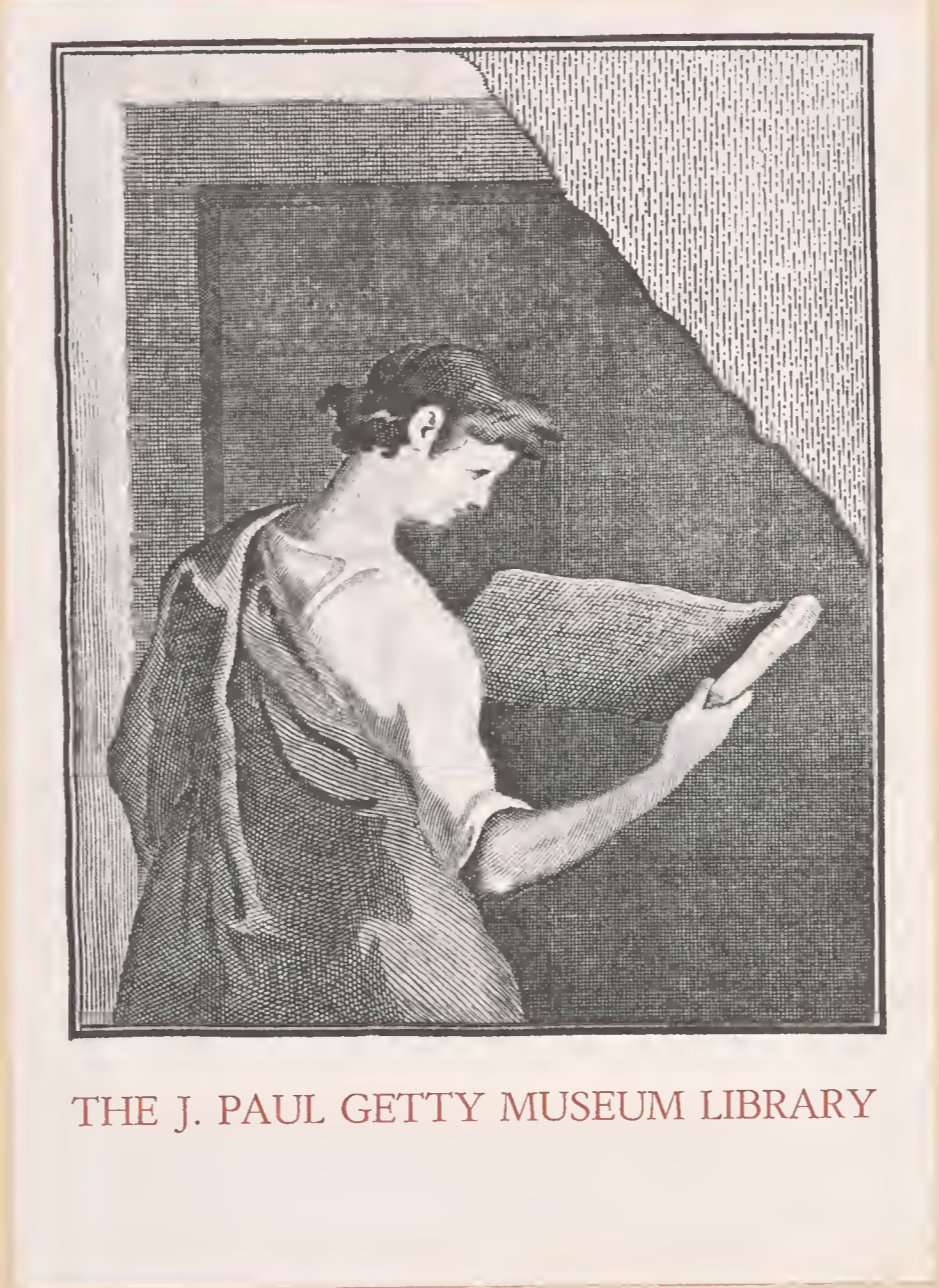
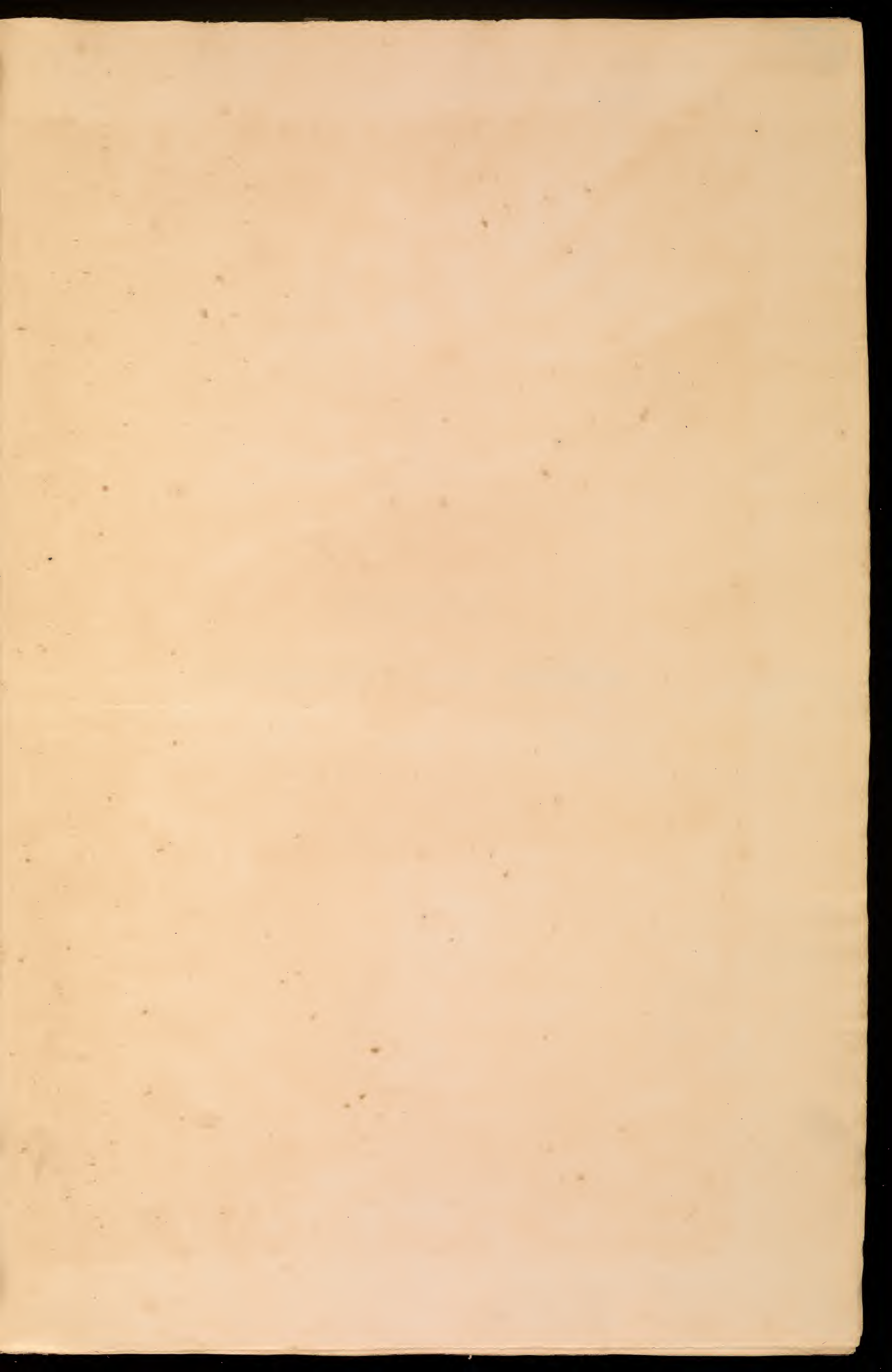


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ANATOMY OF THE

INTERNAL ORGANS

OF THE HUMAN BODY

BY J. H. HENNING

OF THE UNIVERSITY OF

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FROM 1784 TO 1800

IN TWO VOLUMES

VOLUME THE SECOND

BY JOHN BRANT

ALBANY: PRINTED BY G. B. LEITCH,

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## CONTENTS.

