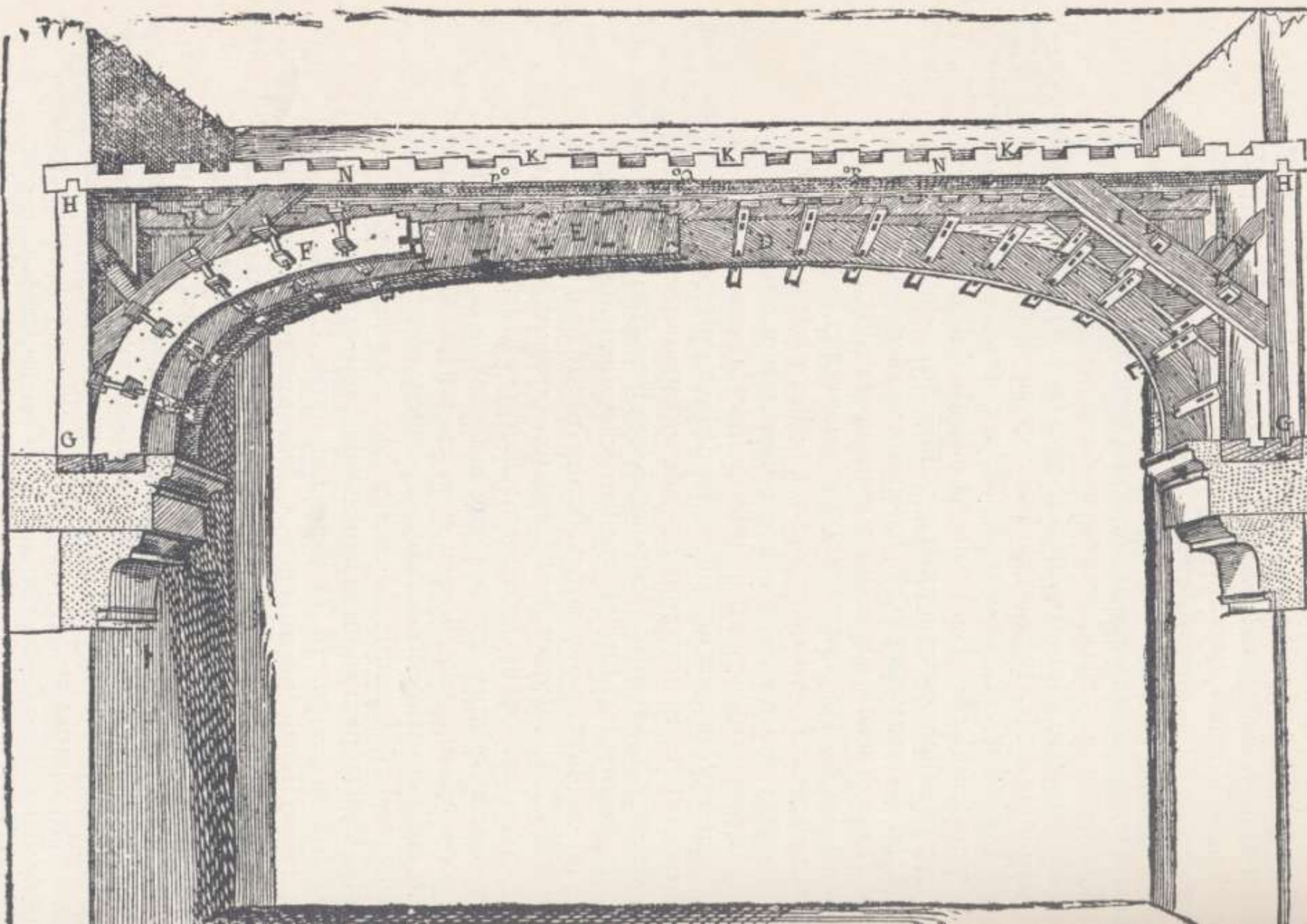




Fig. 1.

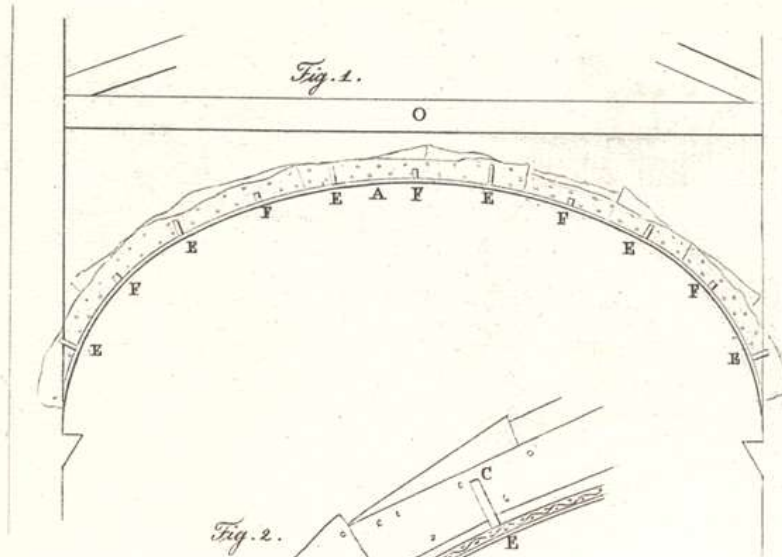


Fig. 2.

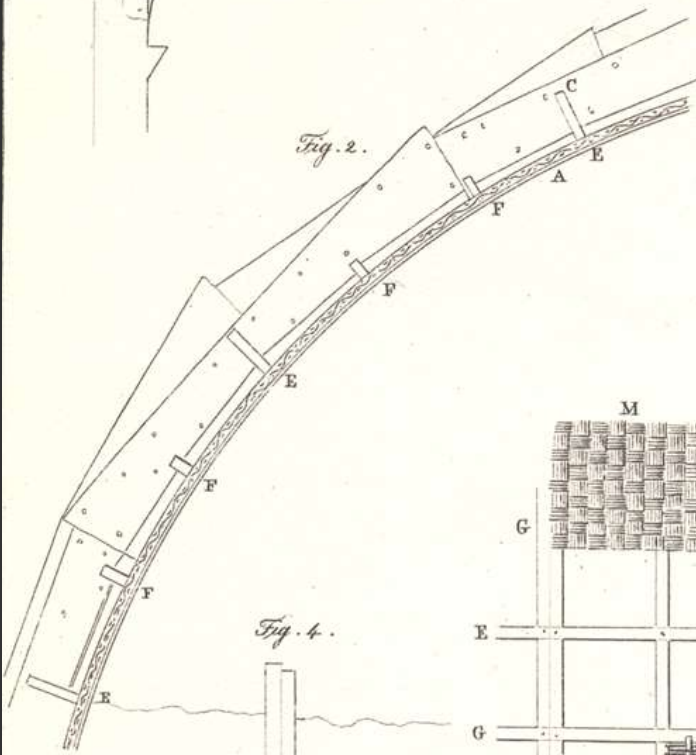


Fig. 4.

