



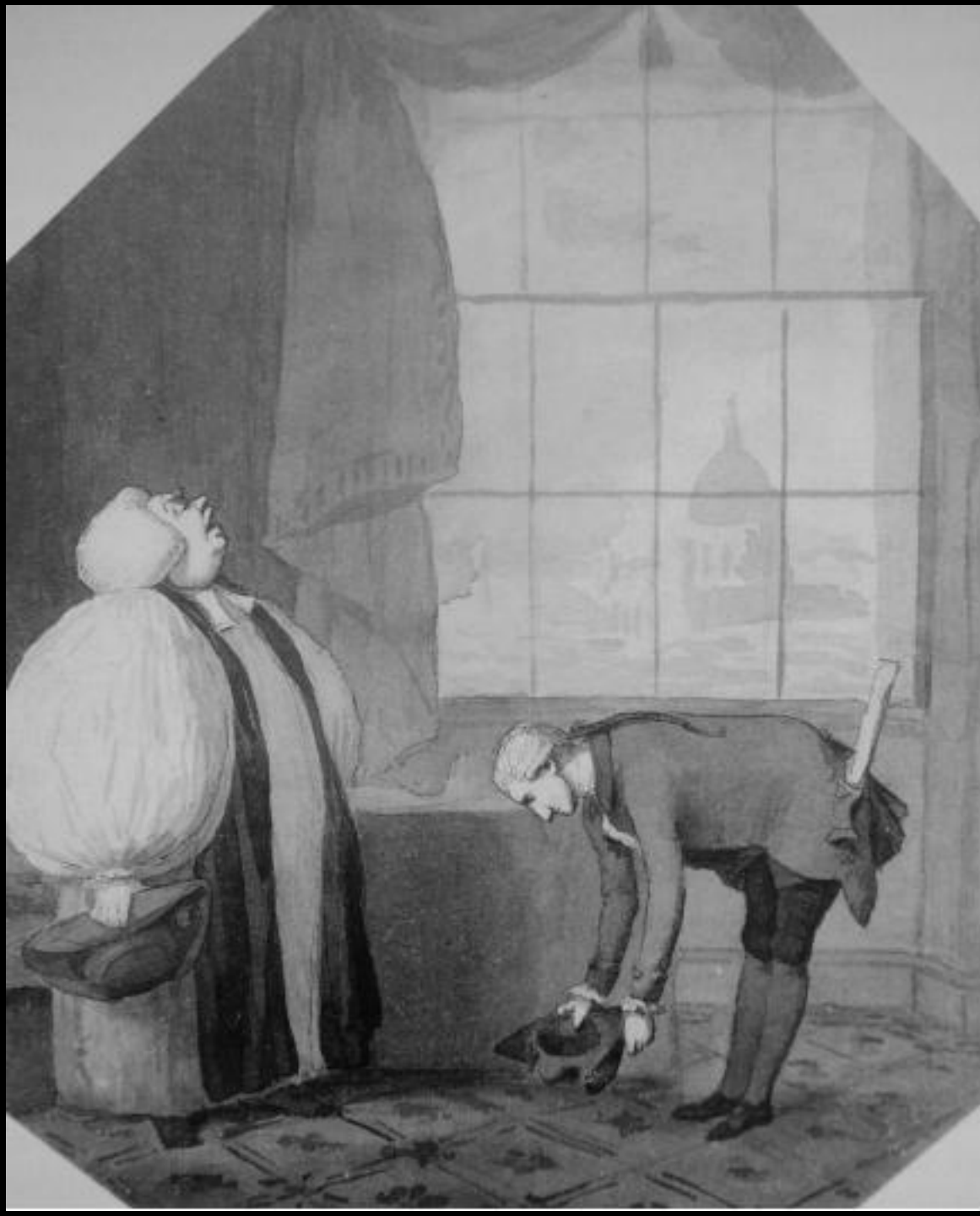
# St Paul's Cathedral at 300

Martin Stancliffe  
*Surveyor to the Fabric*

- Sir Christopher Wren
- John James
- Henry Flitcroft
- Stiff Leadbetter
- Robert Mylne
- S P Cockerell
- C P Cockerell
- F C Penrose
- Somers Clark
- Sir Mervyn Macartney
- Godfrey Allen
- Lord Mottestone
- Paul Paget
- Sir Bernard Feilden
- Robert Potter
- Sir William Whitfield
- Martin Stancliffe

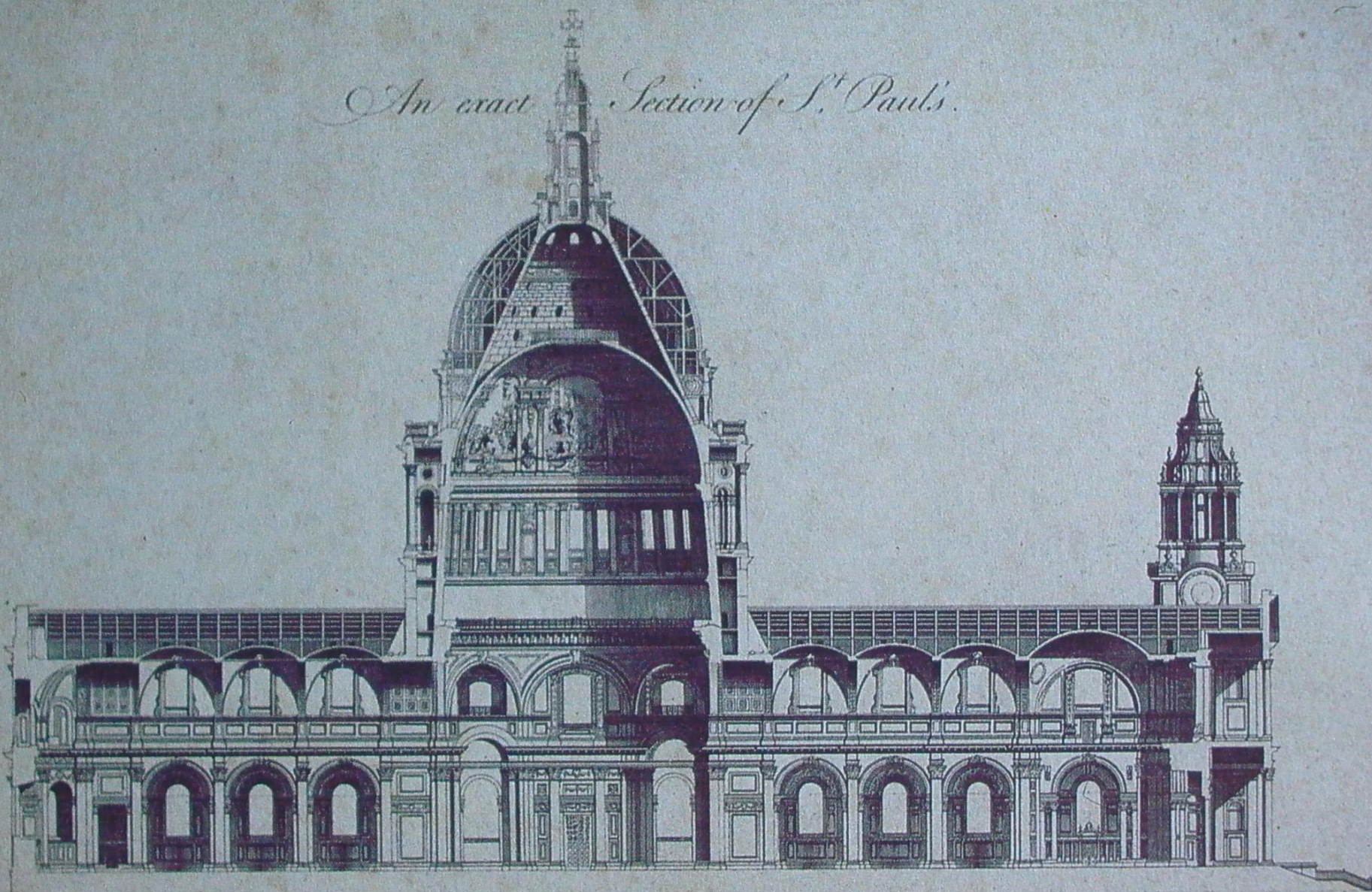


Continuous line of Surveyors to the Fabric from Wren onwards





*An exact Section of S.<sup>t</sup> Paul's.*

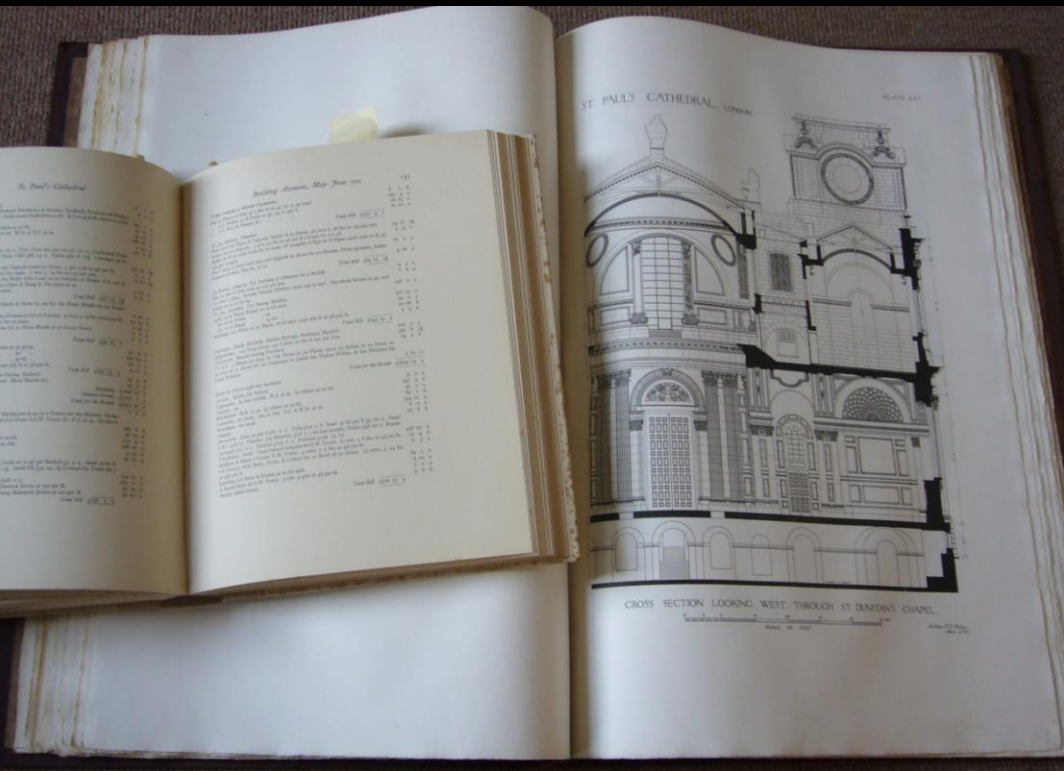
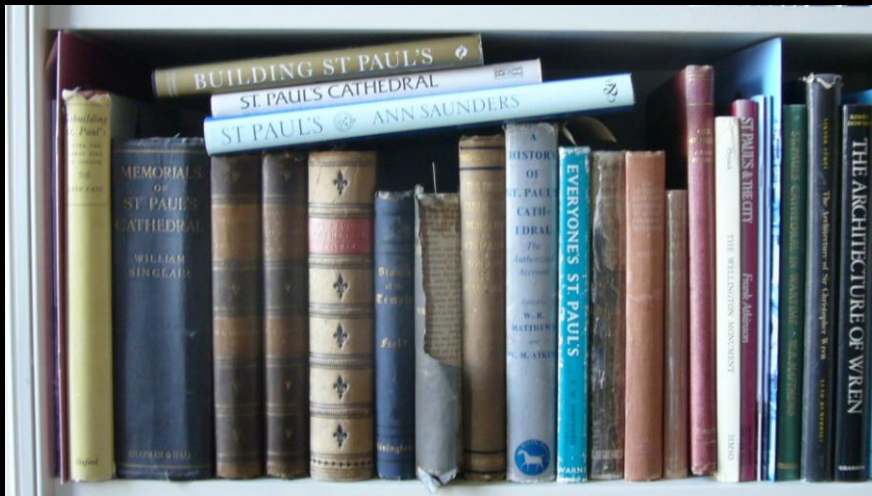


*The dimensions of S.<sup>t</sup> Paul's, from East to West, within the Walls.....510*  
*From North to South, within the Doors of the Porticoes.....282*

*The breadth at the West Entrance.....100*  
*Its Circuit.....2292*  
*Its height within, from the Center of the Floor to the Cross.....404*

*The circumference of the Dome is.....320*  
*The diameter of the Ball.....6*  
*From the Ball to the top of the Cross.....30*  
*Diameter of the Columns of the Porticoes.....4*