CHAPTER I.		CHAPTER V.	
ELEUSIS	page 1	TEMPLE OF DIANA-PROPYLÆA	page 37
CHAPTER II.		CHAPTER VI.	
THE PROPYLÆA	9	TEMPLE OF NEMESIS	41
CHAPTER III.		CHAPTER VII.	
THE INNER VESTIBULES	19	TEMPLE OF THEMIS	51
CHAPTER IV.		CHAPTER VIII.	
THE TEMPLE OF CERES	27	TEMPLE OF MINERVA-SUNIAS	53
CHAPTER IX.			
PORTICO AT THORICUS			57

TABLE

CONTENTS

Introduction	1
Chapter I	10
Chapter II	25
Chapter III	40
Chapter IV	55
Chapter V	70
Chapter VI	85
Chapter VII	100
Chapter VIII	115
Chapter IX	130
Chapter X	145
Chapter XI	160
Chapter XII	175
Chapter XIII	190
Chapter XIV	205
Chapter XV	220
Chapter XVI	235
Chapter XVII	250
Chapter XVIII	265
Chapter XIX	280
Chapter XX	295
Chapter XXI	310
Chapter XXII	325
Chapter XXIII	340
Chapter XXIV	355
Chapter XXV	370
Chapter XXVI	385
Chapter XXVII	400
Chapter XXVIII	415
Chapter XXIX	430
Chapter XXX	445
Chapter XXXI	460
Chapter XXXII	475
Chapter XXXIII	490
Chapter XXXIV	505
Chapter XXXV	520
Chapter XXXVI	535
Chapter XXXVII	550
Chapter XXXVIII	565
Chapter XXXIX	580
Chapter XL	595
Chapter XLI	610
Chapter XLII	625
Chapter XLIII	640
Chapter XLIV	655
Chapter XLV	670
Chapter XLVI	685
Chapter XLVII	700
Chapter XLVIII	715
Chapter XLIX	730
Chapter L	745
Chapter LI	760
Chapter LII	775
Chapter LIII	790
Chapter LIV	805
Chapter LV	820
Chapter LVI	835
Chapter LVII	850
Chapter LVIII	865
Chapter LIX	880
Chapter LX	895
Chapter LXI	910
Chapter LXII	925
Chapter LXIII	940
Chapter LXIV	955
Chapter LXV	970
Chapter LXVI	985
Chapter LXVII	1000

## CHAPTER I.

### ELEUSIS.

THE Plain of Athens is separated from another of considerable extent by a ridge of mount Icarius, stretching in a north-easterly direction from the bay of Eleusis. This was the Thriasian plain, hallowed, according to the writers of antiquity, by the presence of Ceres, who first instructed its inhabitants in agriculture.

A low rocky hill about three-hundred yards from the sea, at the south-eastern extremity, was selected by the Eleusinians for the site of their citadel.

The declivity of the hill facing the south-east being formed into an artificial terrace, and the rock having been cut away from the front to the rear, a level area was obtained for the sacred inclosure of the mystic temple; which was destined to be the theatre of the most solemn amongst the rites of Greece.

The magnificent structure erected by the great statesman of Attica for the solemnization of the mysteries of Ceres, stood a bold and prominent feature in a picture, whose back ground was formed by the walls and towers of the impending Acropolis. In front, the villas and gardens of the Eleusinians, spreading themselves around the foot of the rock, and along the borders of the Bay of Salamis, completed a scene which had no where its equal.

As accessories in the composition of this grand design, the vestibule of the sacred enclosure, and the connected temple of Diana-Propylæa, were worthy of admiration. The former, little inferior to the Propylæa of the Athenian Acropolis, from which it appears to have been faithfully copied, was in itself a work of the greatest importance, and little less costly than its prototype, the execution of which is said to have involved an expenditure of two thousand and twelve talents. The latter much inferior in magnitude, was advanced fifty feet before the Propylæa, upon a platform extending an hundred and fifty feet from its front, and nearly twice that distance in length along

it. This pavement, formed by blocks each six feet by four, and a foot in thickness, was terminated at each extremity by a building of the Corinthian order of architecture.

The great sanctity of the chief building was protected by a double inclosure, one within the other. The first was approached by the Propylæa already mentioned.

The walls of the inner peribolus, which may still be traced at intervals throughout the greater part of their extent, formed four sides of an irregular pentagon. The entrance was through a gateway of singular construction, facing the north, and placed at an angle of the peribolus. Between this portico and the rear of the inclosure, the abruptness of the rock, which in this spot was suffered to remain, rendered any considerable barrier unnecessary.

The mystery cast over the Eleusinian rites prevented all mention of the buildings in which they were solemnized. Pausanias pretends that he was deterred by a vision he saw in his sleep from disclosing any particulars concerning the Eleusinium at Athens; and the same super-human interposition forbid him to notice any object contained within the sacred precinct of the temple at Eleusis.\*

His description of the buildings without the pale of this sacred spot is comprised in one short passage. "At Eleusis, there is a temple of Triptolemus, and likewise of Diana-Propylæa, and Neptune, surnamed the father. There is a well called Callichorus....An area said to be the threshing floor of Triptolemus, and an altar dedicated to him, are shewn."

The multitudes whom the desire of initiation attracted to Eleusis contributed so to enrich a spot thus favoured by Ceres, that it began to vie with Athens in splendour and extent. The Athenians, jealous of its rising greatness, reduced it to the rank of one of their demi, or borough-towns.

The present village is built upon the site of the sacred buildings, the greater part of them within the ancient limits of the sacred inclosure. It consists of about seventy cottages, inhabited by a few Albanian families.

When we contrast the very dilapidated state of the edifices of Eleusis, with the perfect condition which those of the Athenian Acropolis retained at a period long subsequent to the irruption of the Goths, we are tempted to believe that there must have been some kind of foundation for the story of Zozimus, who relates that, Alaric hastened from the straits of Thermopylæ to Athens, in expectation of an easy conquest; but on reaching the city, Minerva shewed herself from the walls in a threatening attitude, and Achilles, advanced in front, appeared to dispute the approach. Dismayed by this vision, the invader granted a capitulation, by which the city was protected from

\* Pausan. I. 38.

The temple of Triptolemus was perhaps situated where we now find the Greek chapel dedicated to St. Zacharias.

insult. Ceres does not appear to have interposed between the conqueror and her votaries at Eleusis, and the demolition of their buildings was complete. Eleusis may have been taken under aggravating circumstances; for the overthrow of these mighty edifices could not have been accomplished without the most active means, directed by vengeance or some other powerful stimulus, to that end.

Pausanias has given a description of such objects, occurring in his route from Athens to Eleusis, as he considered worthy of notice. The account, however, is concise; and he has deemed some apology necessary for abstaining from a more copious detail of the interesting monuments which met him at every step of his excursion: the tombs, the statues, and temples, were so numerous, that Polemon the guide, as it is stated in the Lexicon of Harpocration, composed an entire work on the *Ἱερα Ὁδὸς* or sacred way, alone.

This celebrated road commenced at the *Ἱεραὶ Πύλαι*, or sacred gates, of Athens. The remains of this approach may be still discerned in a modern church about three hundred yards distant from the present gate. From this a road now leads to the Piræus, and another branches off to the right, near the remains of a tomb, which, stripped of its marble facing, now exposes the rough masonry of its construction. This way leads to the site of the ancient Academy.

A few paces beyond the sacred gates, on the present road to Eleusis, a rugged and rocky spot on the left may be observed, where tombs have been discovered through recent excavations: but the country around being wholly in cultivation, all traces of the sacred way have disappeared; nor are any met with before crossing the bridge over a small torrent-bed, nearly a mile distant from the gates; where some large stones, preserving at intervals their original arrangement in straight lines, indicate the ancient road. Beyond this, near the bed of the Cephissus, a few scattered fragments around a modern chapel mark the site of an ancient building. A portion of a Doric entablature in front of the chapel bears a sepulchral inscription.

Although in the summer months the Cephissus disappears where the sacred way crosses its bed, on the road from Athens to Thebes it flows with a considerable stream; this is exhausted in watering an extensive tract of gardens, and the forest of olives, which now occupies the site of the groves of the Academy. The water is conveyed by channels to the roots of every tree, round which the ground is formed into a basin to receive and retain it. The source of the river, between the village of Cephisia, and mount Pentelicus, is a pure and unceasing spring, which issues with considerable rapidity from a square cistern or reservoir, and joins another rising in a copious stream beneath a spreading plane tree in the village.

The olive grove terminates at the chapel of St. Blasios, about fourteen furlongs from the sacred gate; it extends in breadth, from east to west, more than two thirds of this distance, and is several miles in length, from north to south. The trees are of very considerable size; their trunks, torn

by age into several divisions, are not unfrequently twenty feet in circumference. The olive is slow in its growth, and resists decay perhaps longer than any other wood. Centuries must have elapsed before it could attain the bulk these venerable trees exhibit; so that they may be considered, if not the natives of the ancient Academy, yet as their immediate descendants.