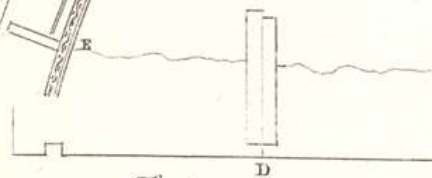


Fig. 5.

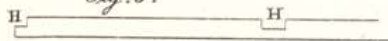
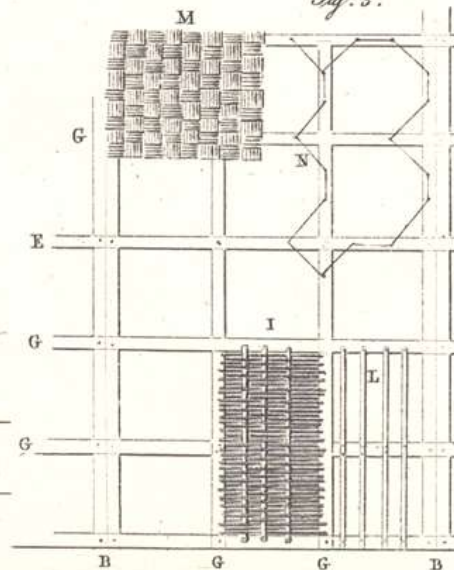
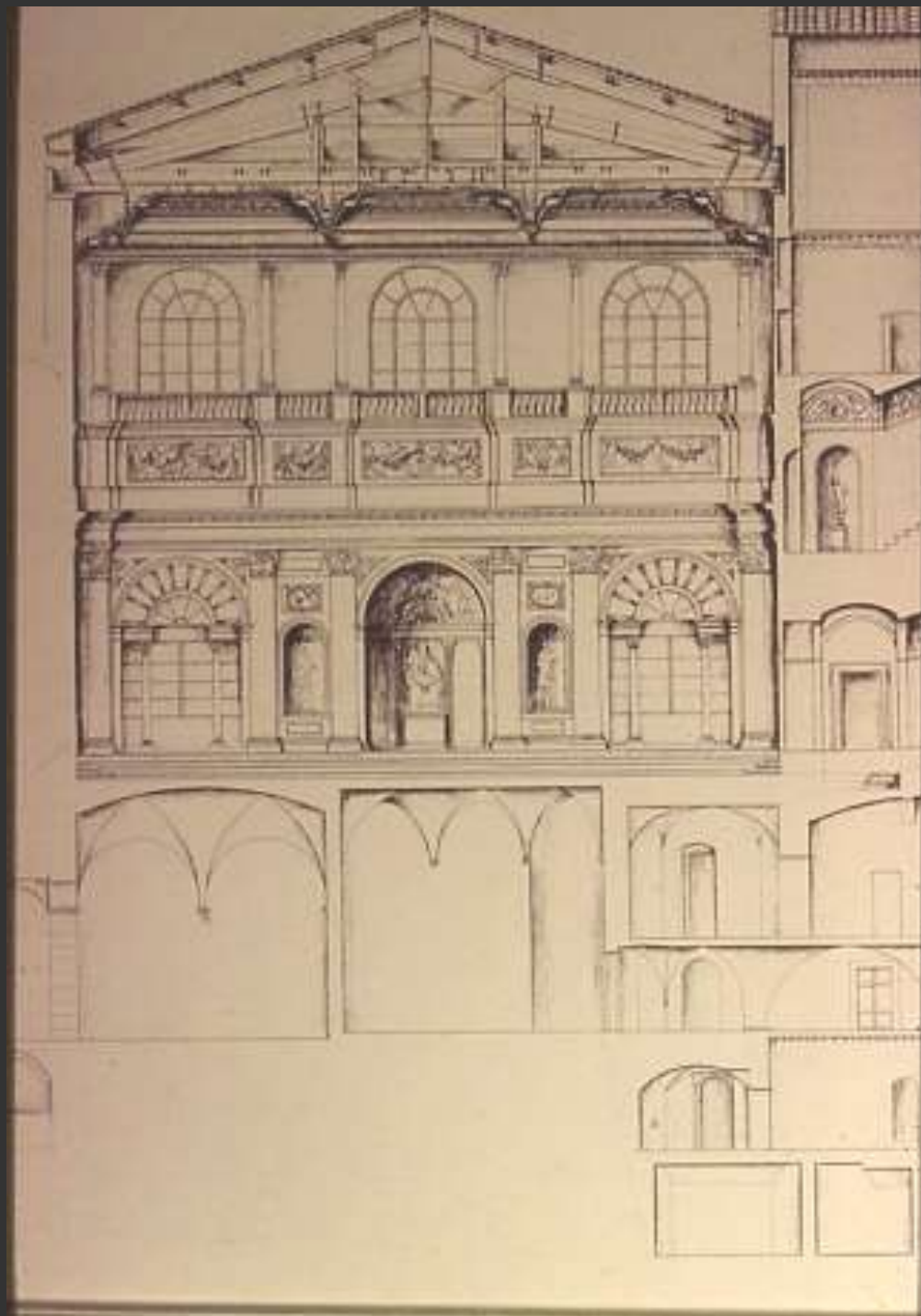


Fig. 3.