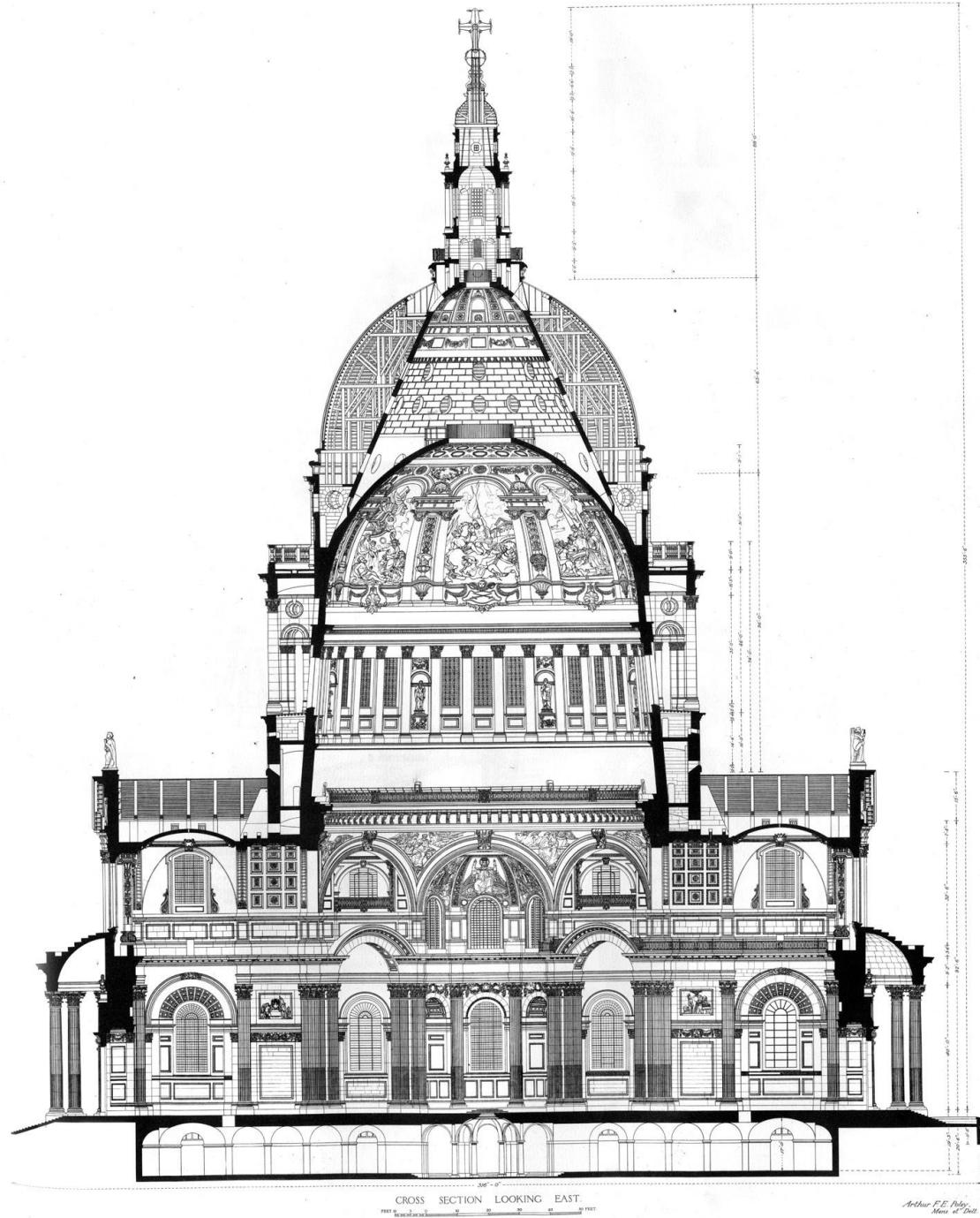
*Height of the Columns of the Porticoes.....48*  
*To the top of the west Pediment under the Figure of S.<sup>t</sup> Paul.....120*  
*Height of the Tower of the west Front.....287*



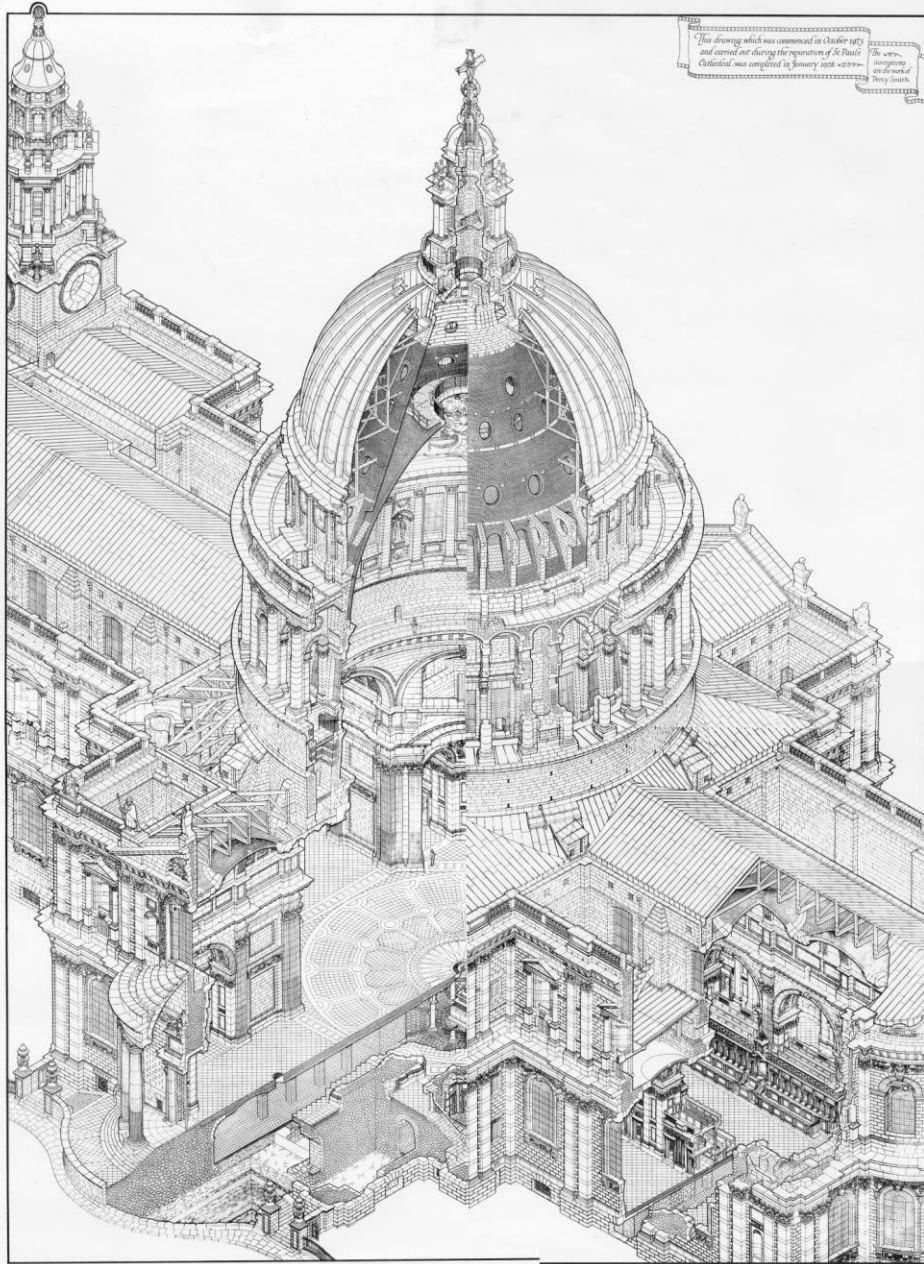
# Recurring issues

1. Structural stability of the masonry and dome
2. The condition of the external stonework
3. The so called 'completion' of the cathedral
4. Changing patterns of liturgical use
5. The use of the ancillary spaces in the crypt and triforium
6. The setting of the cathedral.

# 1. STRUCTURAL STABILITY



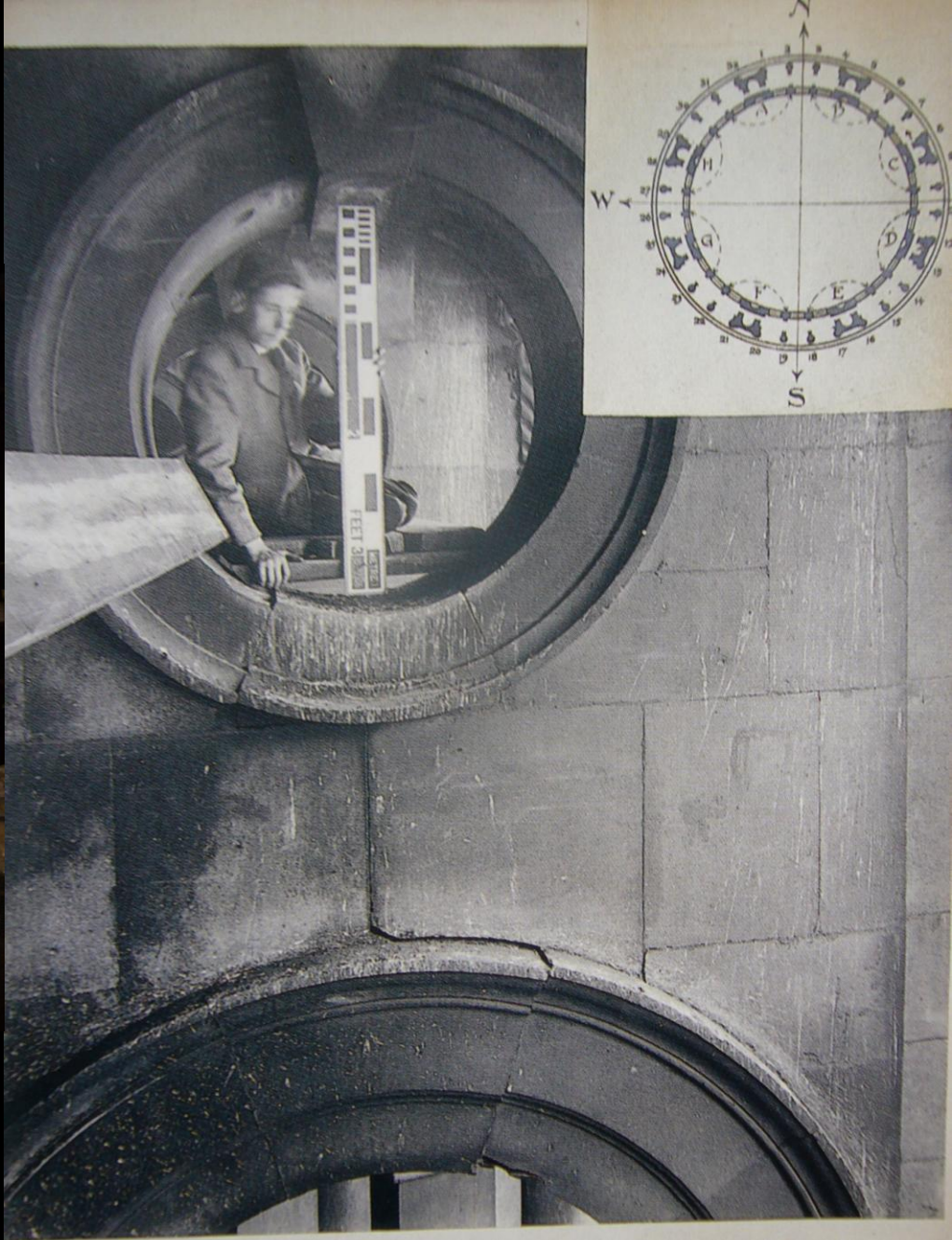
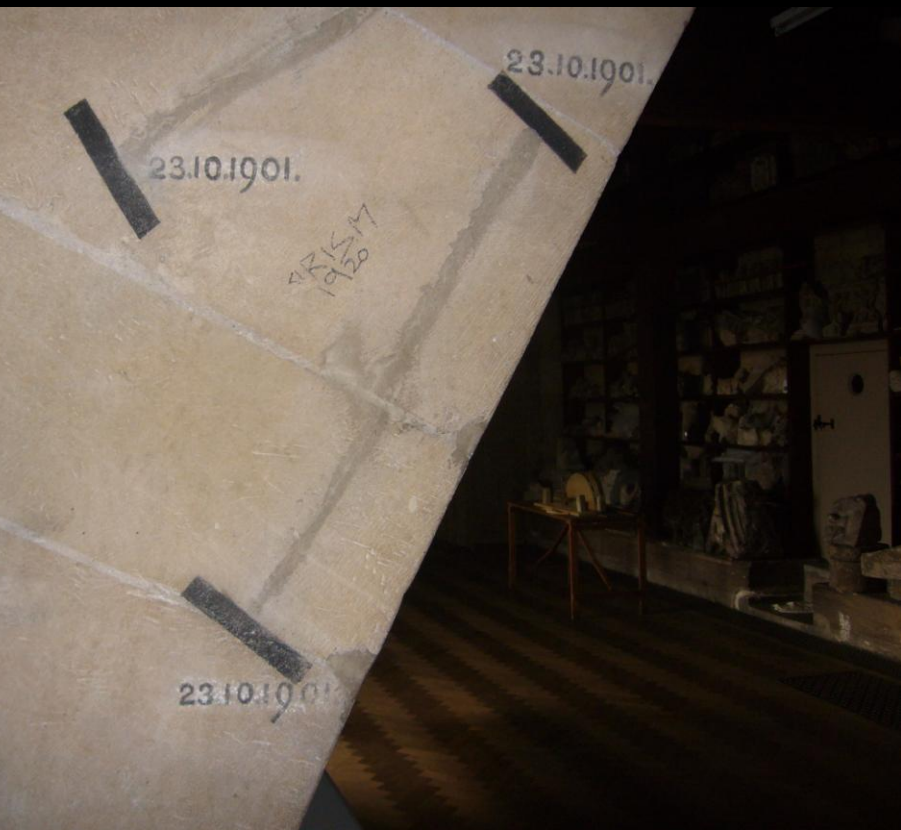