Proceeding towards Eleusis, several blocks of stone, and in some places the terrace or wall supporting the road, are yet visible. Some scattered heaps appear to have been sepulchres, which are known to have been erected along its extent: they seem to have been built in the middle of the road. About eleven furlongs beyond the church of St. Blasios, upon a bank on the right hand of the road, the remains of a small peribolus, surrounding a tomb, are seen. The sepulchre was hollowed out of the rock, and the opening covered with a marble lid, after the usual manner of closing a  *Soros*  or  *sarcophagus* .\*

From this spot the road ascends towards a gap in the mountain, anciently called  *ΕΙΣΟΔΟΣ ΜΥΣΤΙΚΗ* , or the mystic entrance; beyond which, nearly midway between Athens and Eleusis, the monastery of Daphne, supposed to have been built upon the site of the temple of Apollo, is situated. Several Ionic columns were found built into one of the walls of the modern chapel: The wall surrounding the monastery is entirely constructed with the ruins of some Grecian buildings.

Descending towards the bay of Eleusis for about fifteen hundred yards, the rock bordering the road on the right appears to have been cut through perpendicularly. The face was smoothed, and afterwards niches were hewn in it for the reception of votive tablets: the inscriptions still remain and, although unnoticed by former travellers, may be distinctly seen and read when the rays of the sun fall obliquely upon the face of the rock. They are dedicatory to Venus:† several small doves cut in marble, of rather rude work, have been found on the spot. The ruins near the rock are part of the ancient temple of this goddess. The whole extent of the peribolus in front of this building, which the ruins prove to have been a Doric structure, may be traced: the road passes between the rock and the wall of the inclosure. The pass here appears to have been fortified at the junction of two roads, one of which, impassable by carriages, branching off to the right, leads by a less circuitous route to the plain of Eleusis. The modern road leaves the sacred way on the right and joins it again at a point on the shore now called  *κακὴ σκαλα* , or the bad road, the rock over.

\* This tomb had recently been opened by M. Fauvel, the French consul resident at Athens, by breaking the marble covering; a coffin was discovered within the cavity, which still retained considerable marks of the blue colour with which it had been painted; four bronze rings were attached to it. The exterior was decorated with an ornamental border, cut in ivory, and afterwards fixed to the wood. On opening the coffin the skeleton of a female was discovered: the head was bound with a golden wreath of myrtle or olive: by its side was laid a small curious stick or wand, together with a musical instrument, not unlike a guitar. The shoes were tolerably perfect, as well as a small double comb, which was pierced for the reception of some ornament. Several other tombs of similar construction, in the neighbourhood, were opened, and found to contain black earth and charcoal, together with vases of ordinary pottery, and lacrymal vases of alabaster.

† Thria, one of the demi of Attica, from which the plain beyond received its appellation, was near this spot. At Thria, there was a temple of Venus-Phile, erected in compliment to Demetrius, whose mother was named Phile. The words  *ΦΙΑΗ ΑΦΡΟΔΙΤΗ*  occur in two of the inscriptions cut in the surface of the rock.



which it passes being carried along the edge of the rock, close to the sea, and dangerous where the ancient road has been ruined. The sacred way appears to have been continued along the foot of the hill on the other bank of the Rheti, or salt lakes, which have their sources in the neighbouring mountains. After passing the Rheti, the bed of a torrent, flowing from mount Parnes at the village of Kassia, on the road from Athens to Thebes, crosses the sacred way. The torrent, although now absorbed in the Thriasian plain, runs through a deep and rocky bed nearer to its source. The channel which conveyed its waters to the Eleusinian aqueduct may be traced in the rock along the course it follows. After passing a road which, on the right, leads to Thebes, over mount Cithæron, the remains of a sepulchre may be discerned: an inscription shews that it was the tomb of Straton, of Cýdathenæum. The sacred way again appears at this spot; it is carried over an embankment raised above the plain, which was frequently inundated.

The Eleusinian Cephissus has its rise in mount Cithæron, near Eleutheræ; it enters the Thriasian plain at a place now called Sarantapotami; it runs in a deep channel towards the insulated hill of Magoula, a small eminence, on the summit of which are the remains of an ancient tower. There were formerly quarries at this place. The river is here divided into two main branches, one of which discharged itself into the bay of Salamis, through the Rharian plain, to the west of the hill above the town, and the other, fifteen hundred yards to the eastward of the ancient port: the road crosses several small channels diverging from the latter; these are mostly without water, excepting the branch nearest to Eleusis, where the stream runs in a deep trench, below a bridge, at a small grove of olives, about five hundred yards before reaching the modern village. About three quarters of a mile in advance of this spot there are remains of a building which has been raised upon arches, now filled with earth and rubbish; thus constructed in order that it might not impede the passage of the waters to the bay when the river overflowed its bank.

A little below, where the stream of the Cephissus is divided into two channels, an embankment has been constructed extending along the eastern bank of the western branch, and terminating near the foot of the hill upon which the Acropolis of Eleusis is situated: another follows the direction of the eastern branch along its western bank. The object of these mounds was evidently to protect the Delta of the Cephissus; or that triangular tract of low land enclosed between the two branches of that river, and widening towards the sea, from inundations by sudden floods, to which that mountain stream was subject.

Where the first of these embankments terminates a cavern was discovered, which, if we were inclined to credit the fables of early Grecian history, might be supposed the retreat of the robber Procrustes, or Polypemon, who is said to have been vanquished by Theseus on the banks of the Cephissus.

On the eastern side of the hill of Eleusis is a well, which may have been that called by Pausanias Callichorus, where dances were performed by the females of Eleusis, in honour of Ceres.

The road to Megara, on the northern side of the hill, passes the cave above-mentioned, and here crosses the bed of the western branch of the Cephissus. A little beyond the river is a spring now called Vlica, which is supposed to have been the well originally termed *Anthion*, or flowery, mentioned by Pausanias. The neighbouring plain was probably the Rharian, the first cultivated spot of Attica. On the shore which bounds the plain towards the south, there is a tumulus, which is thought to have been one of those said to have been erected by Theseus over the Athenians who fell at Thebes.

The aqueduct, which in more modern times supplied Eleusis with water from the sources in mount Parnes, is of very rude workmanship, and might be considered as a recent production, but from the circumstance that none of the fragments of the ancient buildings have been employed in its construction.

The northern part of the Athenian plain communicated through the pass of Dema with the great plain of Eleusis; through this, the Lacedemonians, in the Peloponnesian war, made an irruption, and penetrated as far as Acharnæ, now called Menidi. The wall which defended this pass may be traced to a very considerable extent.

The roads from Athens to Thebes and Oropus passed through two defiles of mount Parnes; these were severally guarded by the fortresses of Phyle and Decelea. The latter was, in the nineteenth year of the Peloponnesian war, taken possession of by the Lacedemonians, who layed the whole neighbourhood of Athens under contribution, and obliged the Athenians to abandon the procession to Eleusis along the sacred way; it was therefore transported by sea, and many of the details of the ceremonial omitted. There are several remains of this celebrated fortress. Athens, which was computed to be one hundred and twenty stadia distant, is distinctly seen from it, as well as part of the plain of Eleusis, around the Rheti.

The castle of Phyle stands on a commanding eminence; its walls may be traced throughout their former extent; its distance from Athens is about one hundred stadia.

## PLATE I.

### MAP OF THE PLAINS OF ATHENS AND ELEUSIS.

This survey was taken by Sir William Gell. A base of 3137 yards having been measured on the plain near Eleusis, angles were taken to all the principal points, with an excellent instrument. The details were then inserted with great attention to the real forms and comparative elevations of the several spots. The Plate was engraved from the original drawing.

## PLATE II.

## MAP OF THE ENVIRONS OF ELEUSIS.

## PLATE III.

## GENERAL PLAN OF THE BUILDINGS AT ELEUSIS.

- A The Temple of Ceres.
- B Wall of the inner peribolus, or sacred inclosure.
- C The inner vestibules.
- D Propylæa, or entrance into the first inclosure.
- E Temple of Diana-Propylæa.
- FF Altars on the great pavement; that on the right hand has had the word  $\Phi I A A I O I$  inscribed upon it.
- G The great pavement, which extends on the north-west beyond the altar F, as far as T to the south-east: it begins at the step I, and is bounded by the dwarf wall Q.
- H An elevated basement, belonging probably to a fountain or reservoir. The line of the aqueduct passes close to it.
- K Cave in the rock; above it are the remains of a small ancient building.
- L An insulated piece of rock which probably formed the core of the pedestal supporting the great statue of Ceres, the bust of which was found in the vicinity. There is a circular hole, 1.9 in diameter, deeply sunk in the upper face, which may have received the plug by which the statue was fixed to its pedestal.
- M Portion of the rock cut down perpendicularly; it appears to have been faced with some more costly material: there are the remains of steps at its foot.
- N The modern church dedicated to the Panagia, or Virgin.
- O Church dedicated to St. George.
- PP Cisterns sunk in the rock; there were several of these discovered on this hill, above the great temple.
- R Three steps of white marble, the substructure of some pedestal.
- S Terrace in front of the great temple.
- TV At these spots the remains of two buildings of the Corinthian order were found.

The dotted lines shew the positions of the modern houses.