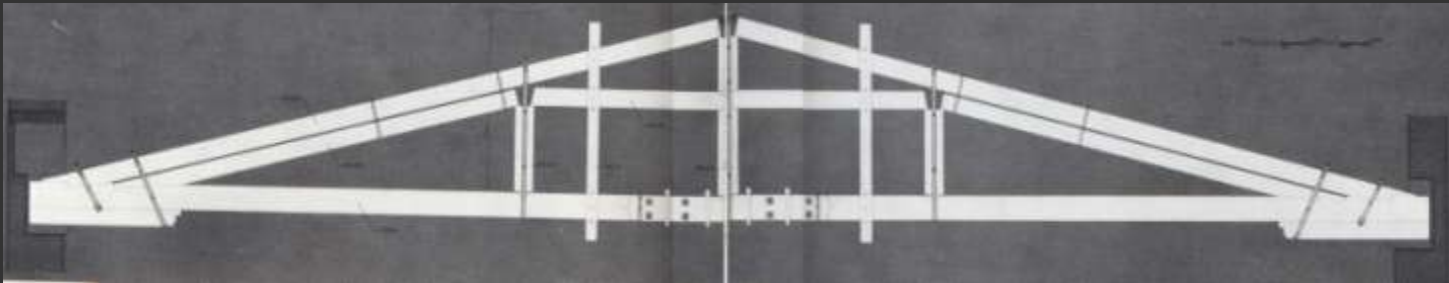
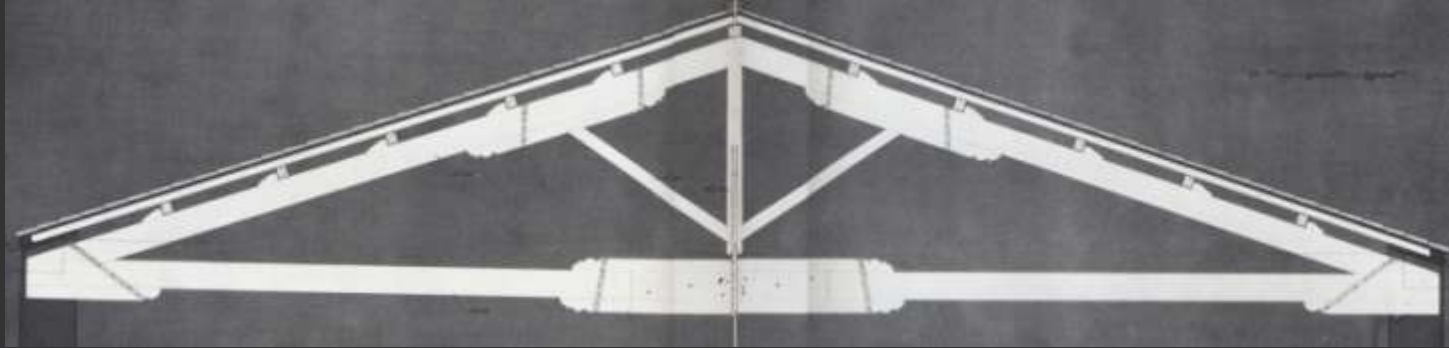