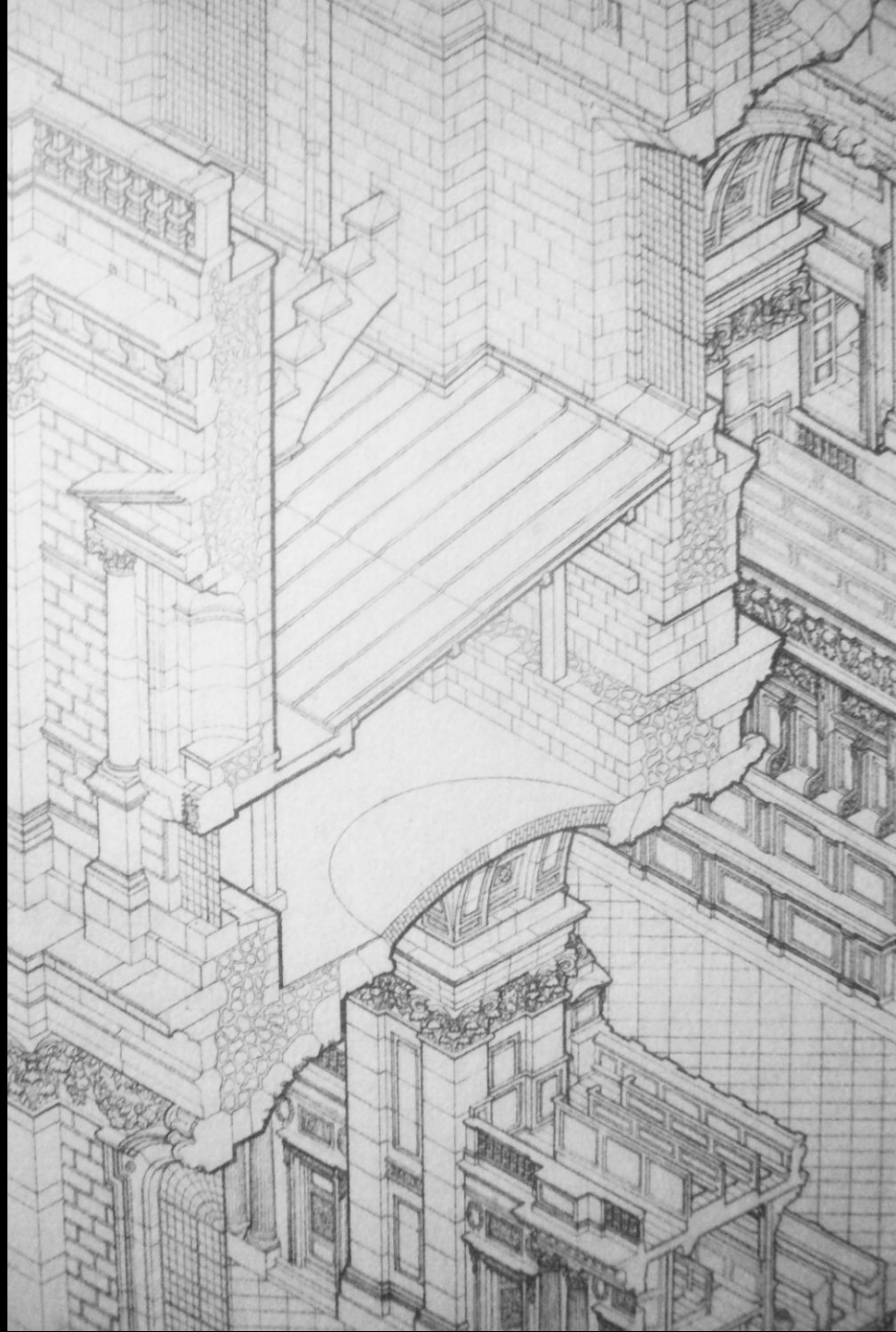
TO WILLIAM DUNN, F.R.I.B.A.  
 who first suggested the idea of shewing the construction of St. Paul's Cathedral by Isometric Projection -  
 this drawing is inscribed by MERVYN EDMUND MACARTNEY, F.S.A. Surveyor to the Fabric -  
 Measured and drawn by R.B. BROOK-GREAVES in collaboration with W. GODFREY ALLEN  
 Valuable assistance has been rendered by Matthew Dawson F.R.I.B.A. & E.J. Bolwell



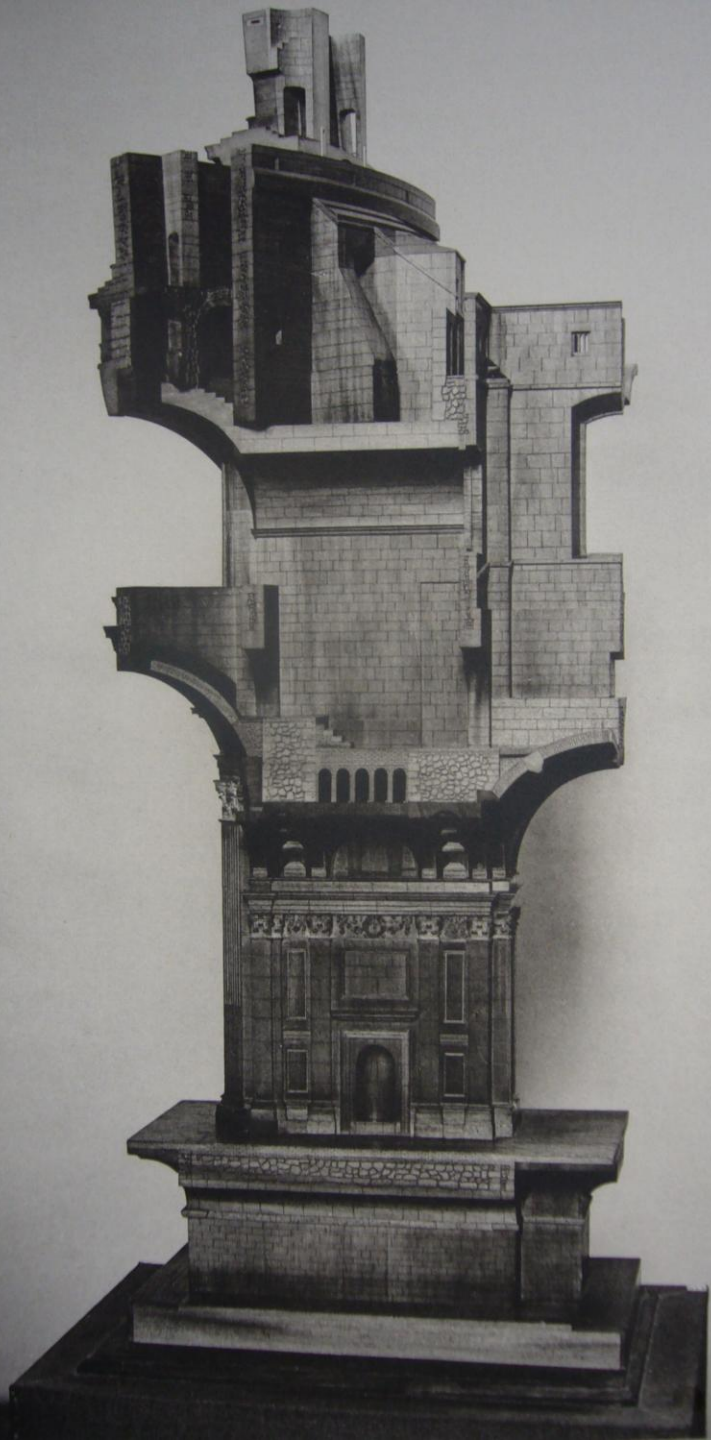
15-4  
 Plan. of 1/3 of 4  
 Dome.  
 (12)

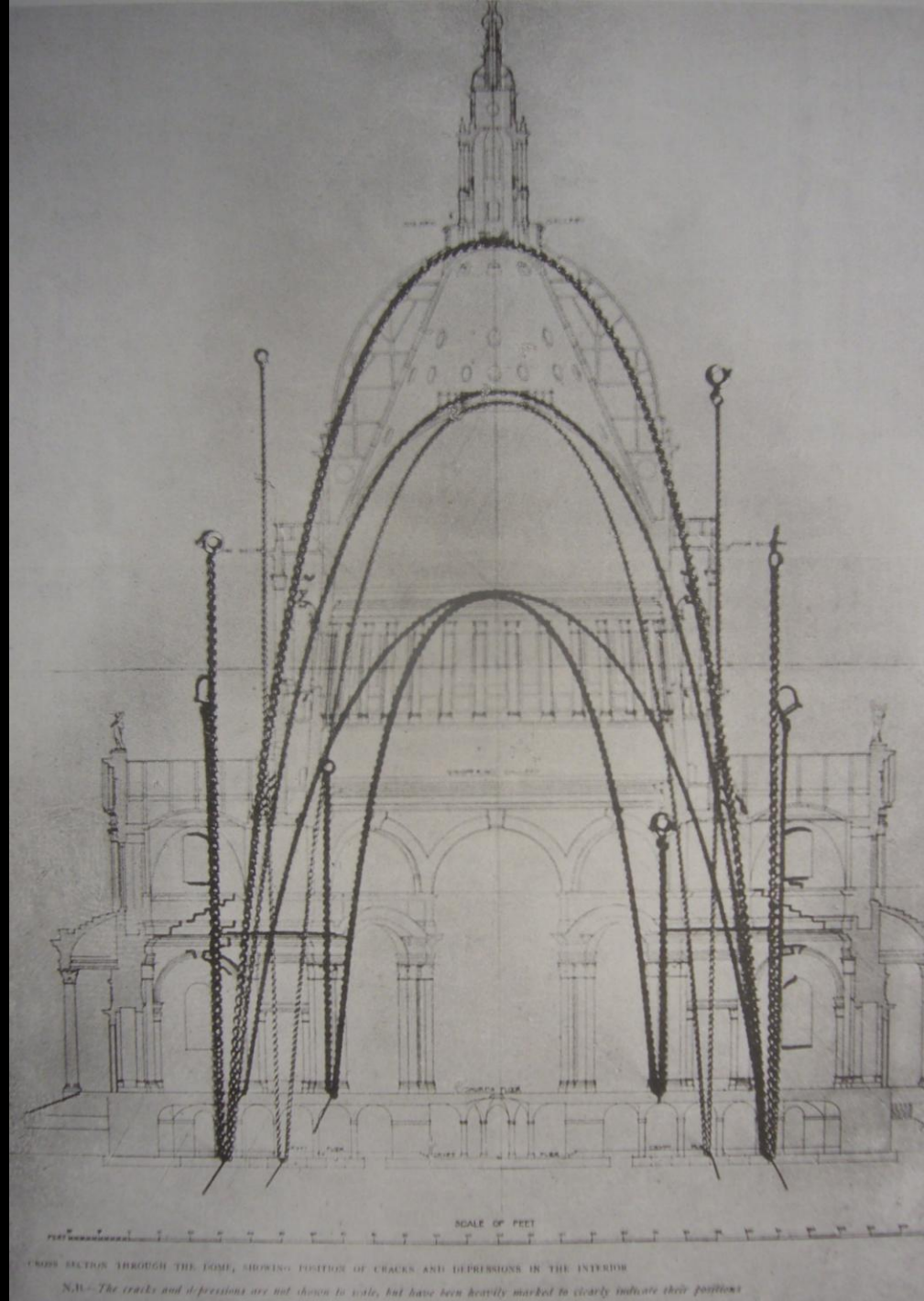
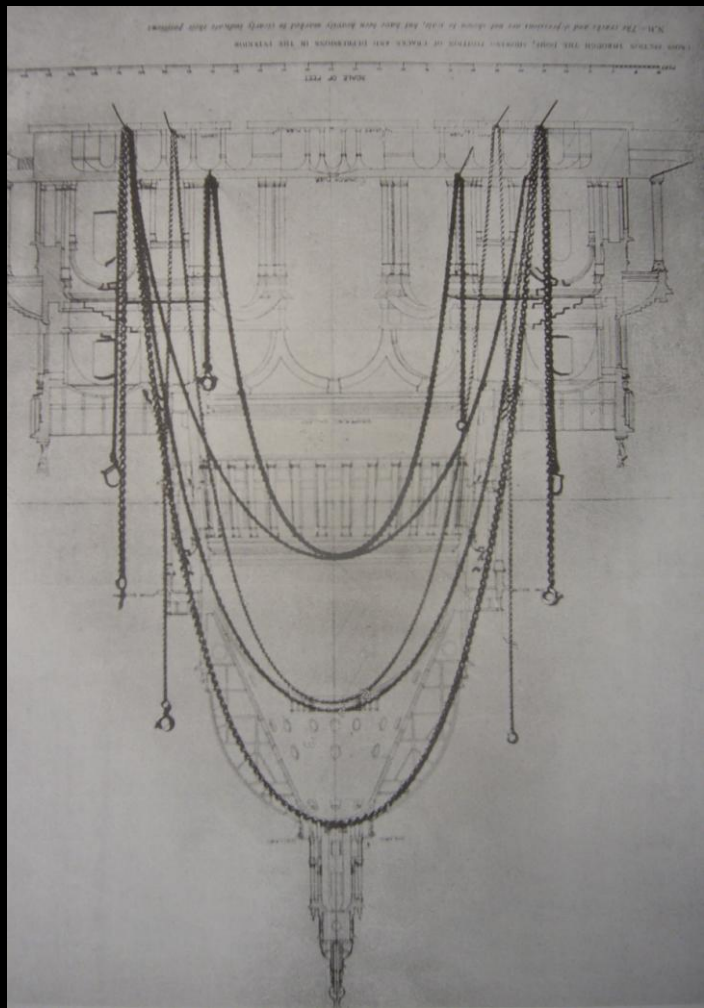