## PLATE IV.

VIEW OF ELEUSIS FROM THE ANCIENT MOLE

## PLATE V.

VIEW OF ELEUSIS FROM THE THRIASIAN PLAIN.

## PLATE VI.

VIEW OF THE THRIASIAN PLAIN, AND PART OF THE VILLAGE, FROM THE HILL ABOVE THE TEMPLE.

## PLATE VII.

VIEW OF THE CHURCH OF THE PANAGIA, LOOKING TOWARDS THE ACROPOLIS.

The stone with the hole in its top is marked L in the Plan; and immediately to the left is the site of the great temple.

## PLATE VIII.

THE CHURCH OF HAGIOS ZACCHARIAS, CHIEFLY BUILT WITH ANCIENT FRAGMENTS.

The two large round stones were probably the bases of statues. The composite capital represented over them is actually built up in the flank wall of the church. The present altar of the church is an ancient one, with an inscription. The wall which divides the sanctuary from the body, has, as jambs to its door, two very curious marble torches, about eight feet high; now placed in an inverted position.

**MAP OF  
THE PLAIN OF ELEUSIS  
AND THE SACRED WAY  
WITH THE PASSES OF DAPHNE AND  
DEMA AND THE FORTRESSES  
OF PHYLE AND DECELLA**

\* Churches when the name is unknown.  
 o Wells and Cisterns  
 a Remains supposed to point out the site of Demos  
 ——— Passes of the sacred way where  
 vestiges of its construction are now visible  
 T<sup>†</sup> Tombs. T on the sacred way denotes a Tomb  
 Scale of four thousand Fathoms



W. H. Storer del.

W. H. Storer del.





ELEUSIS

Scale of Feet

BAY OF ELEUSIS

W. Cell. Monod et Del.

J. Fisher, Junr. Sculp.











By William Gell, del.

W. Cooke, fec.

Church of St. George  
Angle of the Peninsula

Blarney, Pains

St. Catharine





See W. Cell, Vol. I.

G. Cooke, fecit.

Scenery

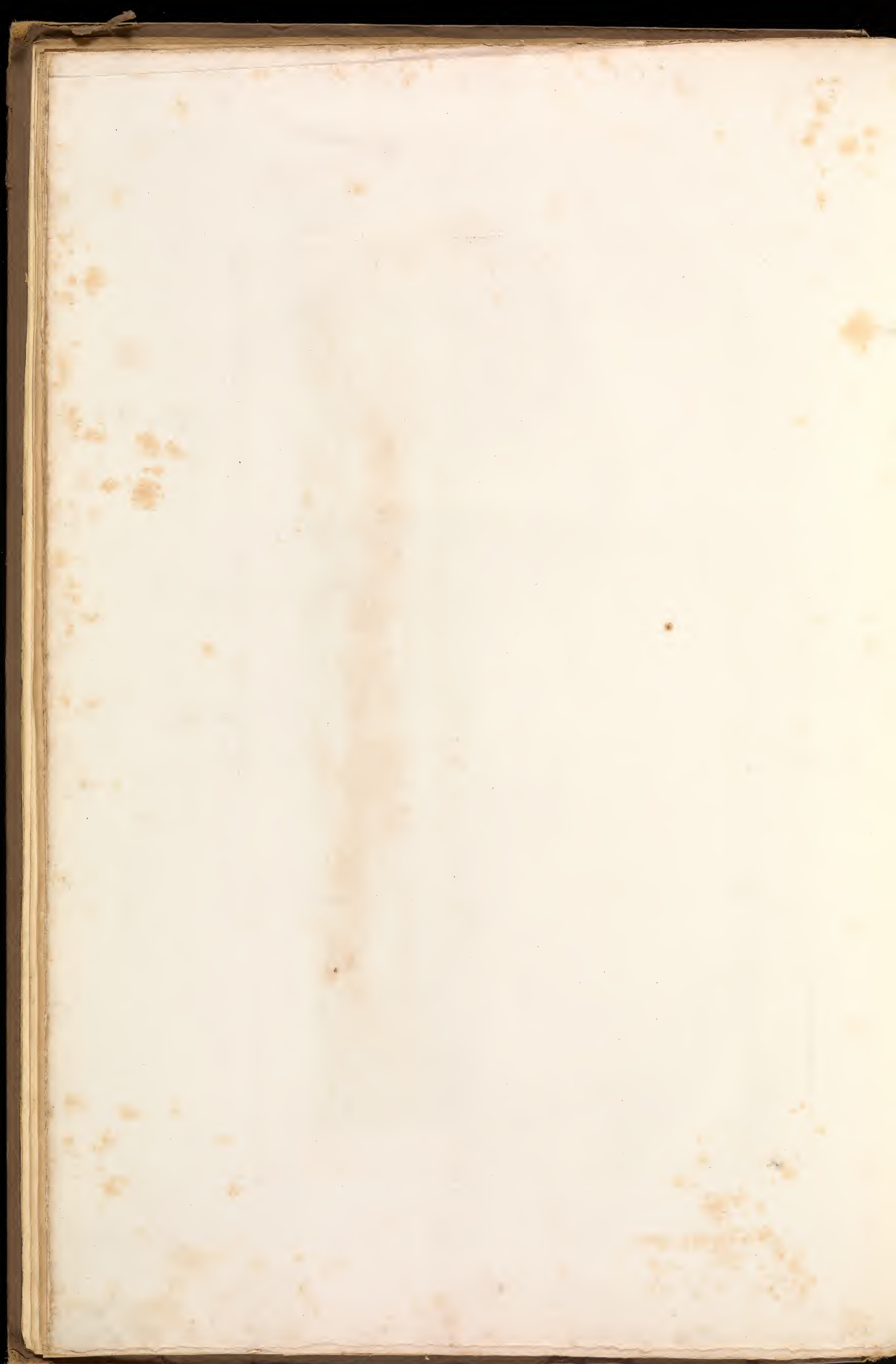
Church of St. George's  
Walls of the Castle

Terrace  
of the Temple  
of Isis

Propylon

Ancient Wall  
St. George's

Pyrgo





W. Wood, del.

E. Cooke, fecit

M. Crispellus

Hymettus, Tunicus

Morus cap.