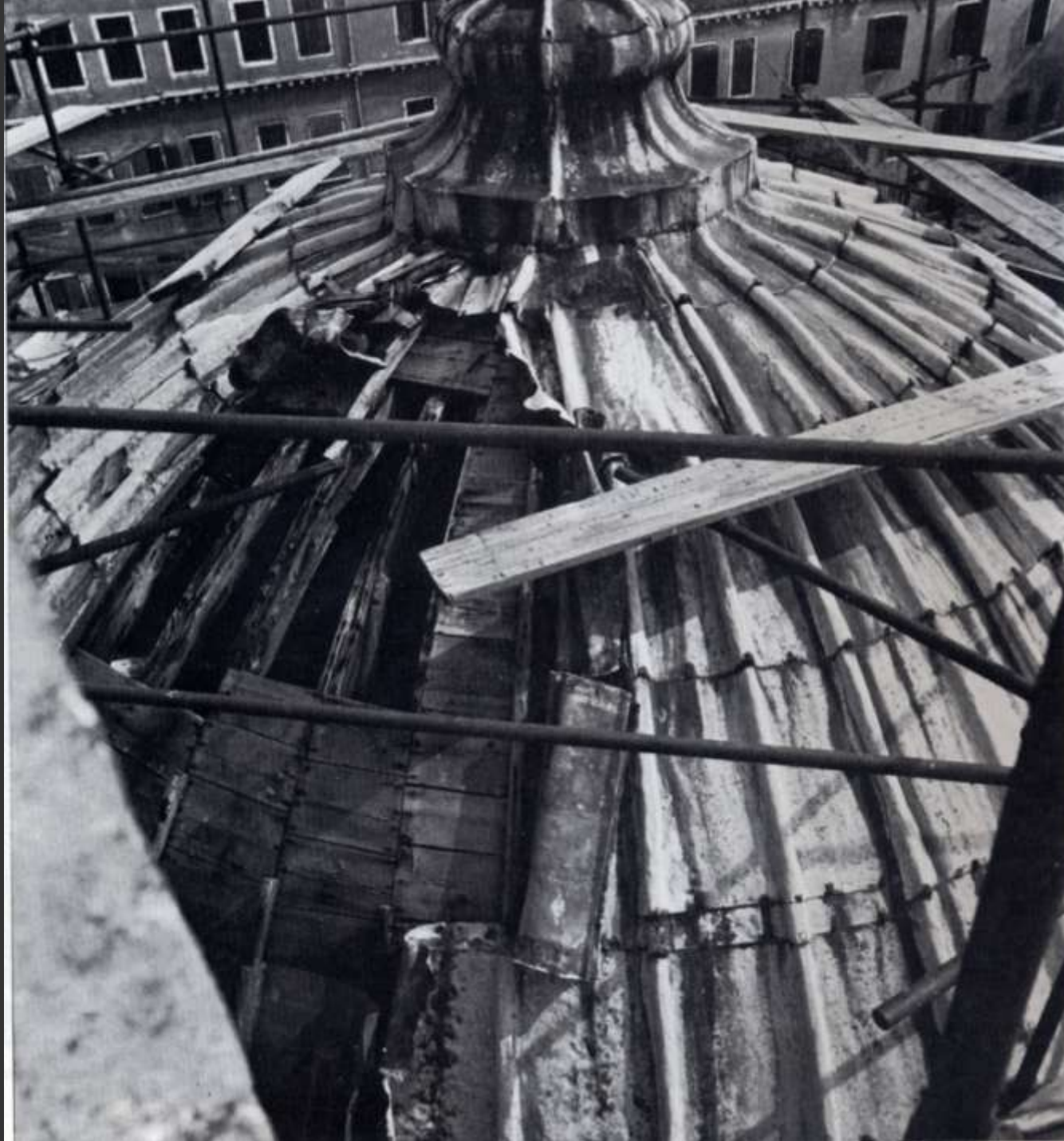




The Palladio's Timber Bridges:
The Generation of the Structural Configuration

Tampone, Funis