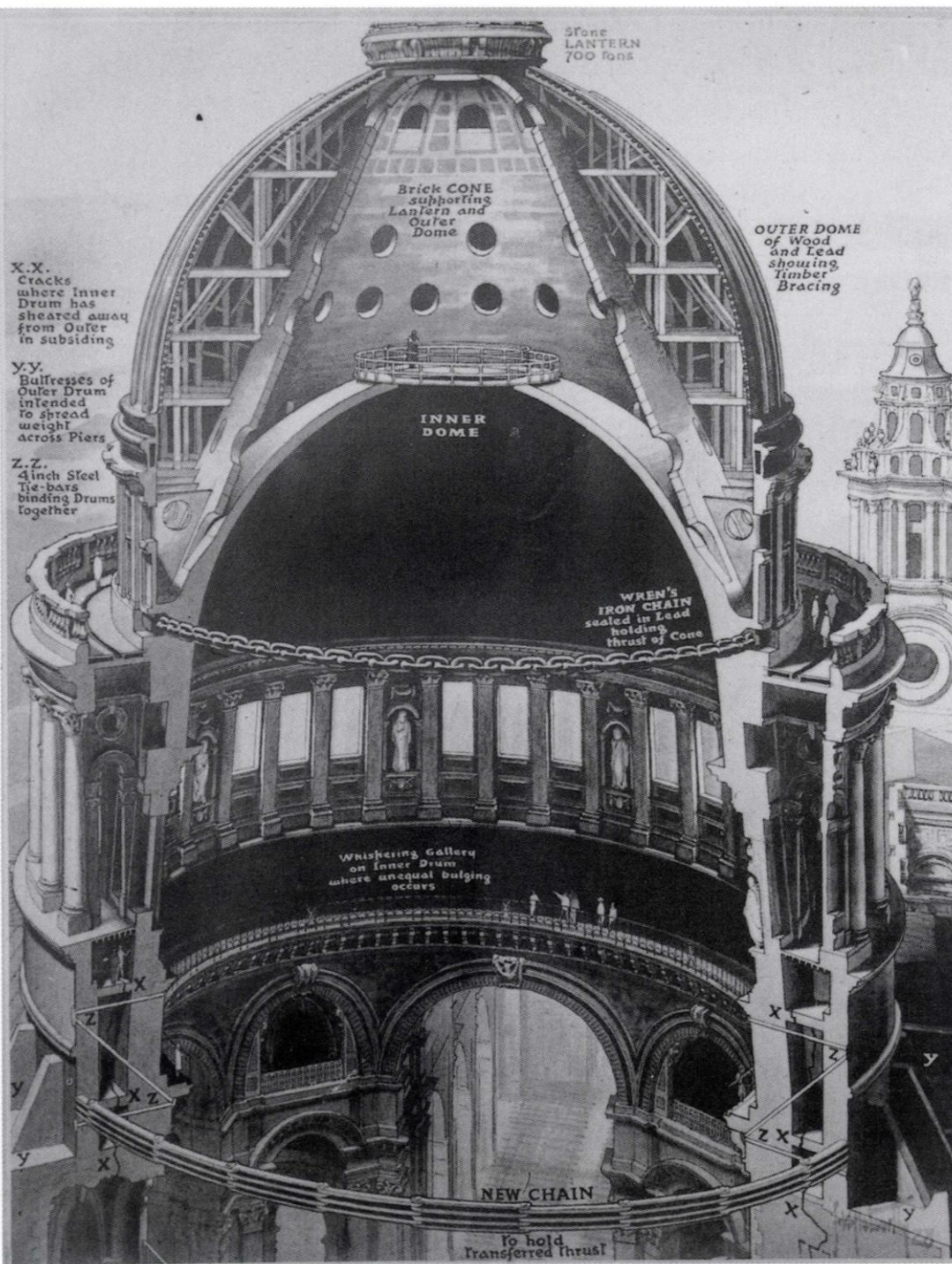
Section of Columnade. Arch No 7 from Bull. 148 N.P. Photographed April 29<sup>th</sup> 1902  
 10 1/2' diam. Arch with outside face of Bull. 148 - 2'-6" below Keypstone











Stone LANTERN  
700 tons

Brick CONE  
supporting  
Labyrinth and  
Outer Dome

OUTER DOME  
of Wood  
and Lead  
showing  
Timber  
Bracing

X. X.  
Cracks  
where Inner  
Drum has  
sheared away  
from Outer  
in subsiding

Y. Y.  
Bulwresses of  
Outer Drum  
intended  
to spread  
weight  
across Piers

Z. Z.  
4 inch Steel  
Tie-bars  
binding Drums  
together

INNER  
DOME

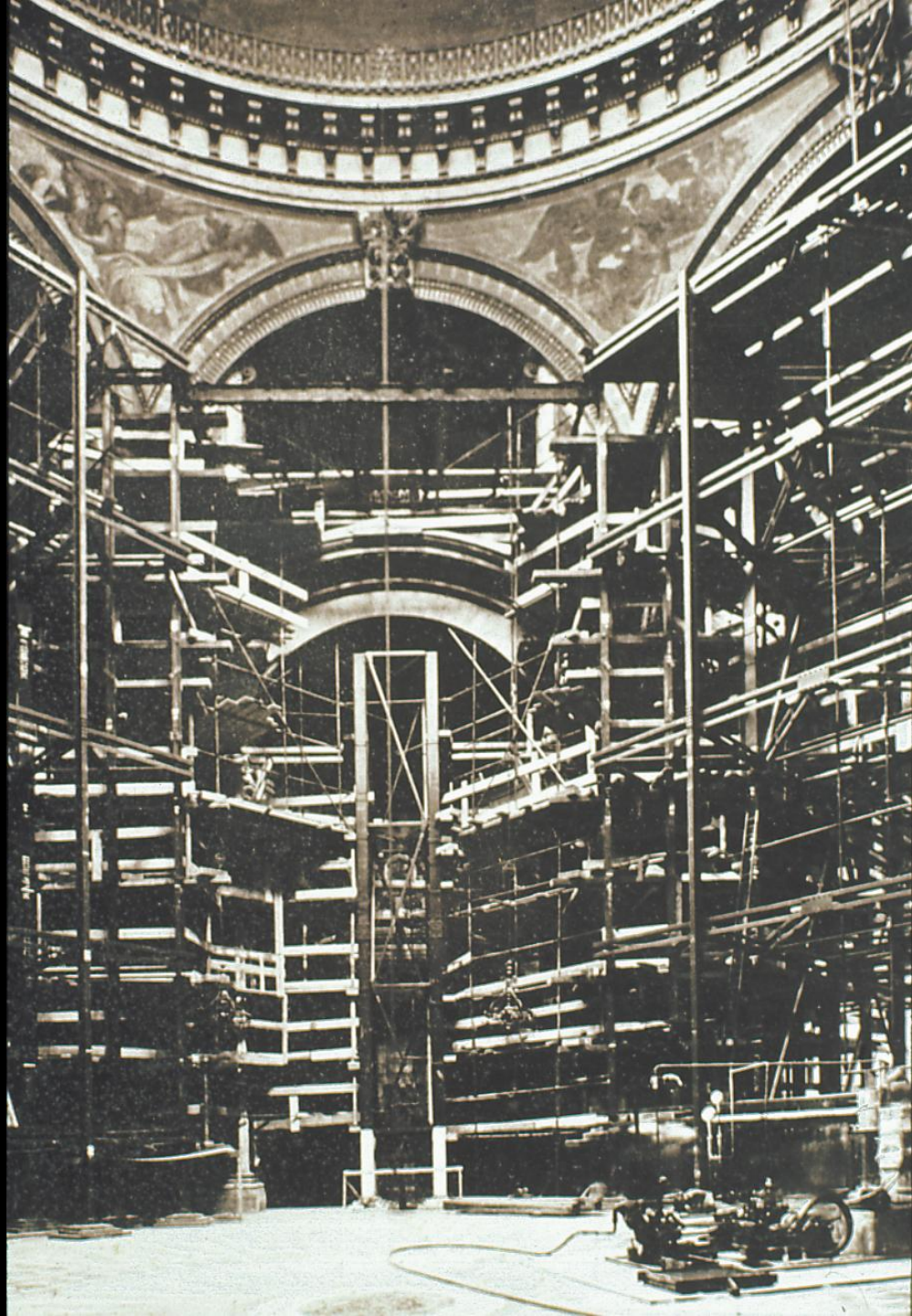
WREN'S  
IRON CHAIN  
sealed in Lead  
holding  
thrust of Cone

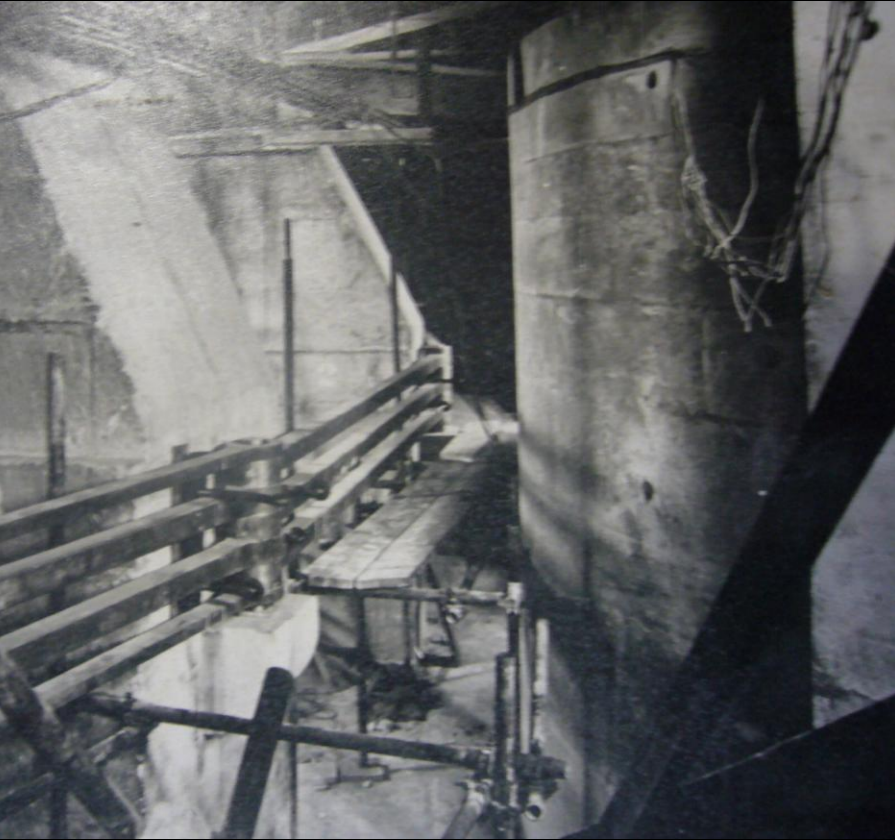
Whispering Gallery  
on Inner Drum  
where unequal bulging  
occurs