Stephani, Abbe at Rheci

Parthenon, Tomb of Straton

Dema

Propylaea

M. Perros Temple

Aqueduct





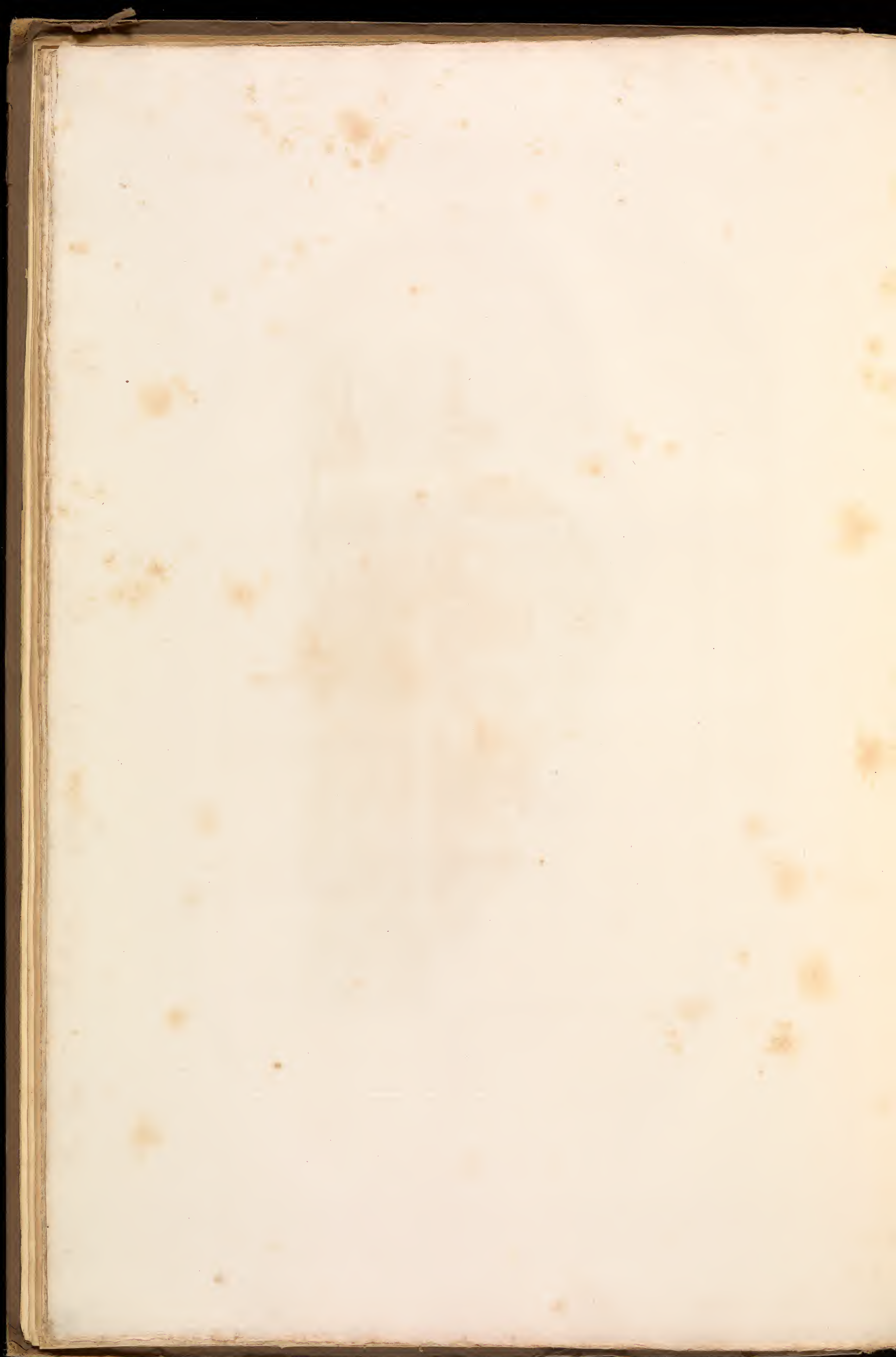


St. William Col. del.

G. Cooke. sculp.







## CHAPTER II.

## THE PROPYLÆA.

THE prototype of this beautiful building is still to be seen in the Athenian Acropolis. The elaborate and valuable work on the antiquities of this interesting spot, contains the plans and details of the edifice. It is to the Society of Dilettanti that the public owes these faithful documents.\*

The indefatigable author of the work alluded to, driven from Athens by the prevailing factions, before he could accomplish the end of his labours, was reluctantly obliged to quit the country without obtaining measured drawings of the Propylæa. Before the appearance of the second volume of the work, which was published on his return to England, Dr. Chandler, under whose direction the artists of the mission sent abroad by the Society were placed, after exploring a considerable portion of the coasts of Asia-Minor, returned by way of Athens, and succeeded in completing what had been left unfinished by his precursors.

The subject of Grecian Architecture was at that period quite new to European artists, and it happened, in consequence, that several peculiarities of the novel style of building were either overlooked or not sought after. The present publication will amply atone for all such deficiencies.

In speaking of the resemblance existing between the Propylæa of Athens and Eleusis, it is to be observed, that the central building of the former is alone brought forward in the comparison: the adjoining edifices, although connected with it by walls and carried up at the same time, are two distinct buildings; the purposes for which they were designed having no reference whatever to the destination of the almost insulated portal between them. Pausanias informs us, that one of them, on the right hand of the spectator on entering the Acropolis, was the Temple of Apterol-Victory, and the other a chapel containing several of the paintings of Polygnotus.†

\* Stuart's Antiquities of Athens, vol. ii.

† Pausanias, i. 22.

It is further to be observed, that the Propylæa at Athens are not erected upon a basement made level for that purpose; the rock in this instance being much more abrupt, it was found requisite to constitute different levels in the building; the rise taking place at the transverse wall dividing the exterior from the interior portico, where the five door-ways are situated. Those who entered the Acropolis ascended five steps at this place.

The Eleusinian Propylæa had on this account a great advantage in point of symmetry over its rival building: although what was gained in general effect, was counterbalanced by that want of high finish so conspicuous in the execution of the buildings of Athens. The absence of polish, however, is probably not to be attributed to want of skill; certainly not to a rigid system of economy, for where the plugs and cramps, of which the ancients made such liberal use, are iron in the Athenian building, they are brass in this.

It is not in the proportions only, but in the actual dimensions, both general and detailed, that the two buildings accord with a precision most remarkable, where the comparison is attainable from corresponding parts still existing in both; the difference in actual magnitude is such only as would have arisen from the execution of the same plan in two places where there was a slight difference in the standard measures, supposing the foot of Eleusis to have exceeded that of Athens by  $\frac{1}{375}$ <sup>th</sup> part. This analogy which, it is to be presumed, obtained throughout, is of essential service in the restoration of the design, which may be rendered complete from a joint consideration of the two buildings.

At Eleusis almost the only dimension that could not be ascertained was the height of the columns, not from the want of the several frusta of which they formerly consisted, but from the difficulty of access to them, occasioned by the incumbent blocks of the entablature, and the lacunaria of the ceiling.

There was less difficulty in restoring every part of the lacunaria from the fallen masses. This restoration, which could not be effected from the ruins of the Athenian Propylæa, is of the greater importance, inasmuch as the admiration Pausanias expresses on viewing the ceiling of its prototype, led us to expect an unusual degree of science and skill in the mode of its construction.\* In this expectation we have not been disappointed.

Amongst the novelties which the details of the interesting edifices of Eleusis for the first time present, the admirers of Grecian architecture will find the method of covering the buildings with marble slabs, worked into the shape of tiles. This ingenious contrivance was so highly appreciated by the Greeks, that the inventor was honoured with a statue, and the invention recorded by

\* Τὰ δὲ προπύλαια λίθου λευκοῦ τὴν ὄραφὴν ἔχει καὶ κῶσμον καὶ μεγέθει τῶν λίθων μέχρι γὰρ καὶ ἐμοῦ προεῖχε. i. 22.

an inscription, which Pausanias has preserved. Byzes of Naxos, who is thus celebrated, was cotemporary with Solon, and flourished 580 years before the Christian era.\*

The meritorious part of the invention consists in the expedients adopted for the purpose of preventing the admission of wet, and especially between the joints of the contiguous tiles: this was effected by the introduction of narrow joint-tiles,† extending from the ridge to the eaves in a continued line over the meeting joints of the flat tiles; these being previously ranged in courses, the higher overlapping that next in order below it. The construction of the *harmi* will be subsequently explained.

A substructure of porous stone, laid in regular courses, was constructed over the whole area occupied by the building.

The pavement, the steps, and every part of the superstructure, as well as the tiles of the roof, were of fine Pentelic marble. The pavement consists of blocks, nearly six feet square, and more than thirteen inches in thickness; it is so accurately fitted that in many places the joint is not perceptible. The courses next the walls all around appear to have been set before the walls were carried up.

## PLATE I.

### PLAN OF THE PROPYLÆA.

There are six steps in the north, or exterior, front of this building, they return along the flanks and finish against the walls of the peribolus. The lower step is both higher and wider than the others. The length of the upper step, on which the columns of the portico are placed, is 69.8.1. Below each column a circular sinking, half an inch in depth and something more in diameter than the column, is visible. A similar sinking may be remarked in the steps belonging to the wings of the Propylæa at Athens, and in many other examples of Grecian Architecture. It has been conjectured that it was constructed for the purpose of collecting the rain water from the channels of the flutings, and discharging it in front. In some instances, however, it is not open to the front of the step. Some have imagined that it was intended to mark the level down to which the pavement of the portico was to be worked; but it is met with in some buildings where the pavement has been finished perfectly smooth.

The lower frusta of the column, at the south-west angle of the building, nine feet in height, were remaining in place, and in a very perfect state.

\* Pausanias, v. 10.

† These tiles are called *ἀρμυι* in the Athenian Inscription.

- A The wall of the outer peribolus, the thickness of which could not be ascertained.  
 B The column at the south-west angle of the building, of which three courses are remaining, built into a modern wall of considerable thickness.  
 C A sinking in the pavement two inches and a half in depth.

## PLATE II.

## ELEVATION OF THE NORTH FRONT, RESTORED.

The columns diminish from the bottom to the top, in a line very slightly convex. The angular columns are 5.1.366 in diameter at the bottom and 4.11 at the height of six feet and a half from the upper step, which is more by three-fourths of an inch than it would have been had the diminution been made in a straight line; provided the columns were as high as those of the Propylæa at Athens.

The inclination of the pediment was ascertained by the existence of the central stone of the tympanum, which was ornamental with the half length of a priest, or hierophant, in bold relief, surrounded by a circular kind of frame. The head is mutilated, but it exhibits the *pileus* or tufted cap worn by the priesthood. Upon the lappet of the stole is represented a triton double-tailed.

## PLATE III.

## FLANK OF THE BUILDING, RESTORED.

This elevation shows the mode of covering the roof with marble tiles, which were fixed to the timber frame-work. The upright pieces at the eaves of the roof, rounded at the top, terminated the alternate rows of the *harmi*, or joint tiles; the ornament upon them was painted. The mouldings forming the capitals of the antæ were continued below the epistylum, along the flanks. The base molding of the antæ was likewise continued, along the exterior of the walls; the course of marble in which it is formed was nearly three feet nine inches in height: the other courses above it were considerably less.