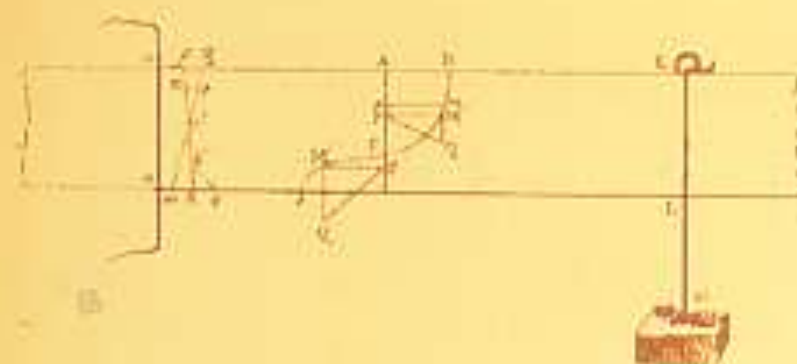
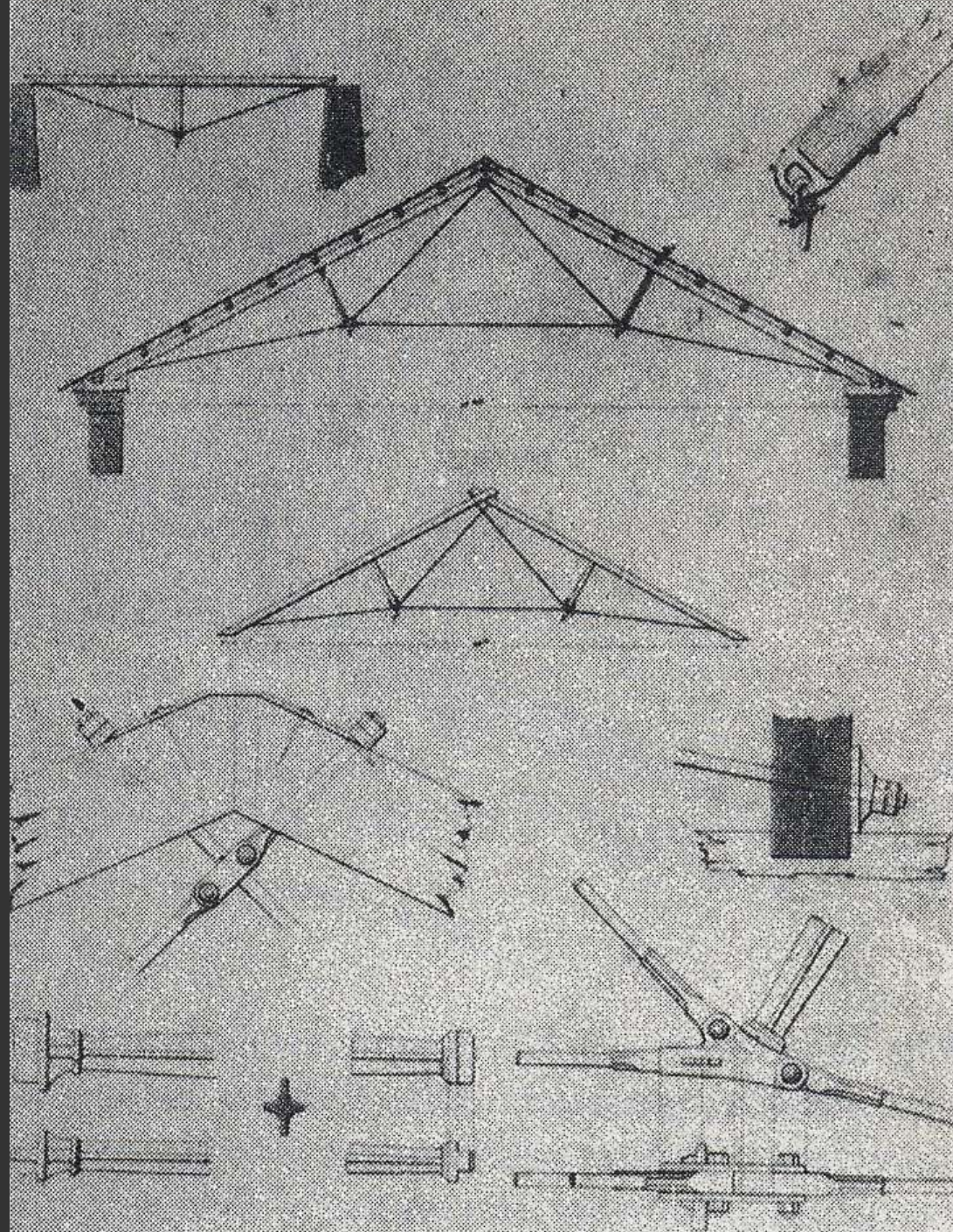
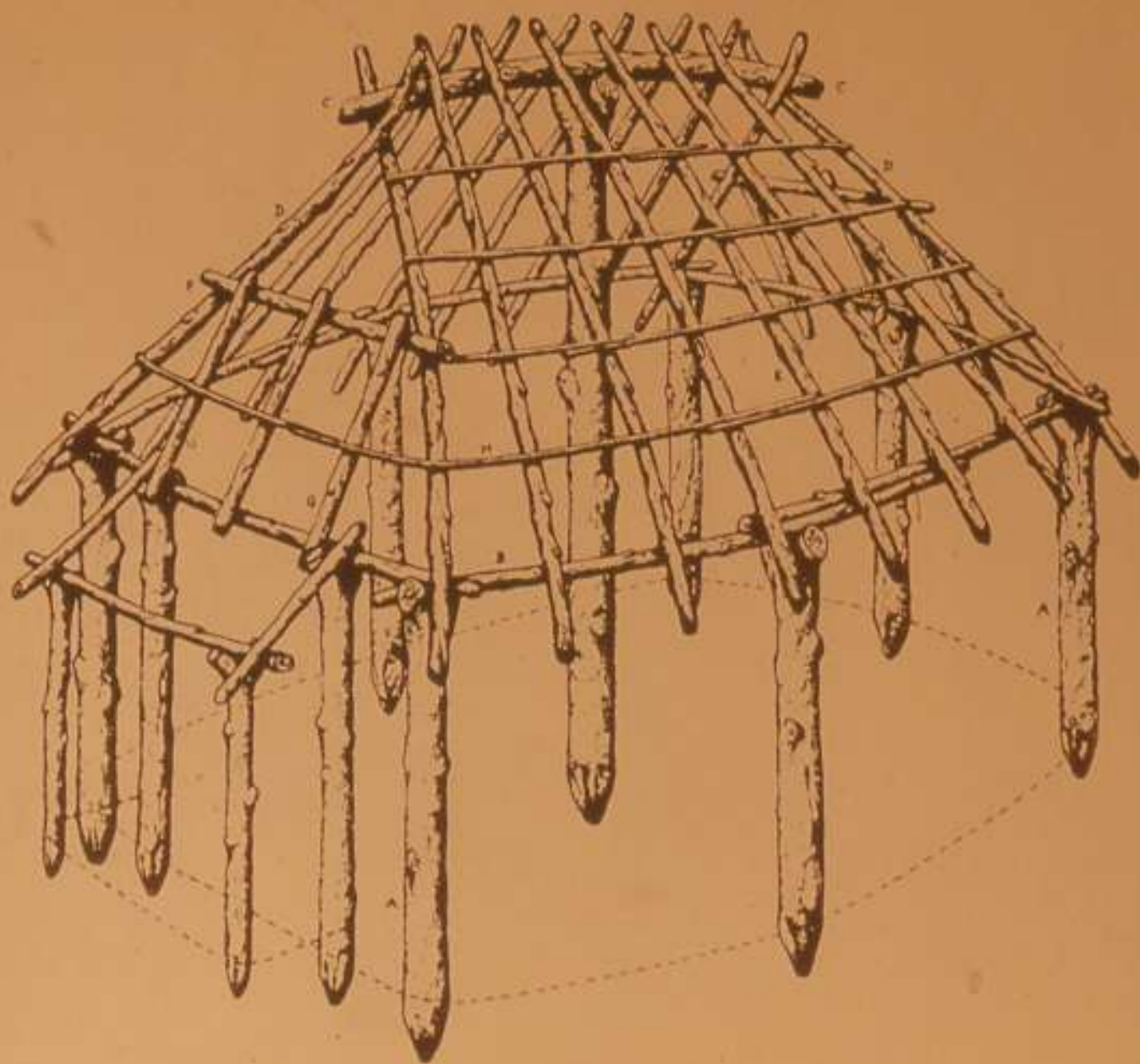