NEW CHAIN

To hold  
transferred thrust









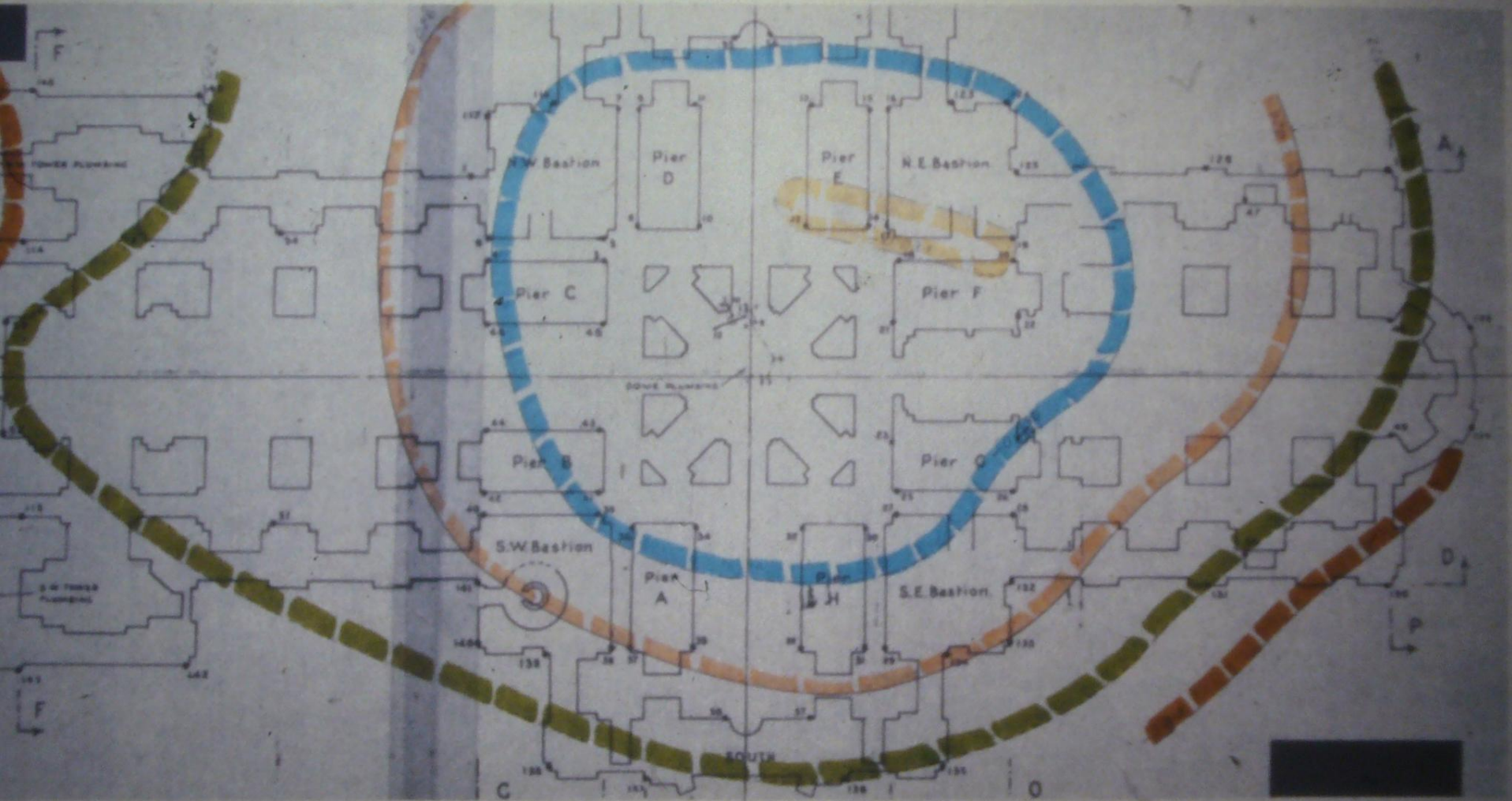




CATHEDRAL

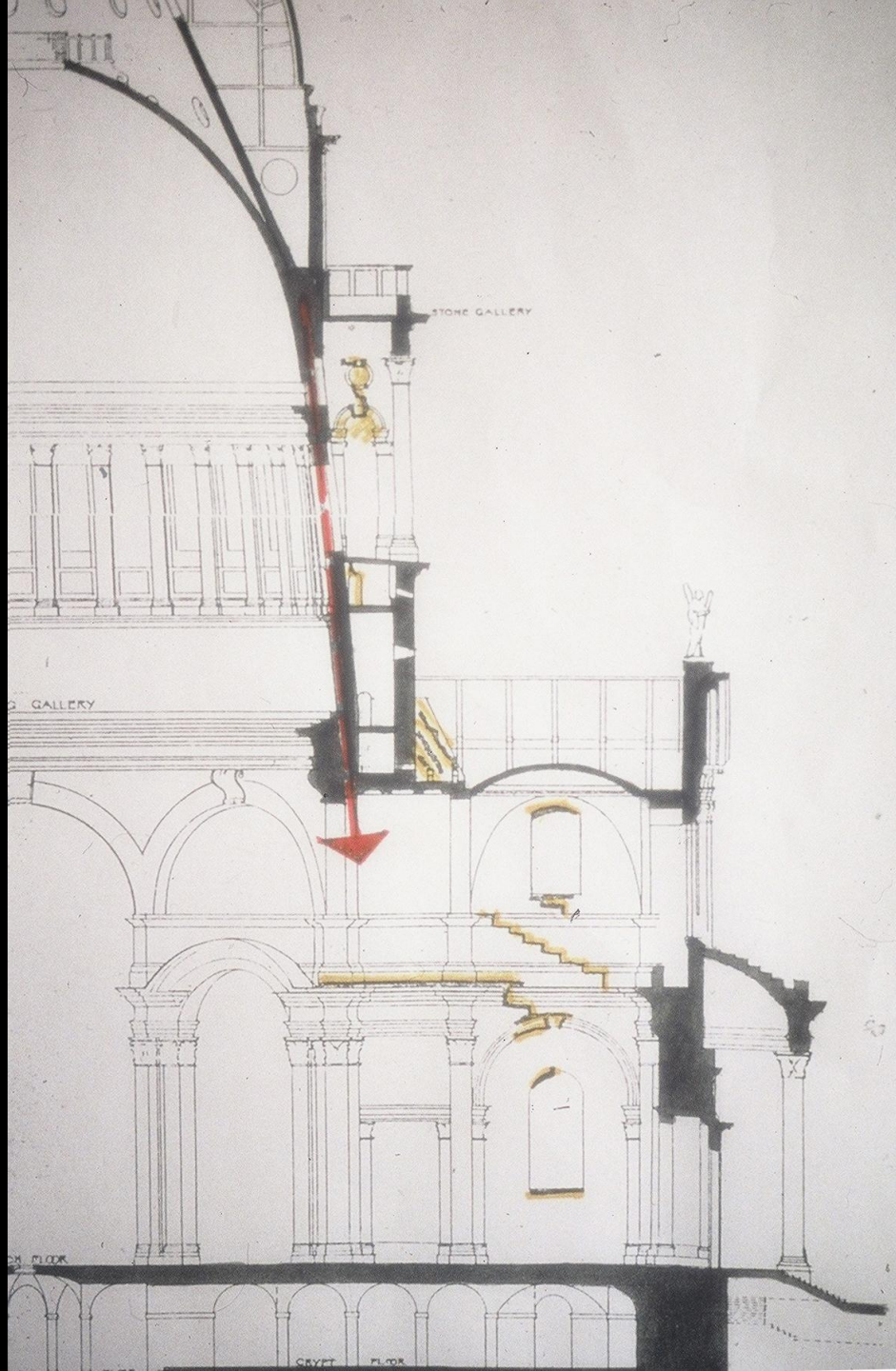
Scale 16" to 1"