The height of the walls of the peribolus, a section through which is here shewn, is given from conjecture; the coping surmounting it is likewise inserted without any authority.



## PLATE IV.

## THE CAPITAL AND ENTABLATURE OF THE EXTERIOR ORDER.

The eaves joint-tiles, terminated in upright pieces, first rounded at the top, and afterwards indented, or scolloped. The ornament formerly painted upon them is almost wholly obliterated. The lower course of tiles was formed in blocks twice the length of the ordinary tiles: the joint took place over the centre of every triglyph.

- A. Section of the lower part of the column, through the centre of one of the flutings, shewing the sinking made in the pavement wherein the columns were placed.

## PLATE V.

## THE CAPITAL OF THE ANTÆ AND SECTION THROUGH THE ENTABLATURE OF THE NORTH FRONT.

Fig. I. The upper part of the cornice made level to receive the blocks constituting the lower course of the marble tiles.

- II. The cymatium of the cornice to a large scale.  
 III. The lower molding of the cornice with part of the mutule.  
 IV. Base and capital of the antæ to a large scale.

## PLATE VI.

## SECTION THROUGH THE ANTÆ AND ENTABLATURE OF THE SOUTH FRONT.

Fig. I. The capital of the antæ.

- AA. Section through the marble tiles.  
 BB. The harmi, or joint-tiles.  
 CC. The back of the cymatium of the pediment.  
 D. Profile of the eaves joint-tile.  
 E. Section of the block in which the cymatium of the pediment was formed.

Fig. II. Cymatium of the cornice to a large scale.

- III. Plan of the columns belonging to the north front, at the top and bottom of the shaft.  
 IV. Plan of the flutings of the columns.

- V. Cymatium of the interior frieze.
- VI. Molding continued along the interior face of the wall, ranging with the capitals of the antæ.

### PLATE VII.

#### DETAILS OF VARIOUS PARTS OF THE BUILDING.

- Fig. I. Plan of the columns belonging to the south portico, at the top and bottom of the shaft.
- II. Elevation of the capitals of the same.
- III. Section through the ovals and annulets of the capital.
- IV. The termination of the flutings below the annulets.
- V. Section through the ovals and annulets of the capitals belonging to the columns of the north front.
- VI. The termination of the flutings below the annulets.
- VII. Front, profile and section of the upper part of the triglyphs. The line A in the return of the triglyph is only marked in the marble.

### PLATE VIII.

#### DETAILS OF THE CORNICE AND ROOF.

- Fig. I. Section through the cornice of the pediments.
  - A. The tile which forms the cymatium.
  - B. One of the common tiles.
  - D. Section of the harmus, or tile which covered the joint between two common tiles.
- II. Section of the cymatium, one third the size of the original.
  - A. Section of the cymatium at the other end of the same tile, where it was overlapped by the tile next above it.
  - B. The raking top of the tile forming the cymatium.
- III. The lower molding of the pediment cornice, one third the size of the original.
- IV. Plan of the triglyph and soffit of the cornice, along the flanks of the building.
- V. Termination of the eaves joint-tile, on which the lotus was originally painted.
- VI. Profile of the same.
  - A. Section of the raking top-bed of the cornice, constituting the eaves-tiles, to which the joint-tiles were attached by plugs.
  - B. Section through the cornice.
- VII. Section through the marble beams supporting the lacunaria of the porticoes.
- VIII. The base and sub-base of a pedestal found amongst the ruins in the north front of the building.

## PLATE IX.

## PLAN OF THE CEILING.

The beams of the ceiling are supported by the epistylia of the inner ranges of columns, and by the flank walls of the building. The length of the beams over the side aisles was nearly twenty-three feet, they were three feet in width, and two feet and a half in depth: each weighed about eleven tons. The intervening pannels were formed out of slabs four feet in length, sixteen inches in width, and nine in depth. Each slab comprised two pannels, excepting next the door-ways where the pannels were formed in separate pieces.

## PLATE X.

## DETAILS OF THE CEILING.

Fig. I. A division of the lacunaria belonging to the south portico.

A. The part of the slabs resting upon the beams, which was not polished.

II. Section through the pannels of the lacunaria.

IV. A division of the lacunaria belonging to the north portico.

V. The lacunaria in single pannels, adjoining the division wall of the building; the pannels were parallelograms.

VI. The star-like figure upon the ground, and the ornaments painted upon the moldings of the pannels. On some of the fragments the green colour retained a great degree of freshness.

## PLATE XI.

## LONGITUDINAL SECTION THROUGH THE CENTRE OF THE BUILDING.

The Ionic columns are 3.4.6 in diameter, and must have been 32.6 in height, if the columns of the porticoes were equally high with those of the Propylæa at Athens. The bases are formed out of square blocks, which go through the marble pavement, and are bedded upon the foundation of soft stone, constructed over the whole of the area occupied by the building.

The height of the door-way, in the section of the transverse wall, is given from conjecture.

The epistylia of the Ionic columns are single stones, meeting in a joint over the centre of every

column. Their soffit is greater in width than the lower diameter of the columns. The capitals have a projection unusually great. The shafts diminish more than a sixth part of their lower diameter.

The section of the central block belonging to the tympanum of the pediment is seen in this plate. The artist, who attempted to restore the figure, considering it to be that of a warrior, has mistaken the cap for a helmet.

### PLATE XII.

#### TRANSVERSE SECTION THROUGH THE NORTH PORTICO.

The height of the door-ways is given from conjecture.

### PLATE XIII.

#### TRANSVERSE SECTION THROUGH THE SOUTH PORTICO.

### PLATE XIV.

#### THE ORDER OF THE INTERIOR COLUMNS.

- A. The marble pavement of the portico.
- B. The quadrangular block, out of which the base is formed.
- C. Section through one of the beams of the ceiling in the north portico.
- D. Section through one of the pannels of the lacunaria.

### PLATE XV.

#### DETAILS OF THE INTERIOR ORDER

- Fig. I. Profile of the capital and section through the epistylum.
- II. Plan of the capital: one half taken below the astragal, and one half above the abacus.
  - a. Plug-holes in the abacus, four inches square, and three inches and a half deep.
  - b. A hole sunk five inches deep, made wider at the bottom than at the surface of the abacus, for the purpose of admitting the lewis or other machinery by which the capitals were raised to their places.

c c. Small grooves, by which melted lead was conveyed to the plug-holes after the epistylia were placed.

Fig. III. Section through the capital, made by a plane passing through the centre, in front.

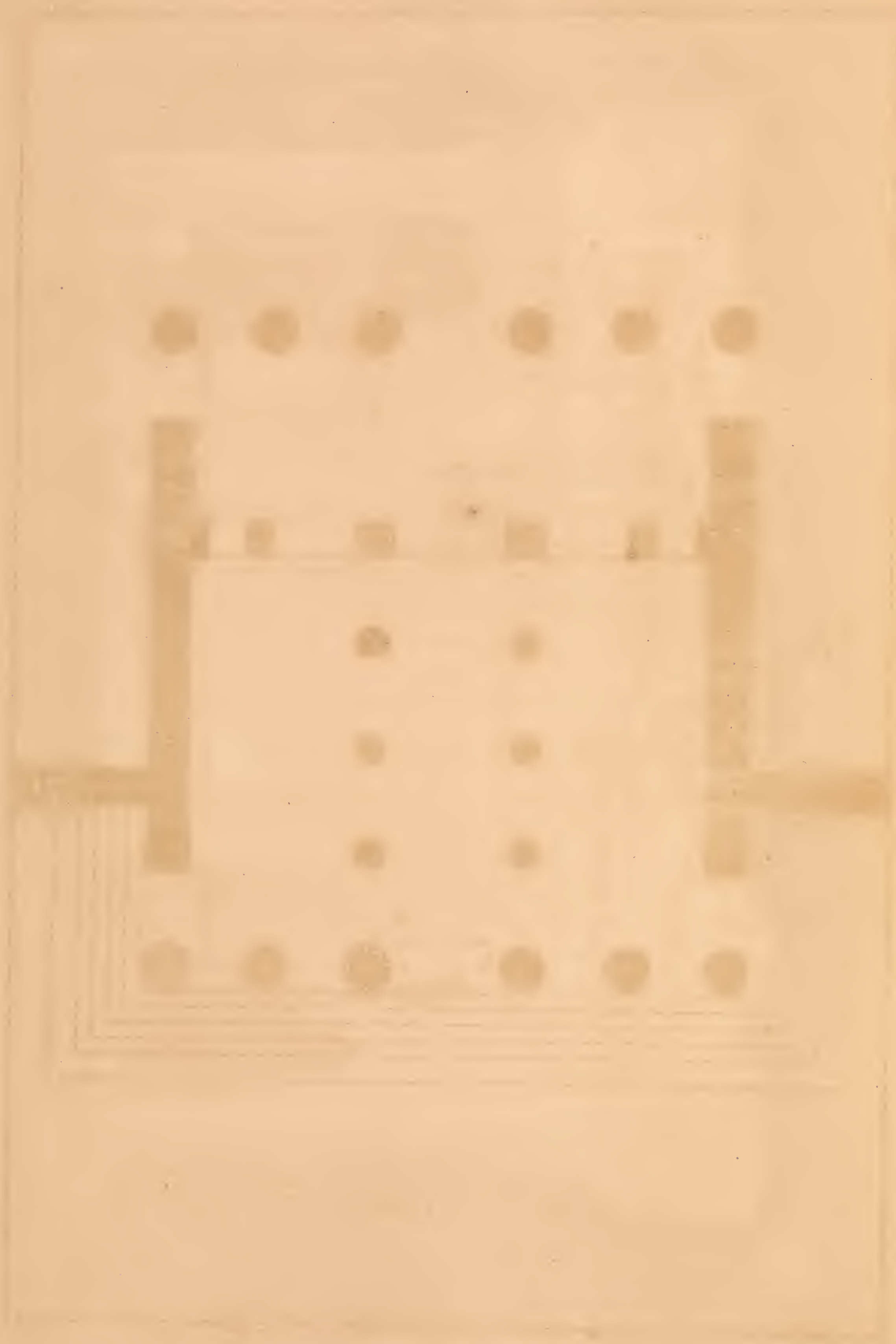
IV. Section of the same by a plane made to pass through the centre of the flank of the column.