Fig. 2.23 Trave lignea a mensola, caricata all'estremità, di Galileo Galilei e corretta interpretazione della distribuzione interna delle tensioni proposta da Coulomb (v. testo; da R. Mainstone, cit.).

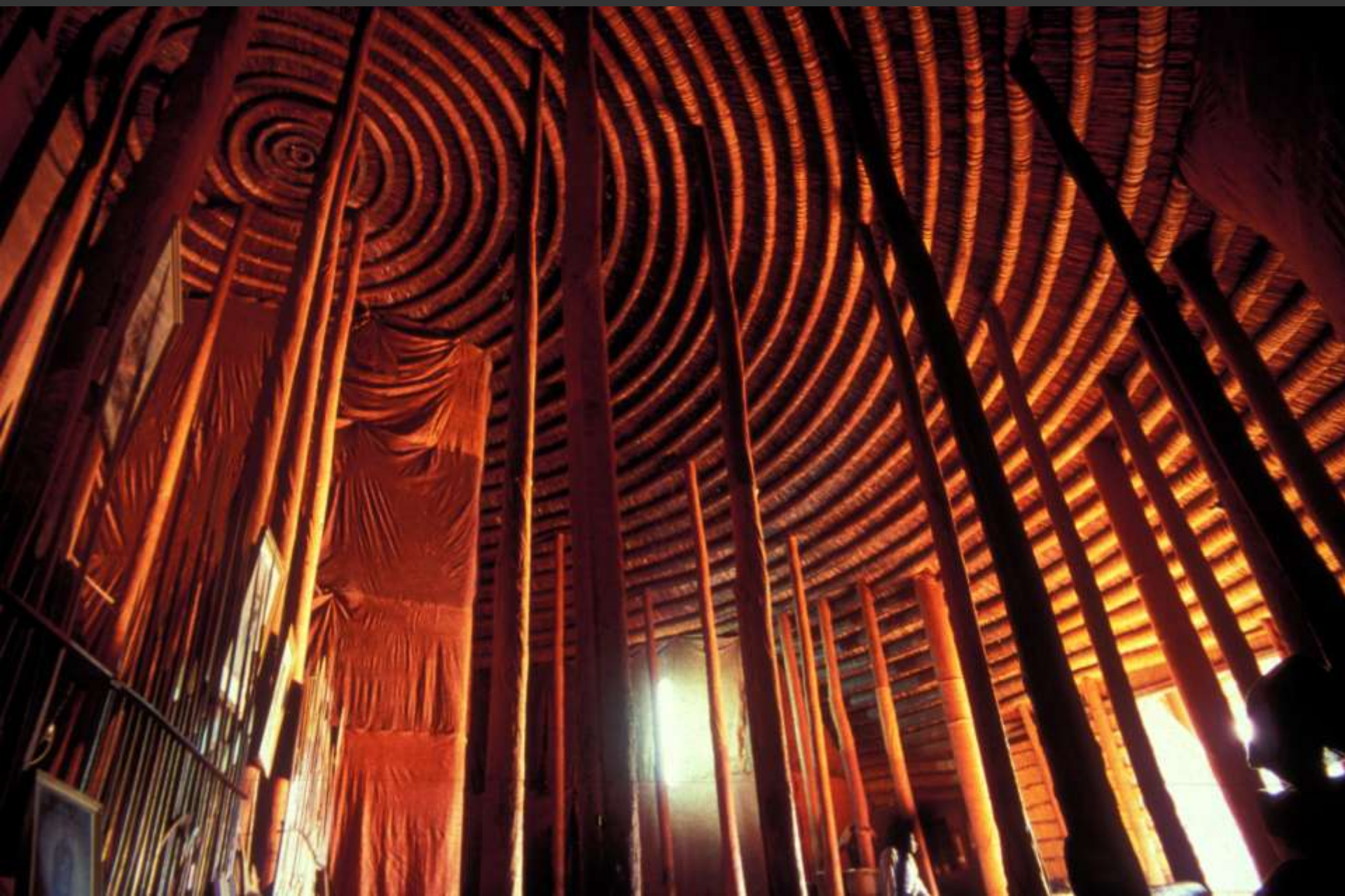


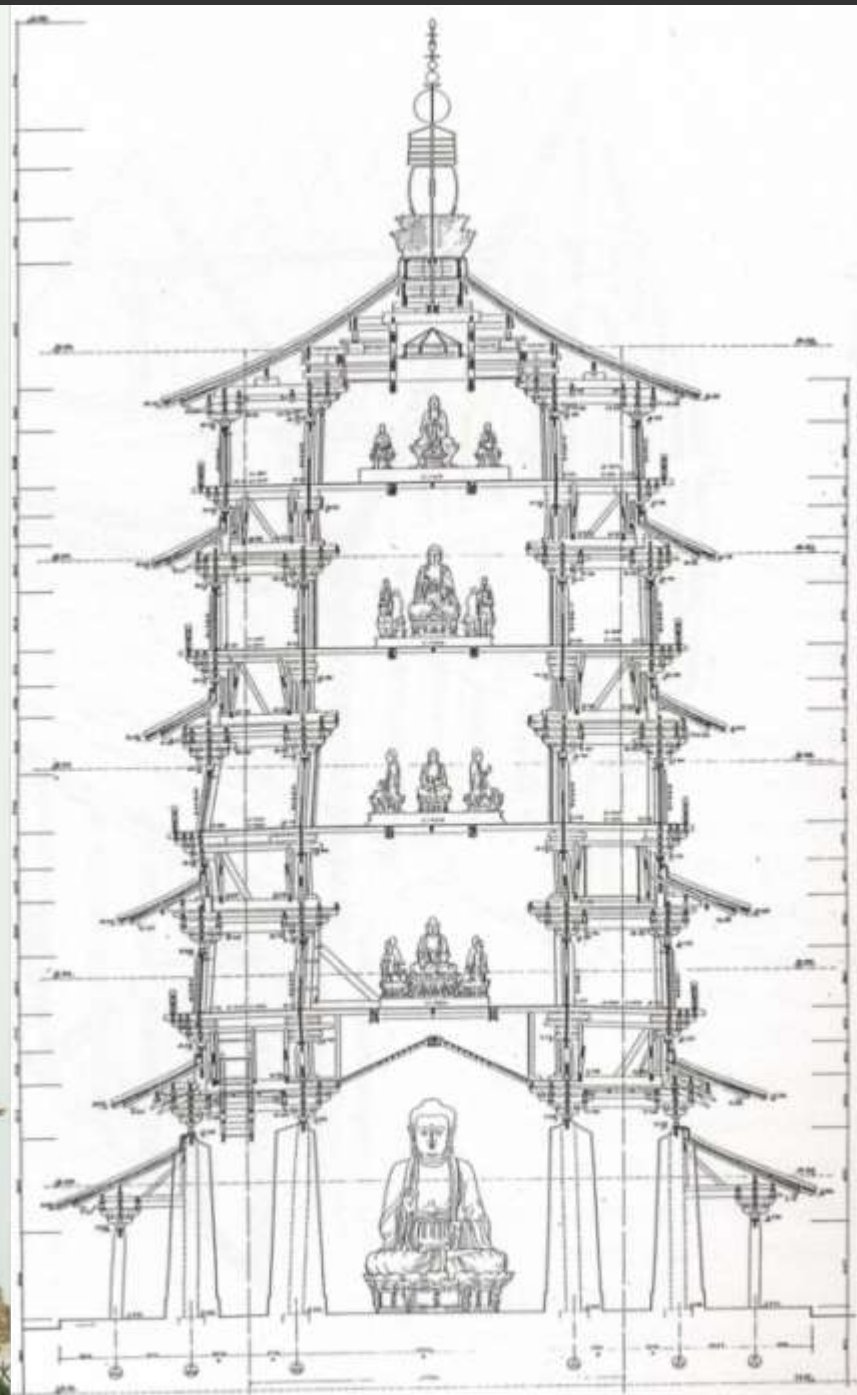


A

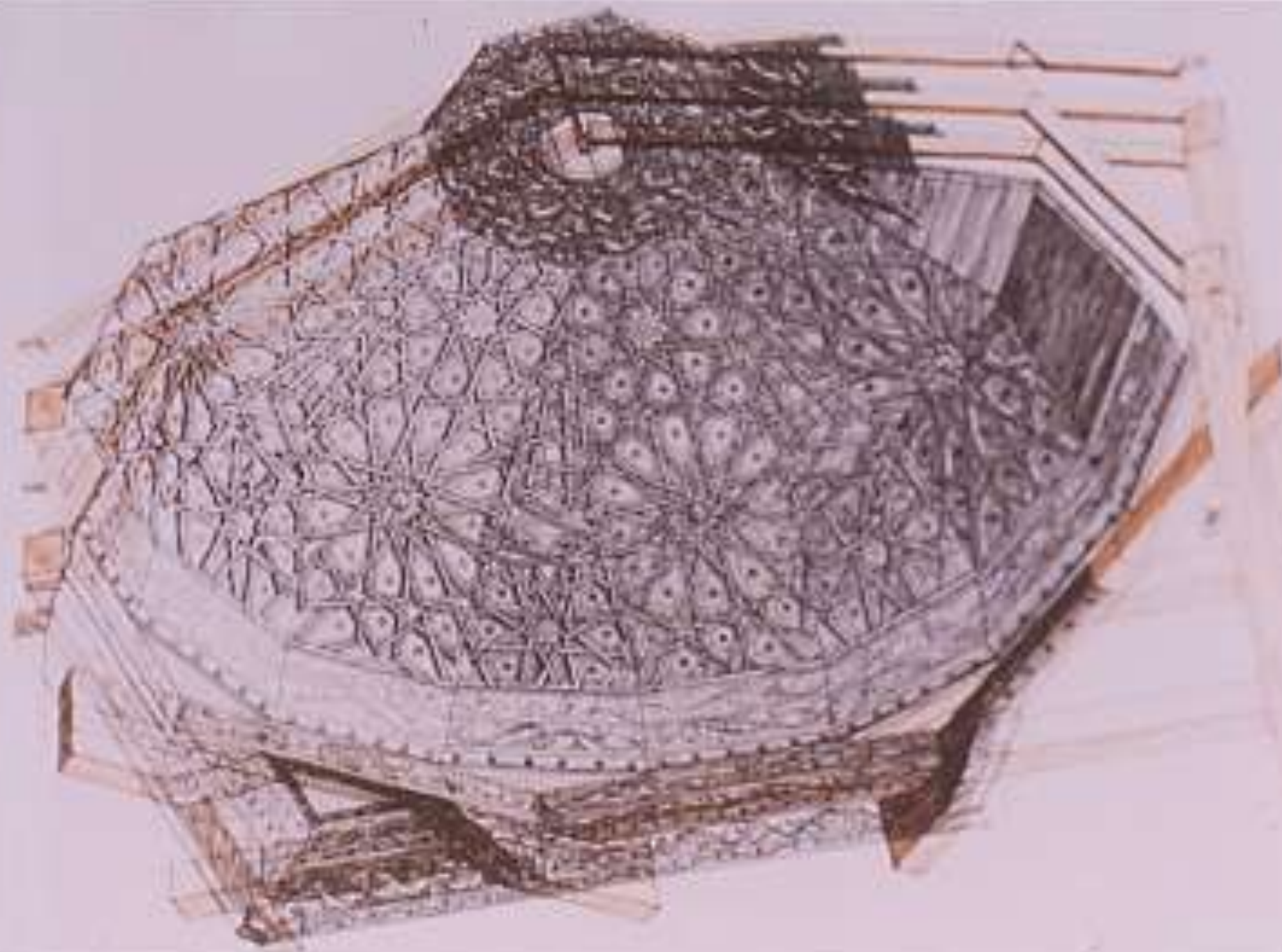


A-FURCAE
 B-MYTVLI
 C-COLVMEN
 D-CAPREOLI
 E-CANTHERII