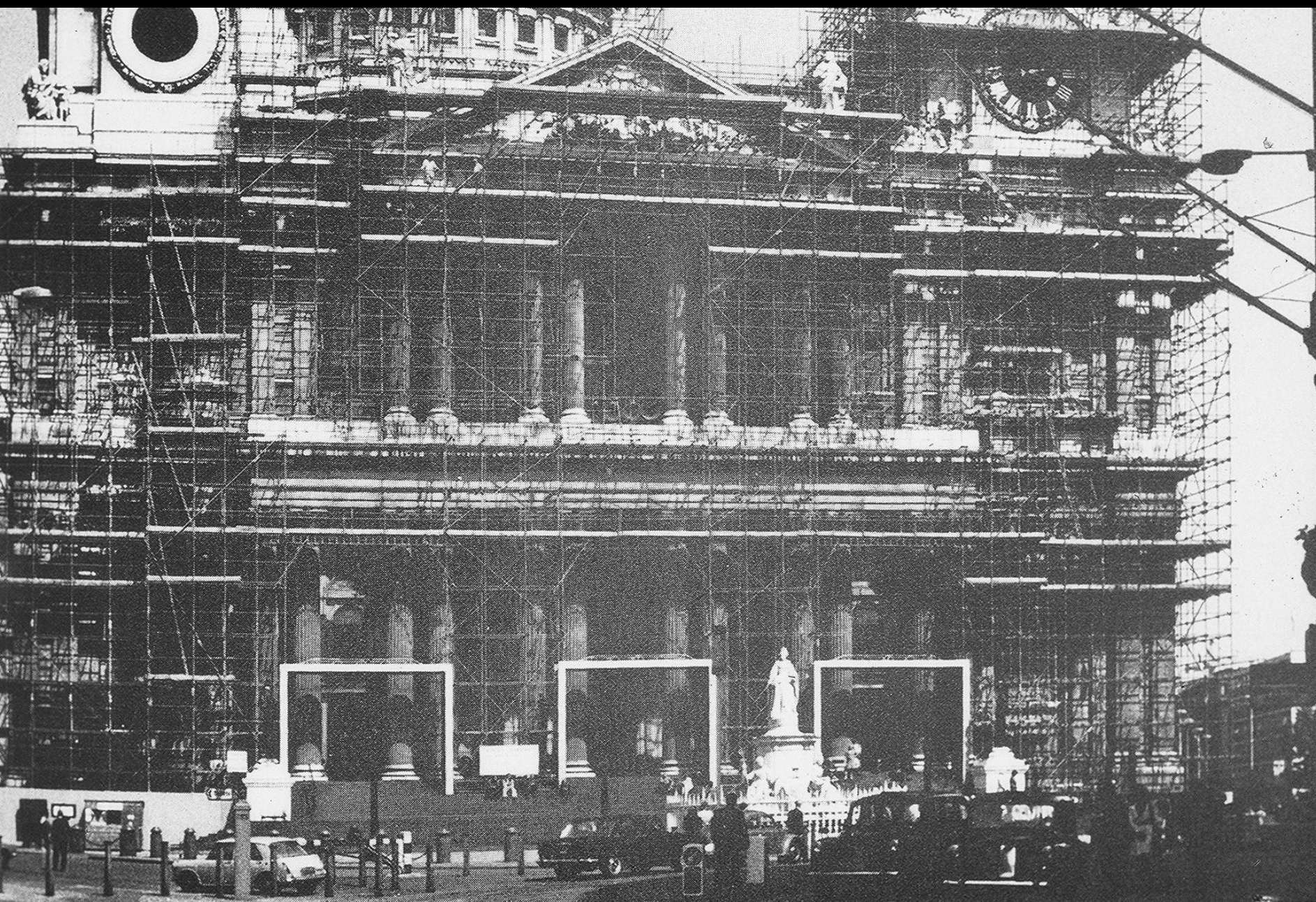


## 2. EXTERNAL STONEMWORK

















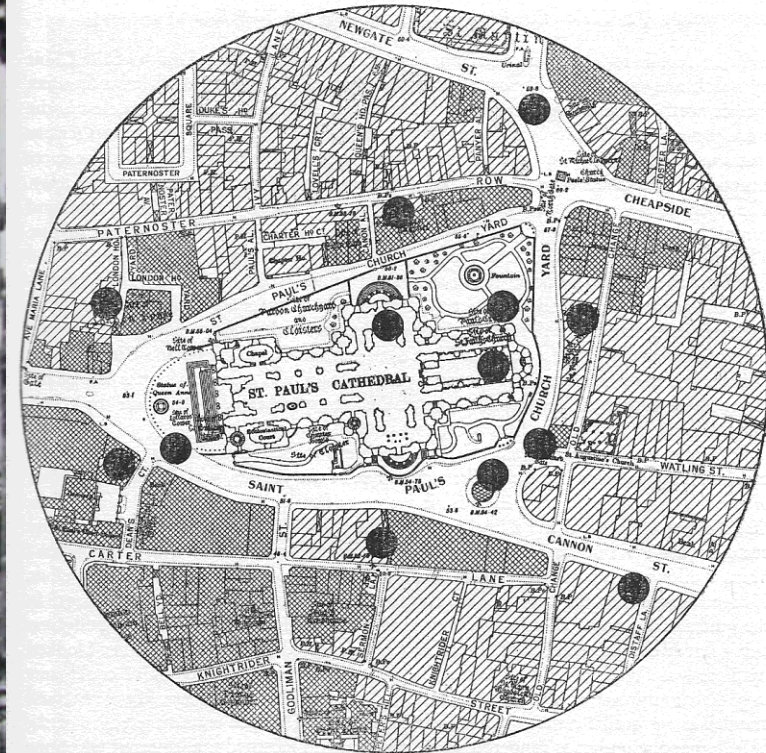






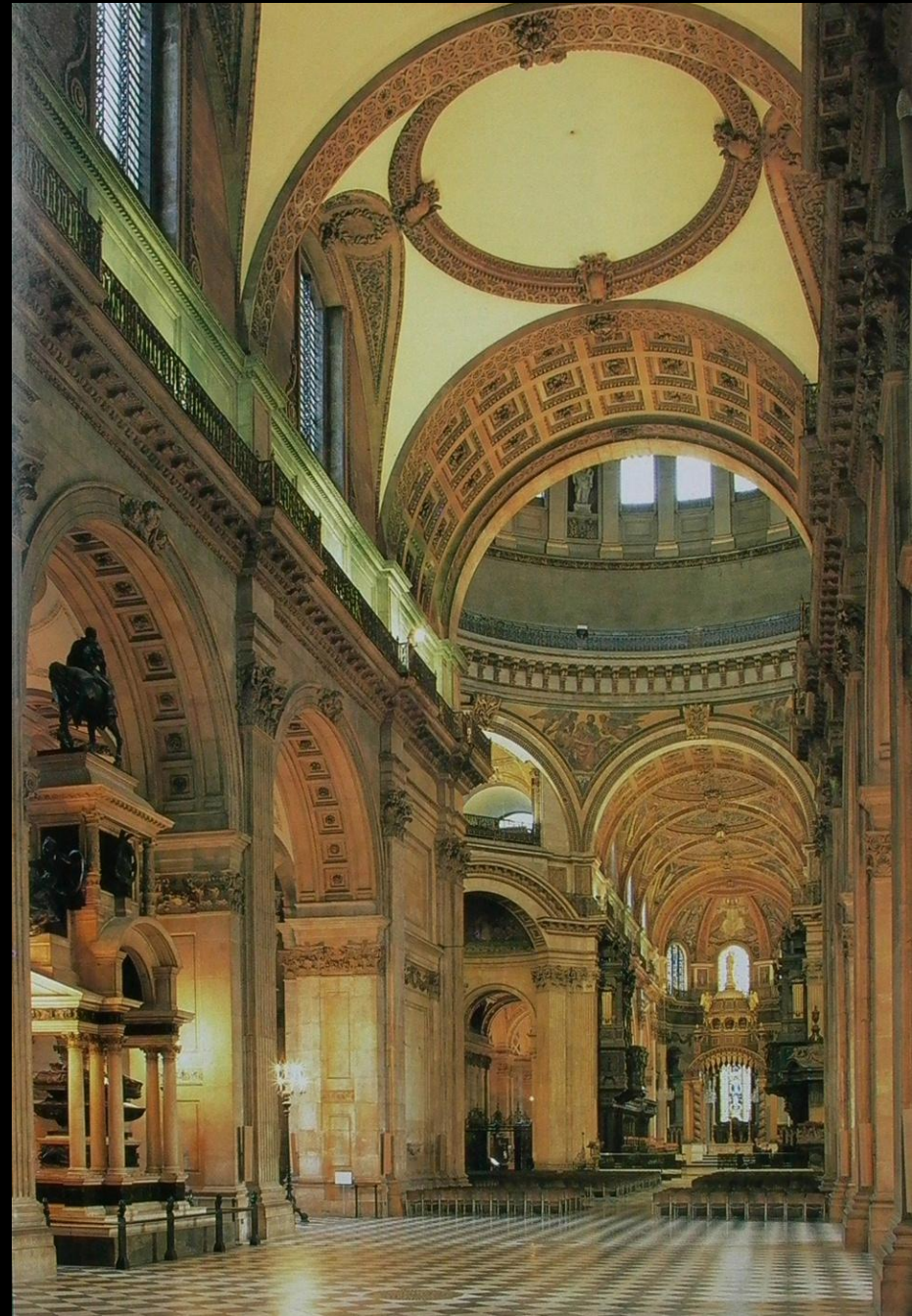








### 3. THE 'COMPLETION' OF THE CATHEDRAL





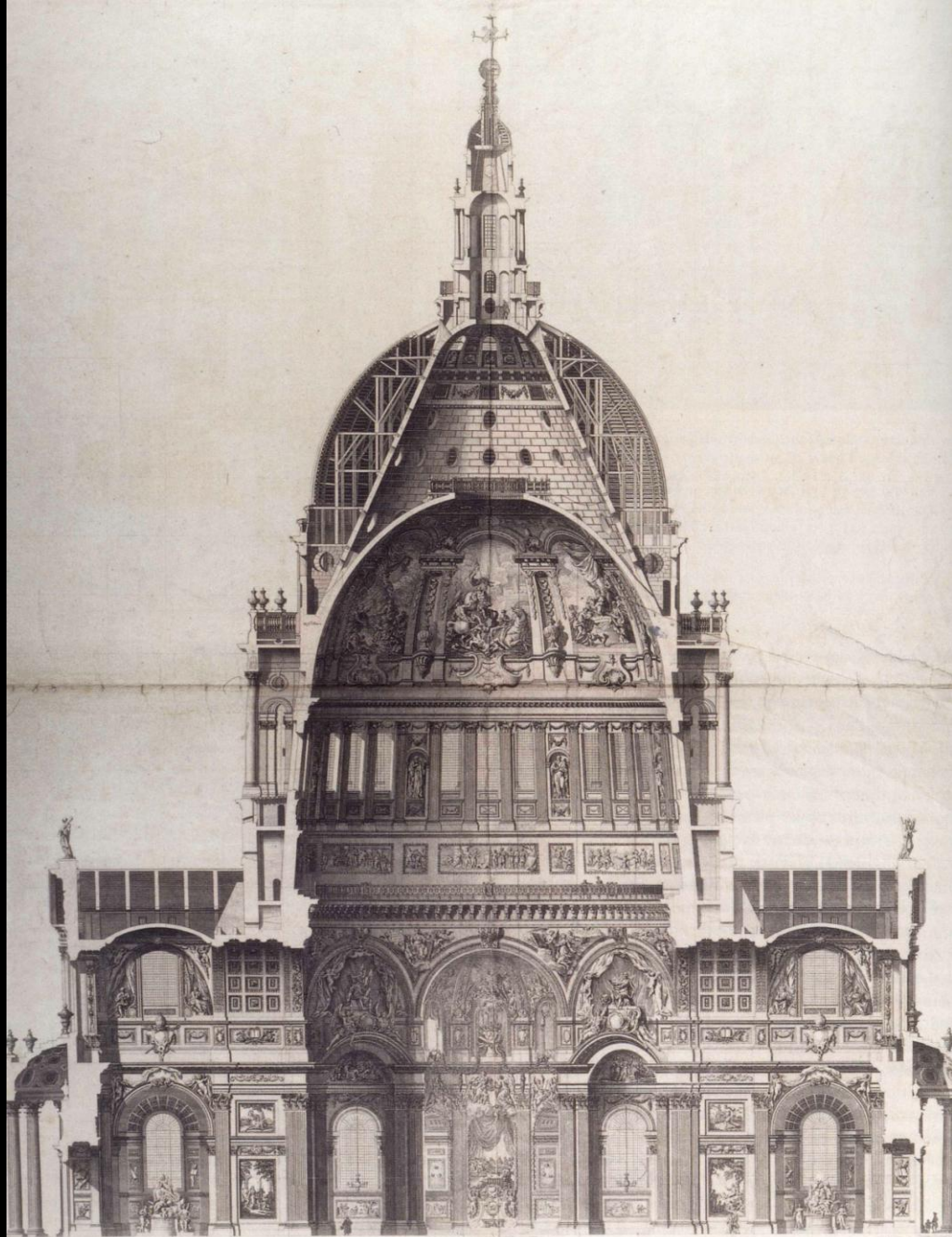






HTV02

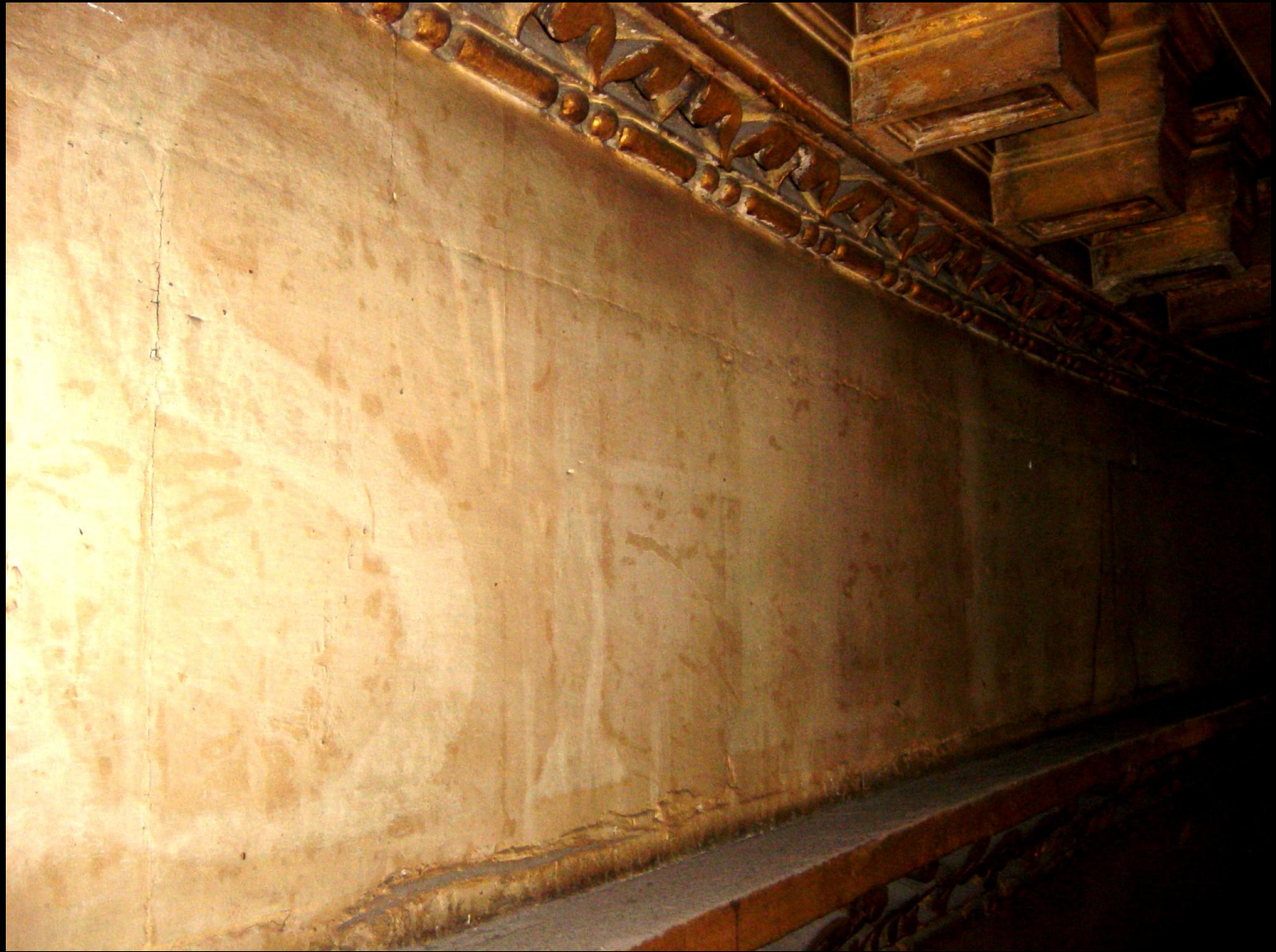




To his Royal Highness George, Prince of Wales:  
This SECTION of St. Pauls Cathedral, sheweth  
As well all beauties, as what is by his Royal Highness  
to the eminent INTENTION of Sir Christopher Wren:  
superintendant, and master Workman heretofore.