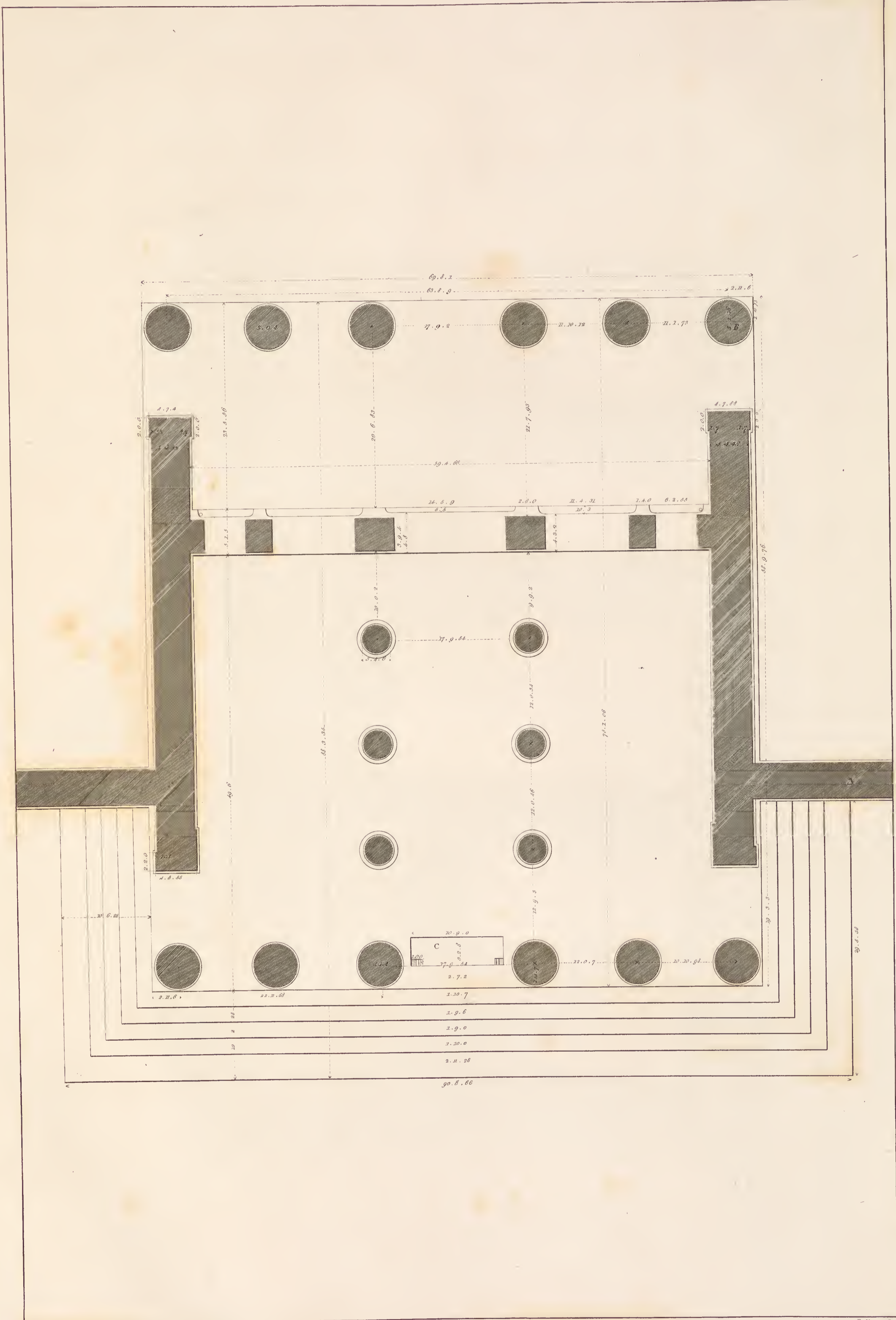
V. The upper torus and scotia of the base, one fourth the size of the original,

## PLATE XVI.

### DETAILS OF THE CAPITALS OF THE INTERIOR ORDER.

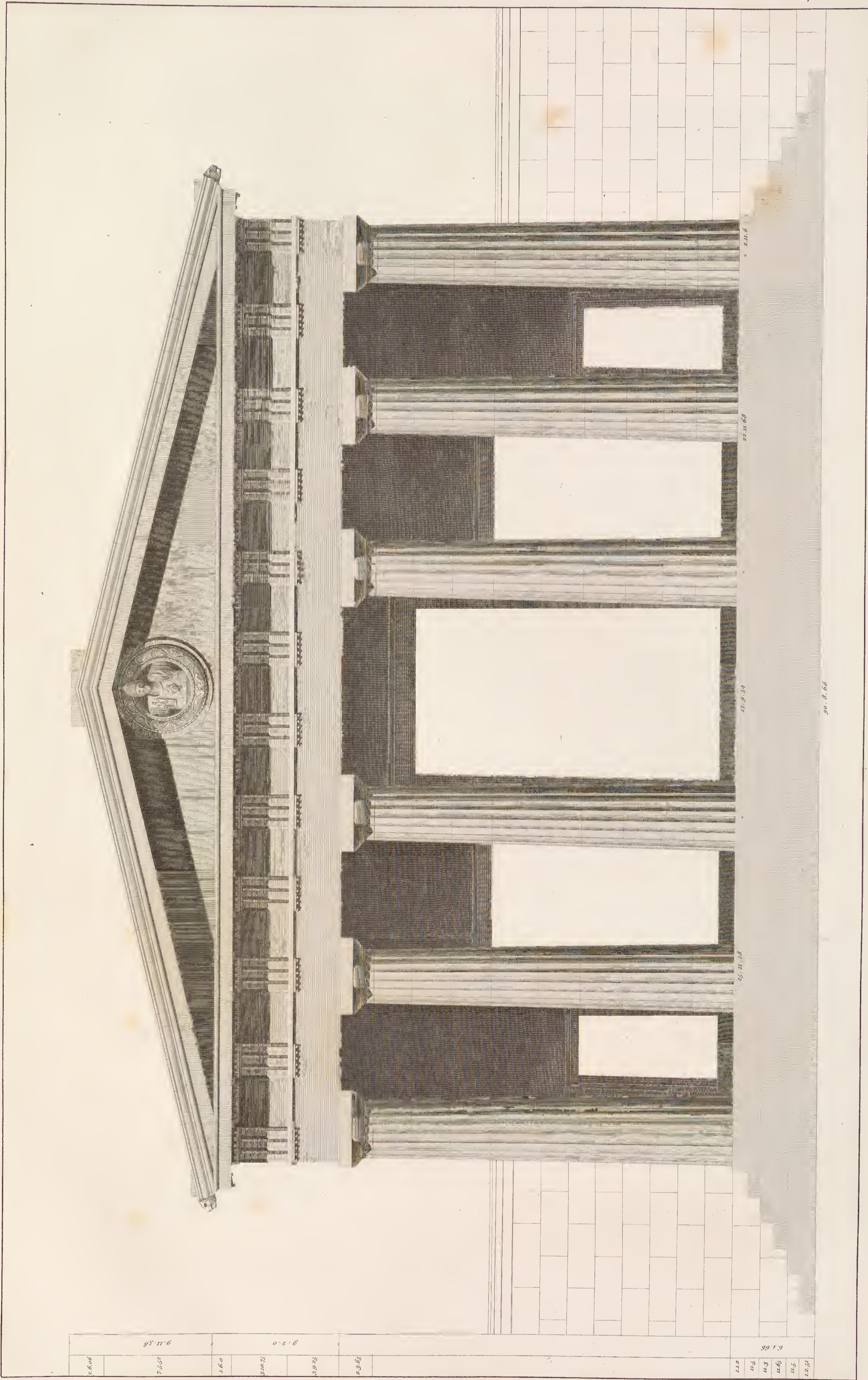
- Fig. I. Contour of the volute, one fourth the size of the original.
- II. Vertical section through the volute.
- III. Horizontal section through the same.
- IV. Vertical section through the centre of the capital.
- V. Section through the baltei or bands, in the flank of the volute.
- VI. Section through one of the flutings of the columns.
- VII. Section through the architrave moldings belonging to the door-ways on each side that in the centre.
- VIII. Section through the architrave moldings belonging to the central door-way.
- IX. Section showing the knee, through the architrave moldings belonging to the lesser door-ways.