 F-TRANSTRA
 G-INTERPENSIVAE
 H-TEMPLA







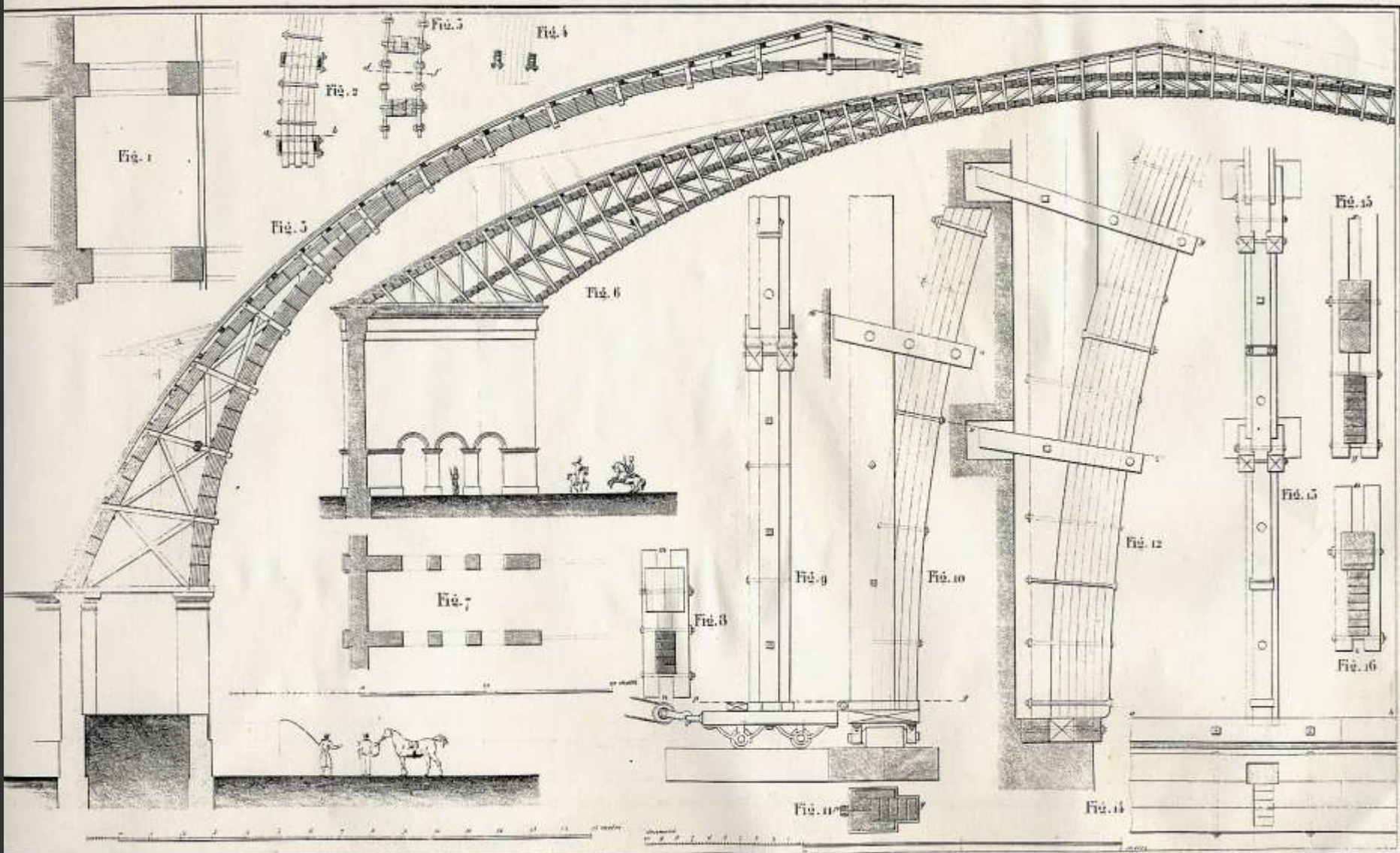






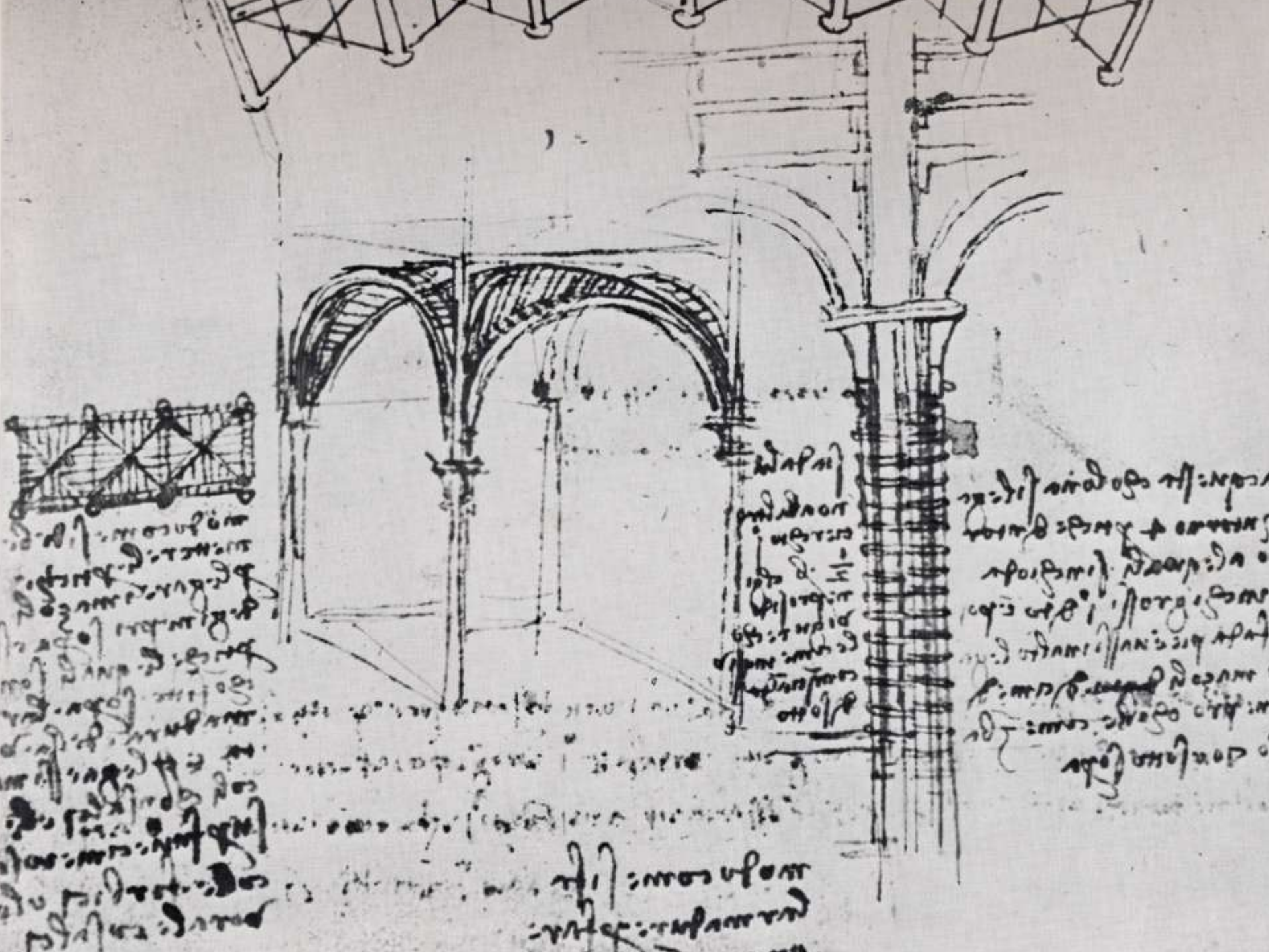




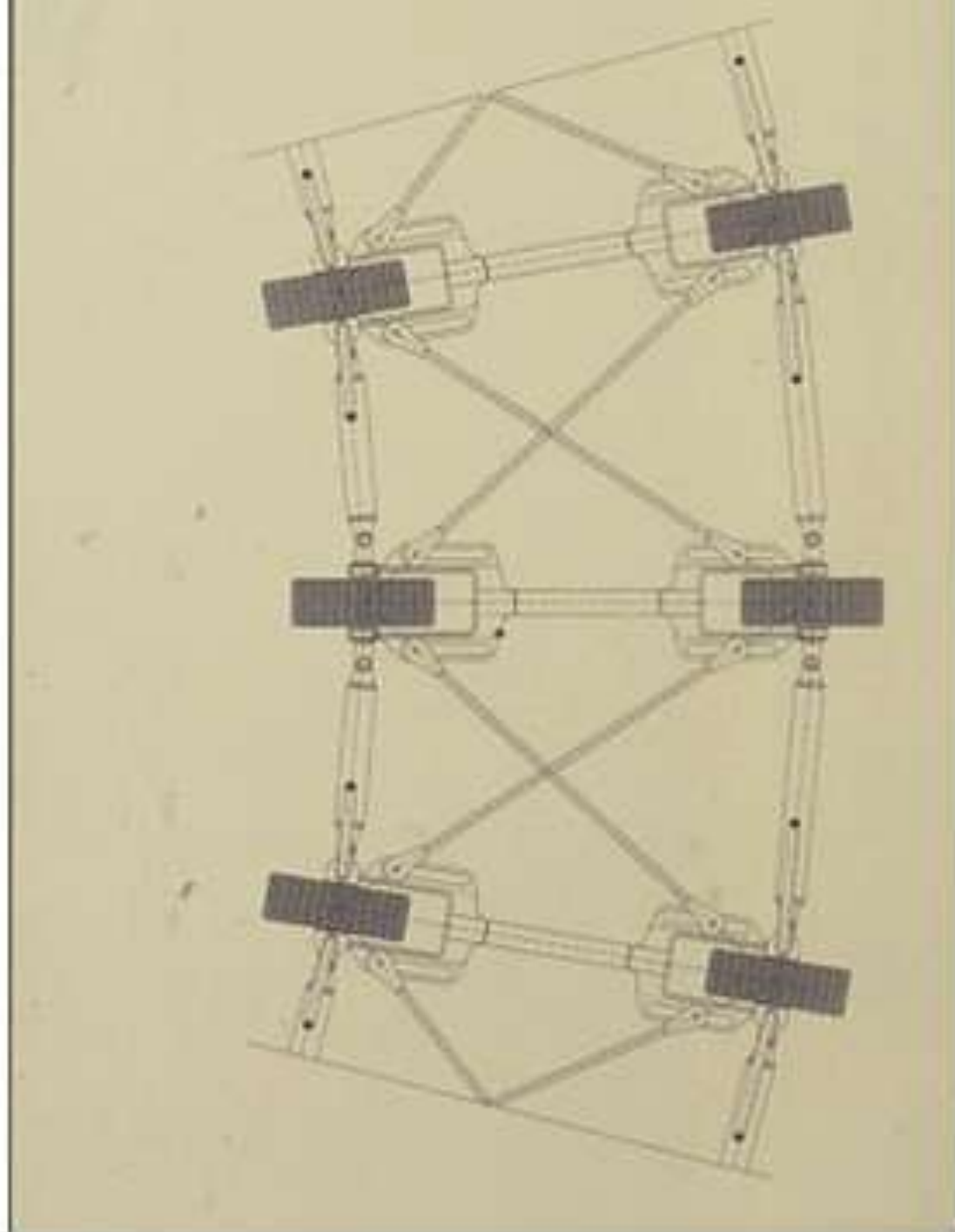
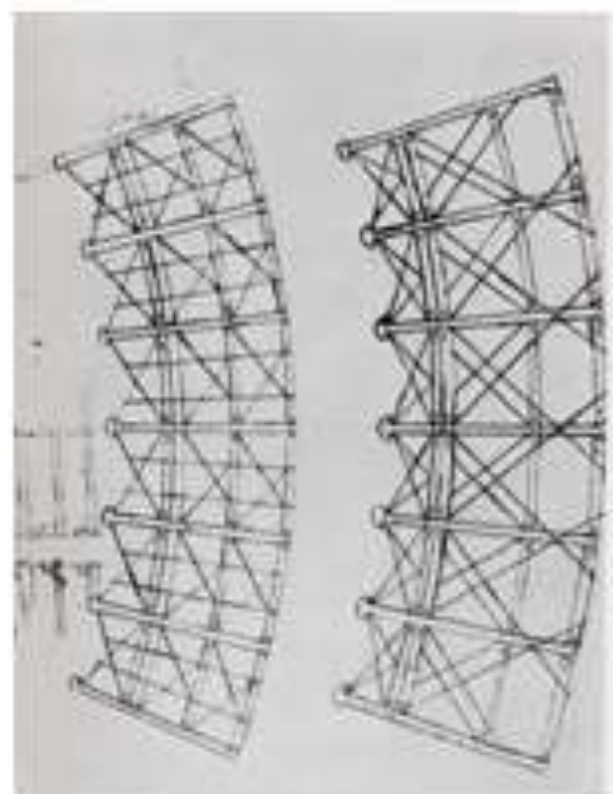














Riferimenti bibliografici essenziali

- G. Tampone, 1996, ***Il restauro delle strutture di legno***, Milano: Hoepli
- G. Tampone, M. Mannucci, N. Macchioni, 2000, ***Le strutture di legno: Cultura, conservazione, restauro***, Milano: De Lettera
- G. Giordano, 1993, ***La tecnica delle costruzioni in legno***, Milano: Hoepli
- AA.VV., 2005, Proceedings of the ***Int. Conf. on the Conserv. of the Historic Wooden Structures***, Firenze: Collegio degli Ingegneri della Toscana Editore

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