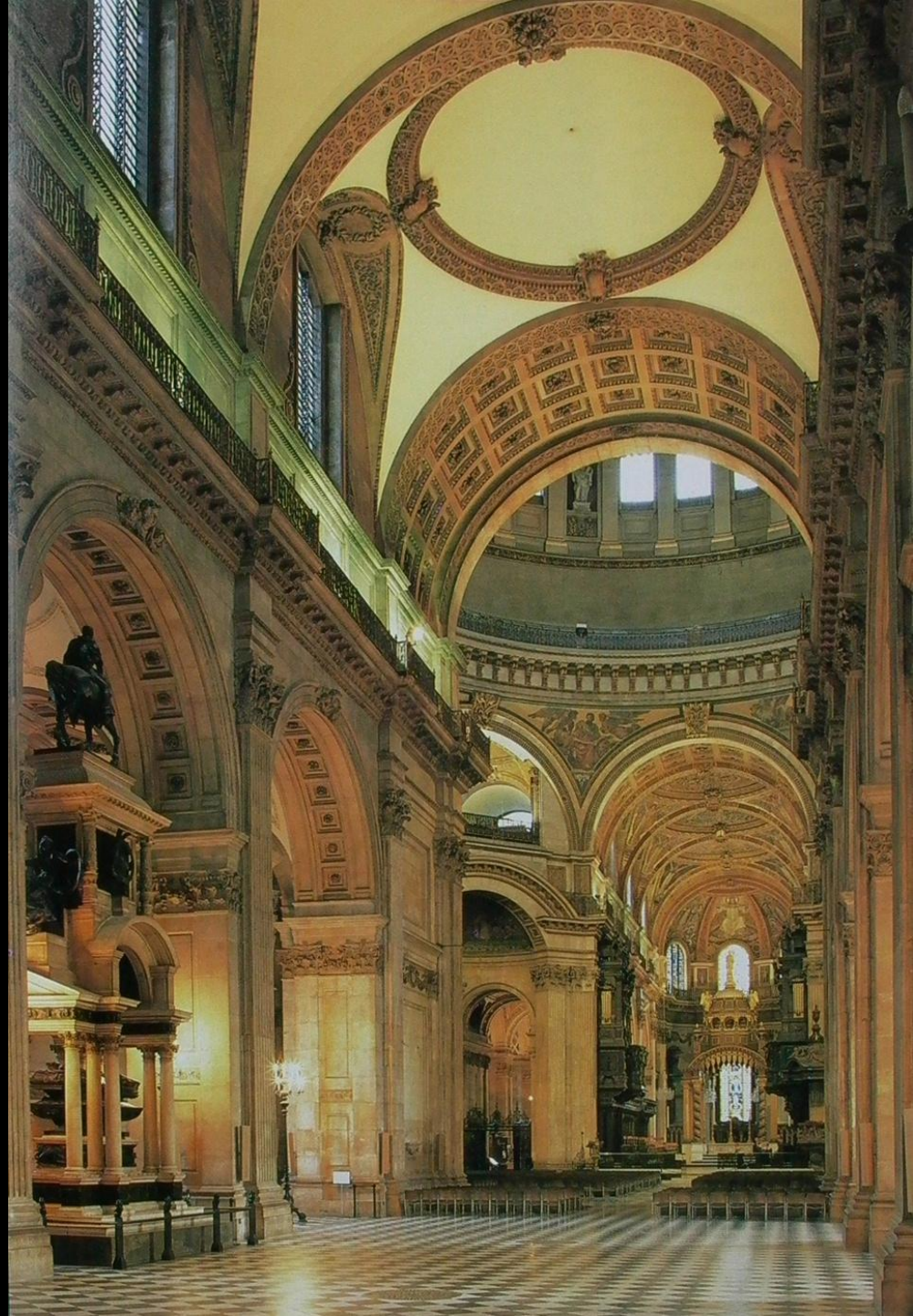






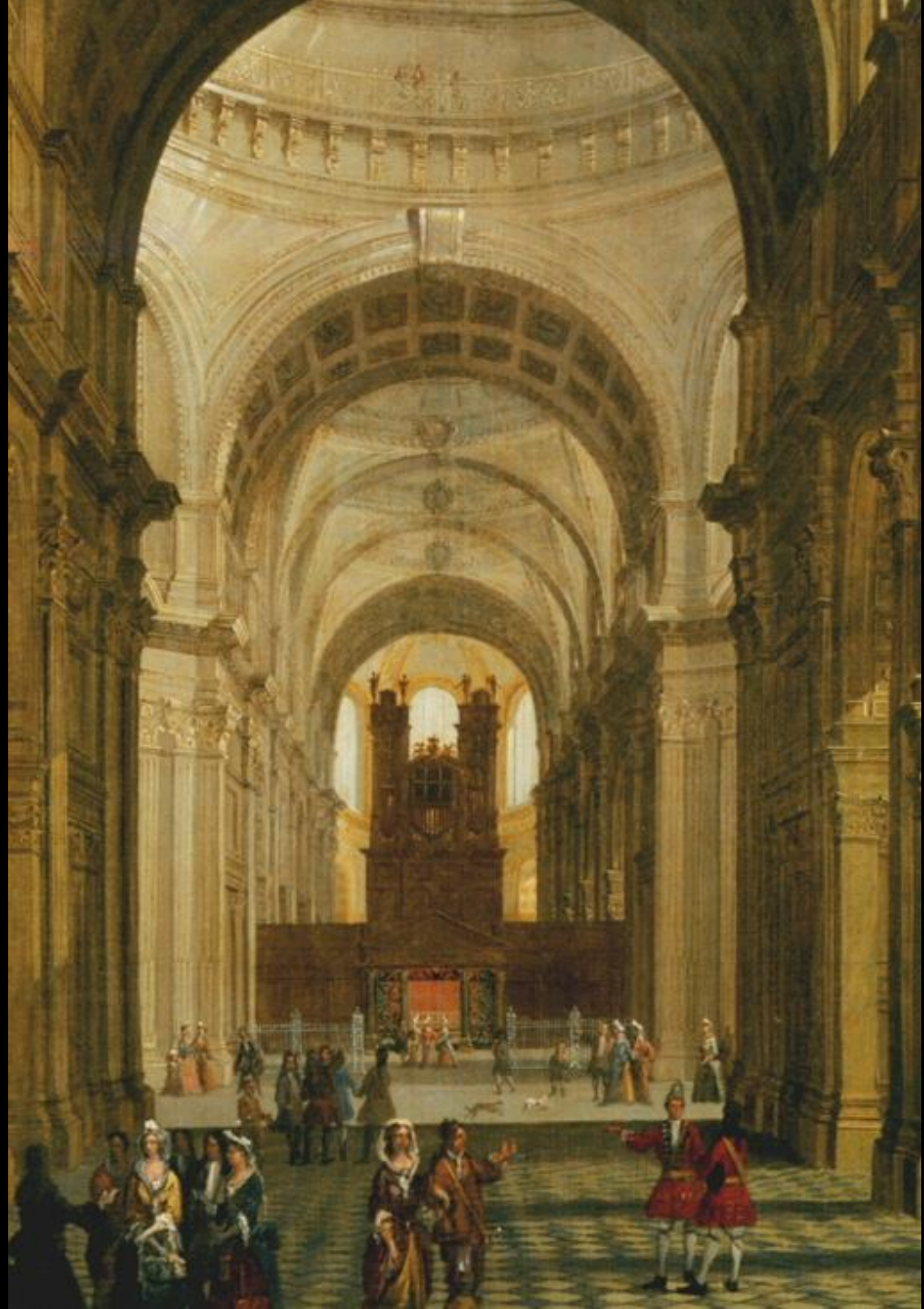






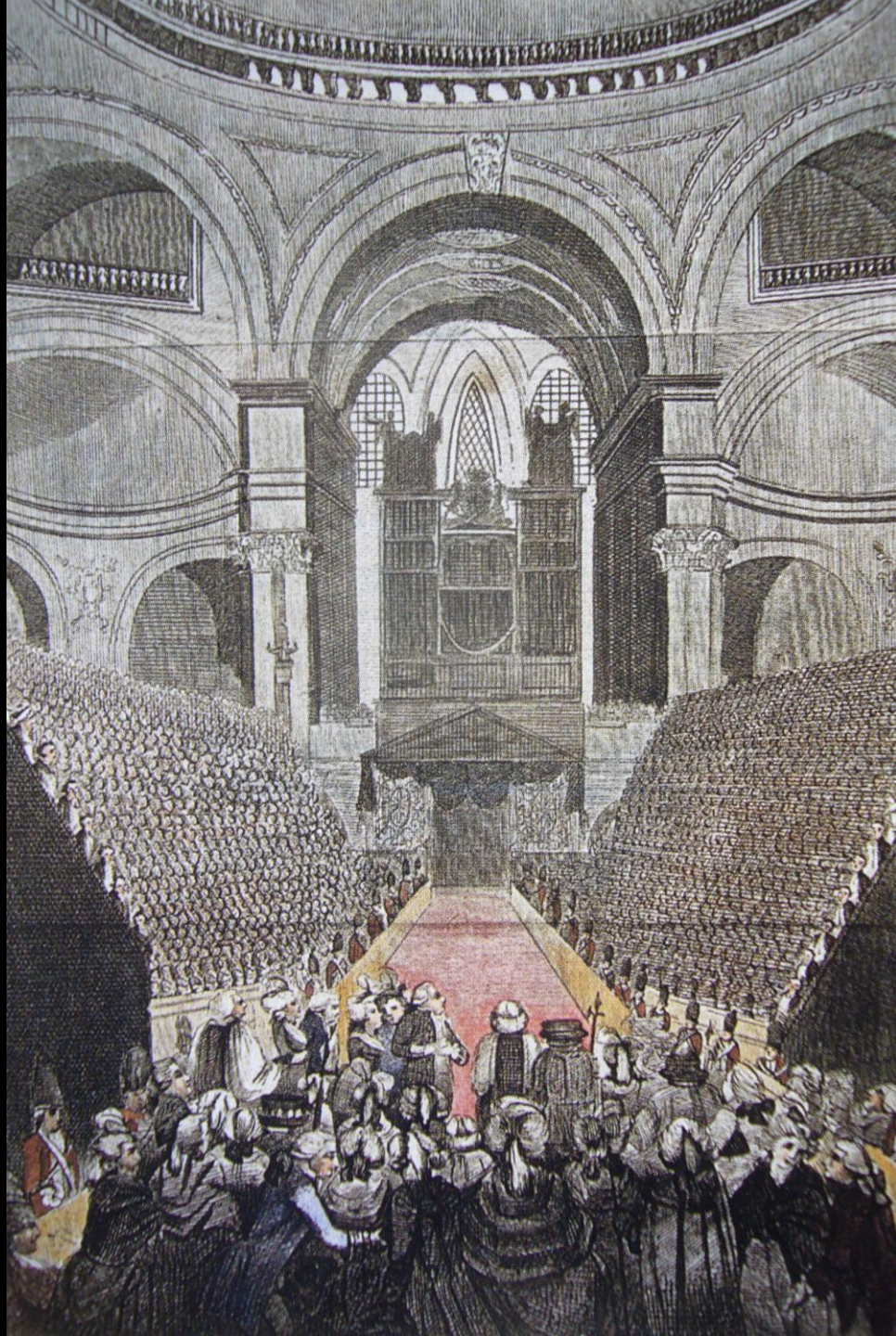


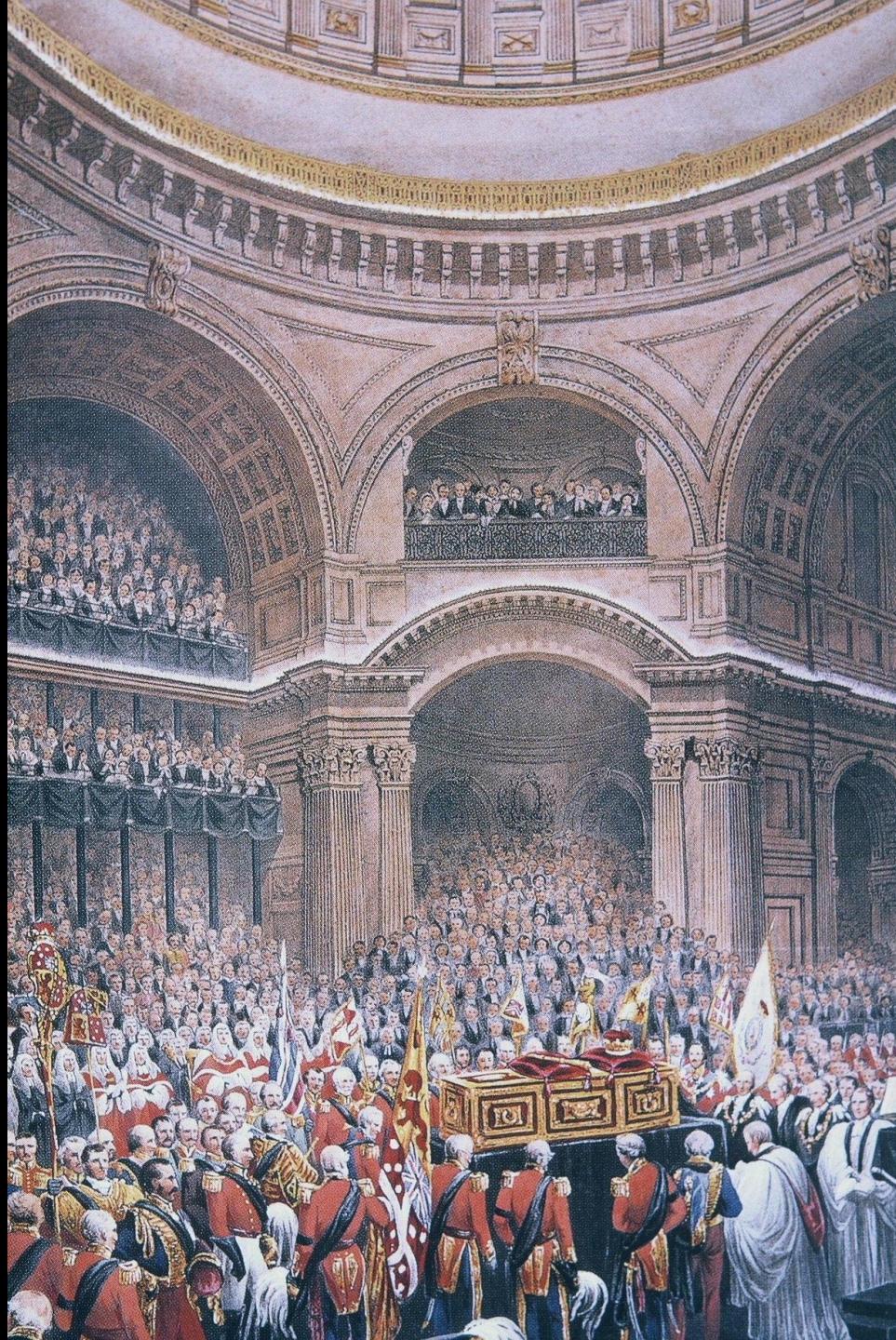
# 4. LITURGICAL LAYOUT



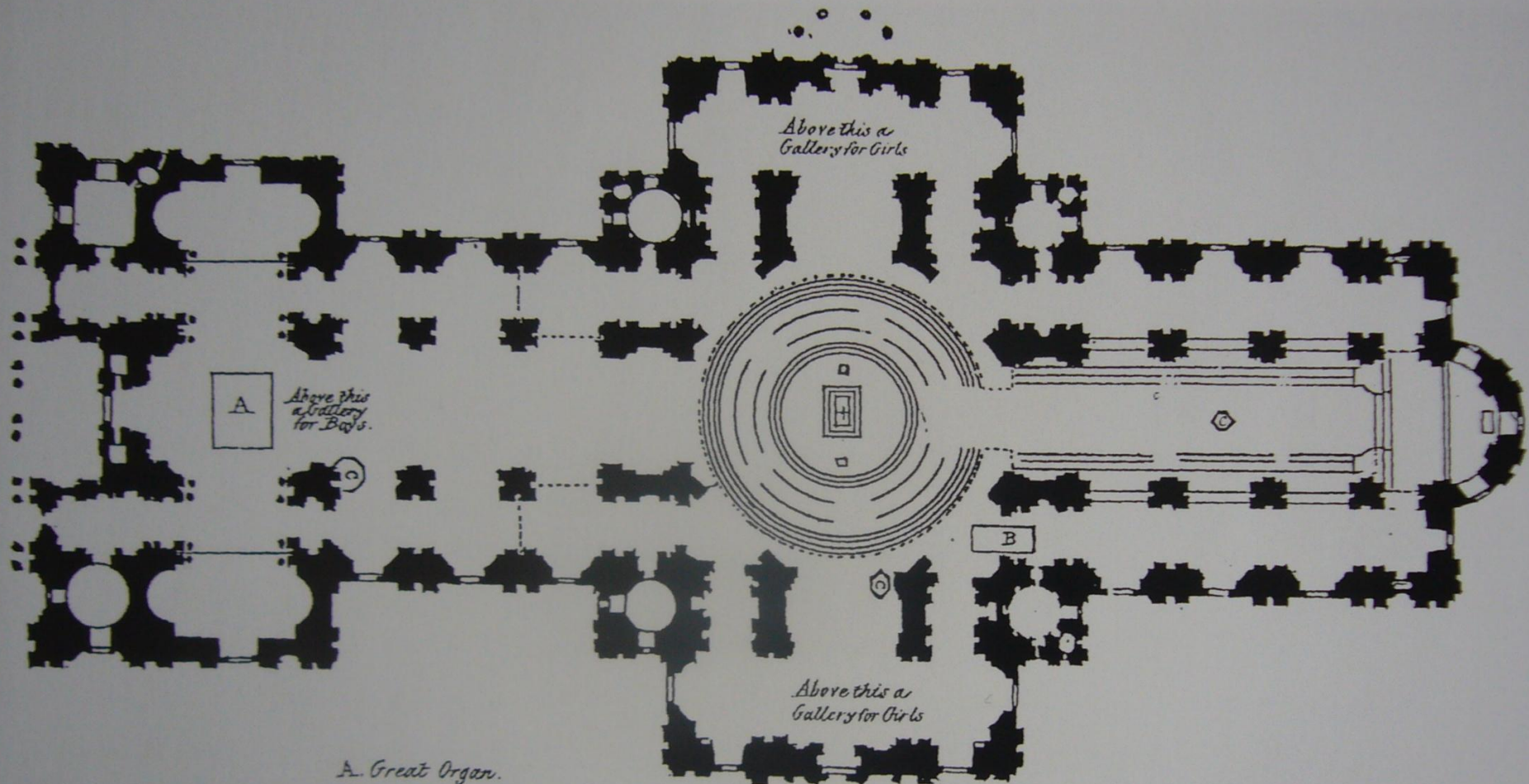












Above this a Gallery for Boys.

Above this a Gallery for Girls

Above this a Gallery for Girls

A. Great Organ.  
 B. Smaller Organ.  
 C.C.C. Three Pulpits.  
 The Altar, the two seats,  
 just below it at each end  
 of it, and the seats below  
 that again for the Choir  
 cannot be figured!

Scale of Feet.  
 10 20 30 40 50 60 70 80 90 100

Doyle & Highgate, Lith<sup>rs</sup> to the Queen.

ST PAUL'S CATHEDRAL.  
SUGGESTED ARRANGEMENT.

REFERENCES.

- A. Original Altar
- B. Original Choir
- C.C. Approach to Choir
- D. Proposed New Altar
- E. Choir for Dome Services.
- EE. Pulpits
- GG. Organ Galleries
- H. Organist.
- K. Bishop's Throne.
- L. Credence & Sedilia.
- M. Conductor.

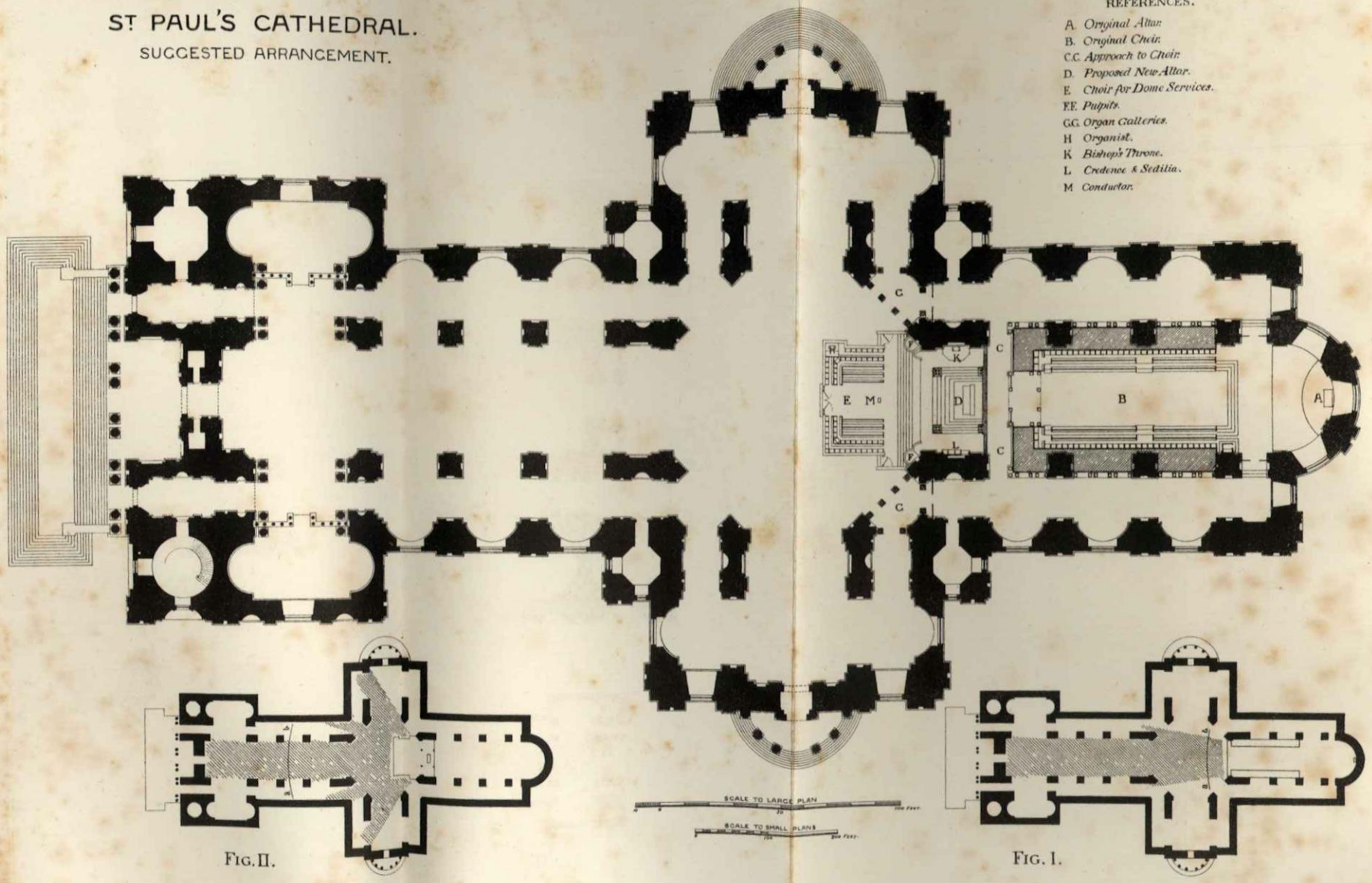
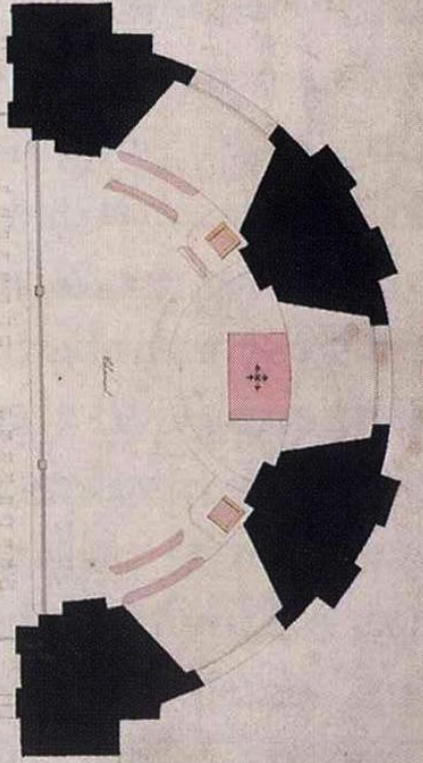


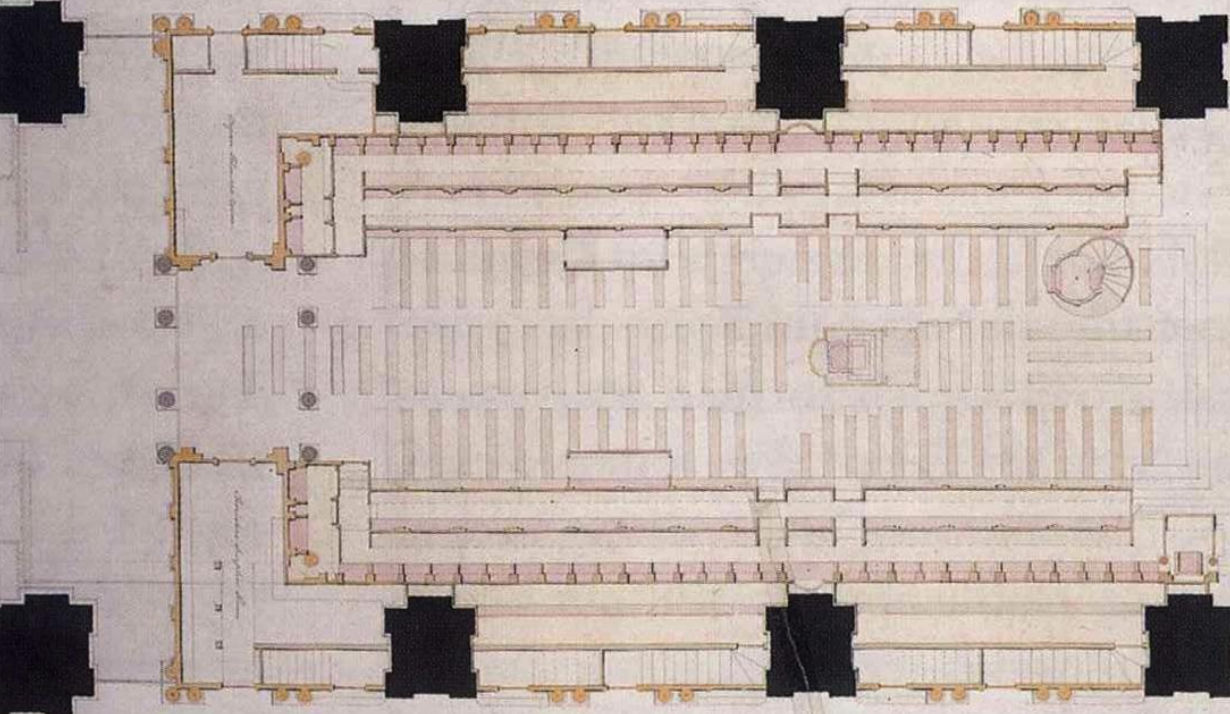
FIG. II.

FIG. I.

*St Paul's Cathedral*



PLAN OF THE CHORUS AND APSE OF ST PAUL'S CATHEDRAL  
AS RESTORED BY MR. WILKINSON  
IN THE YEAR 1821



*St Paul's Cathedral*

*St Paul's Cathedral*

















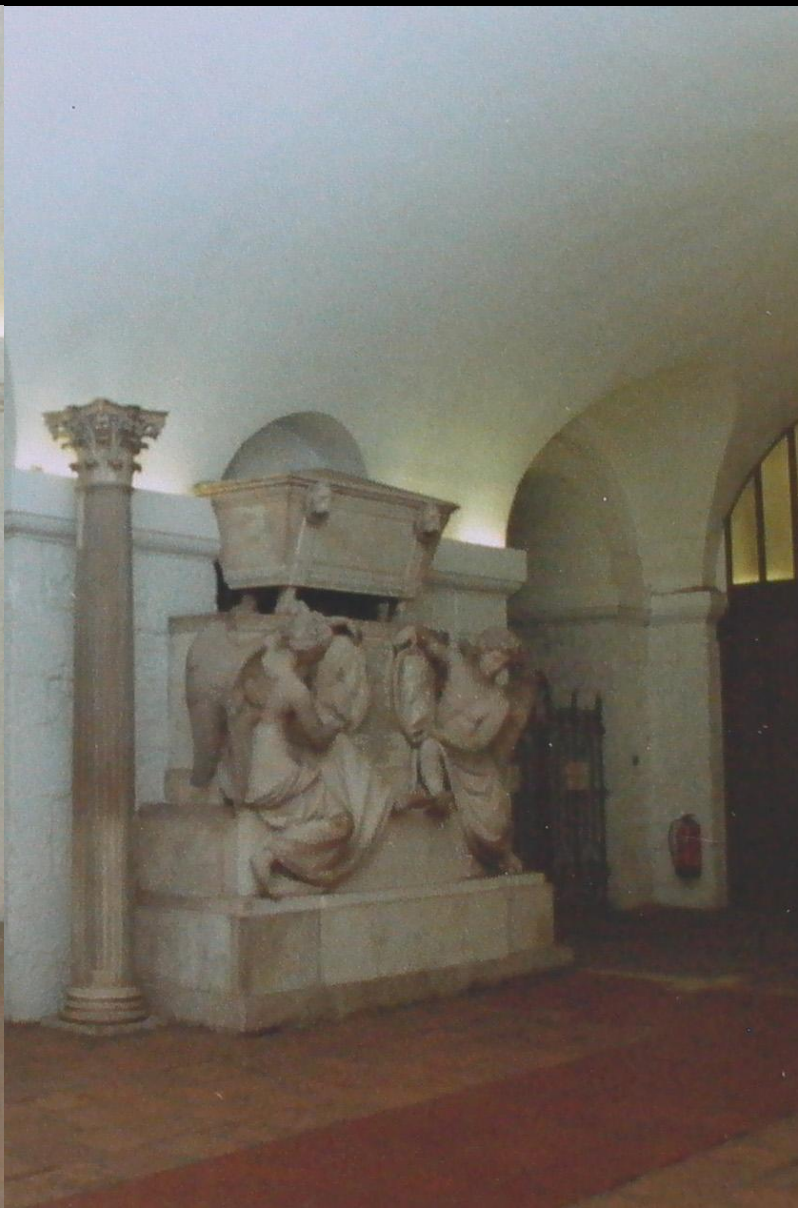
# 5. CRYPT AND TRIFORIUM









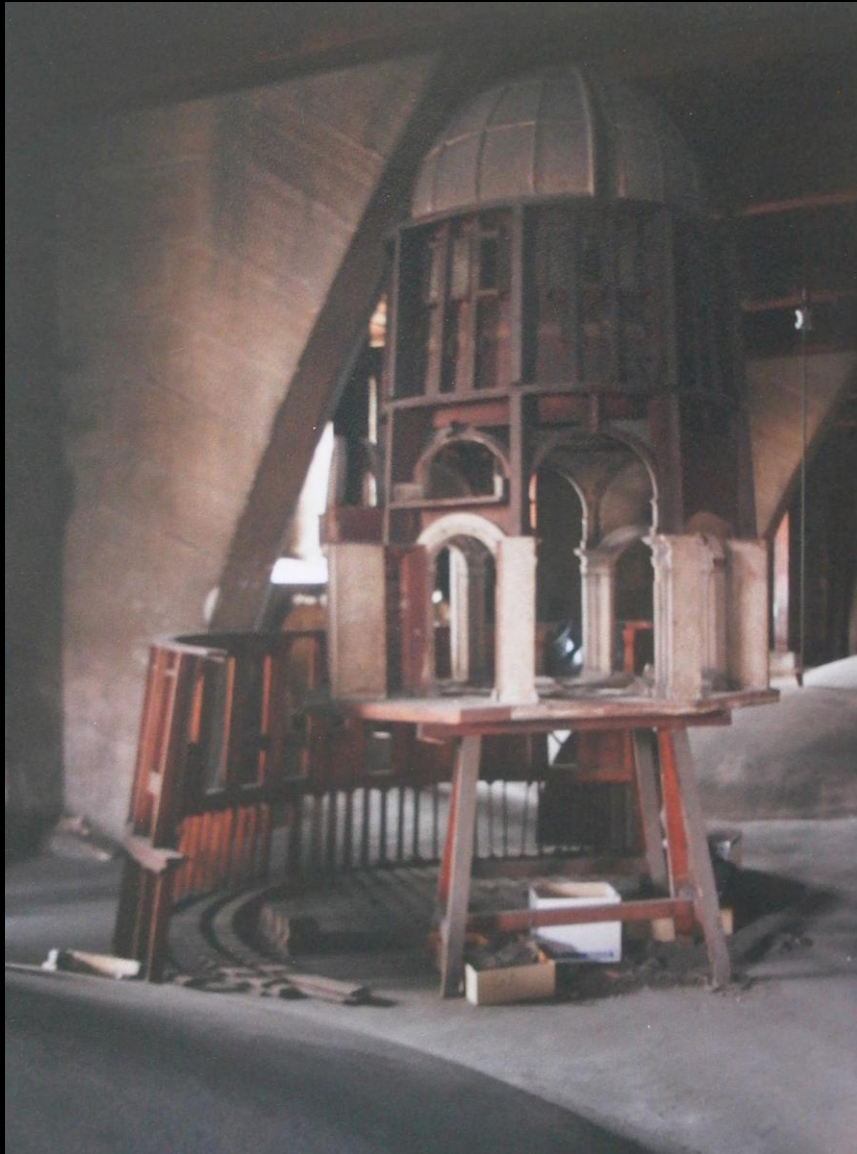
















# 6. SETTING