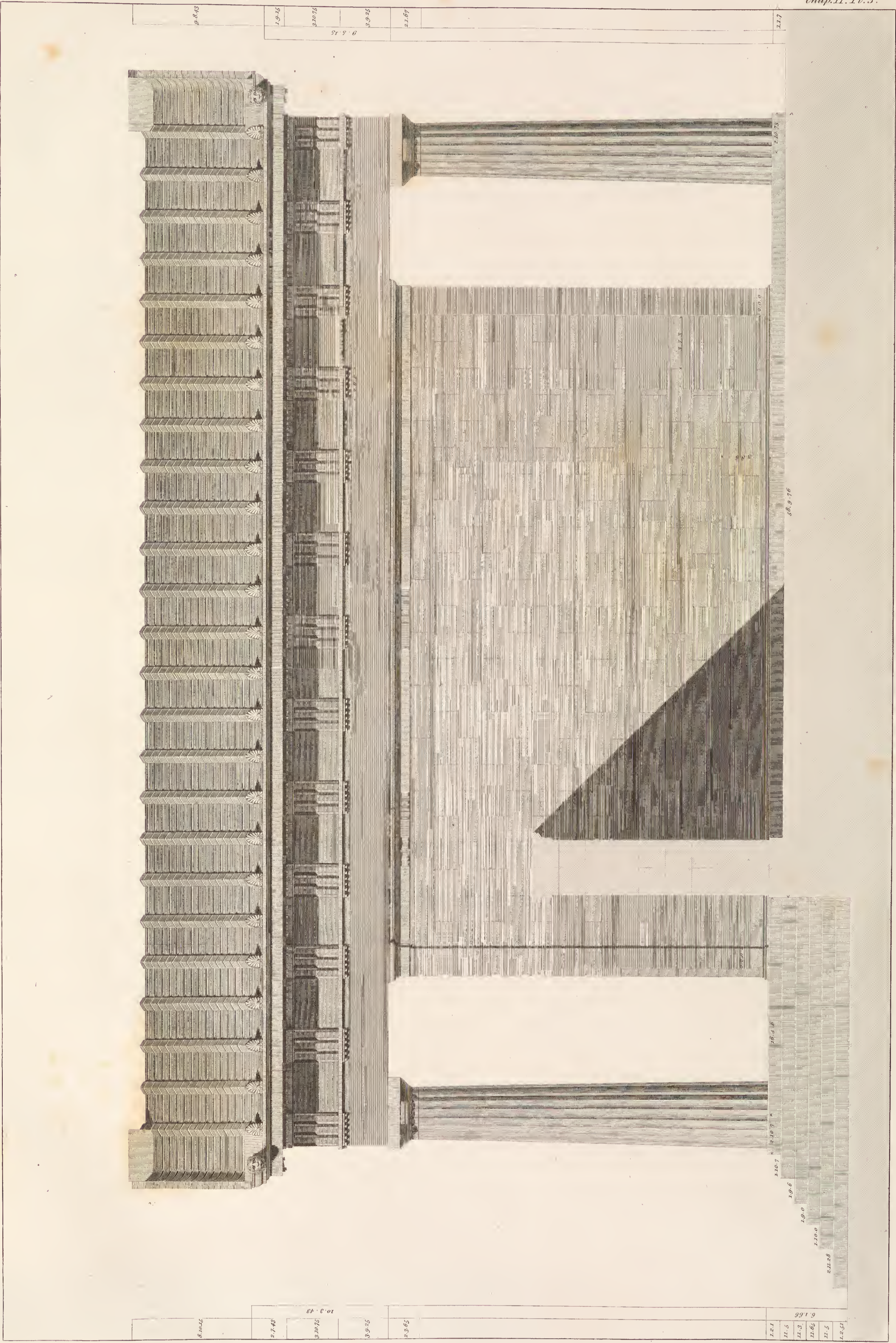




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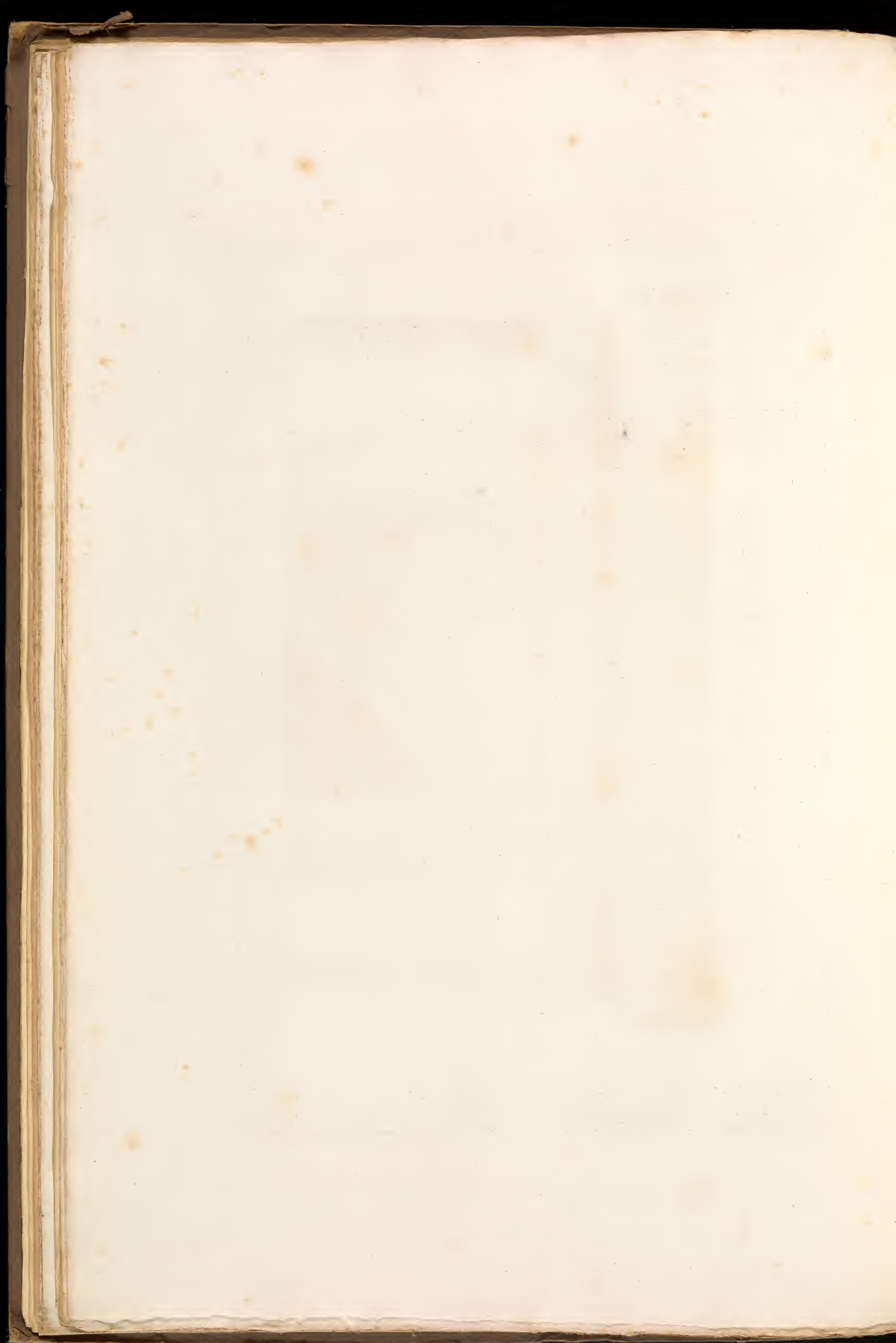
Roffi sculp.



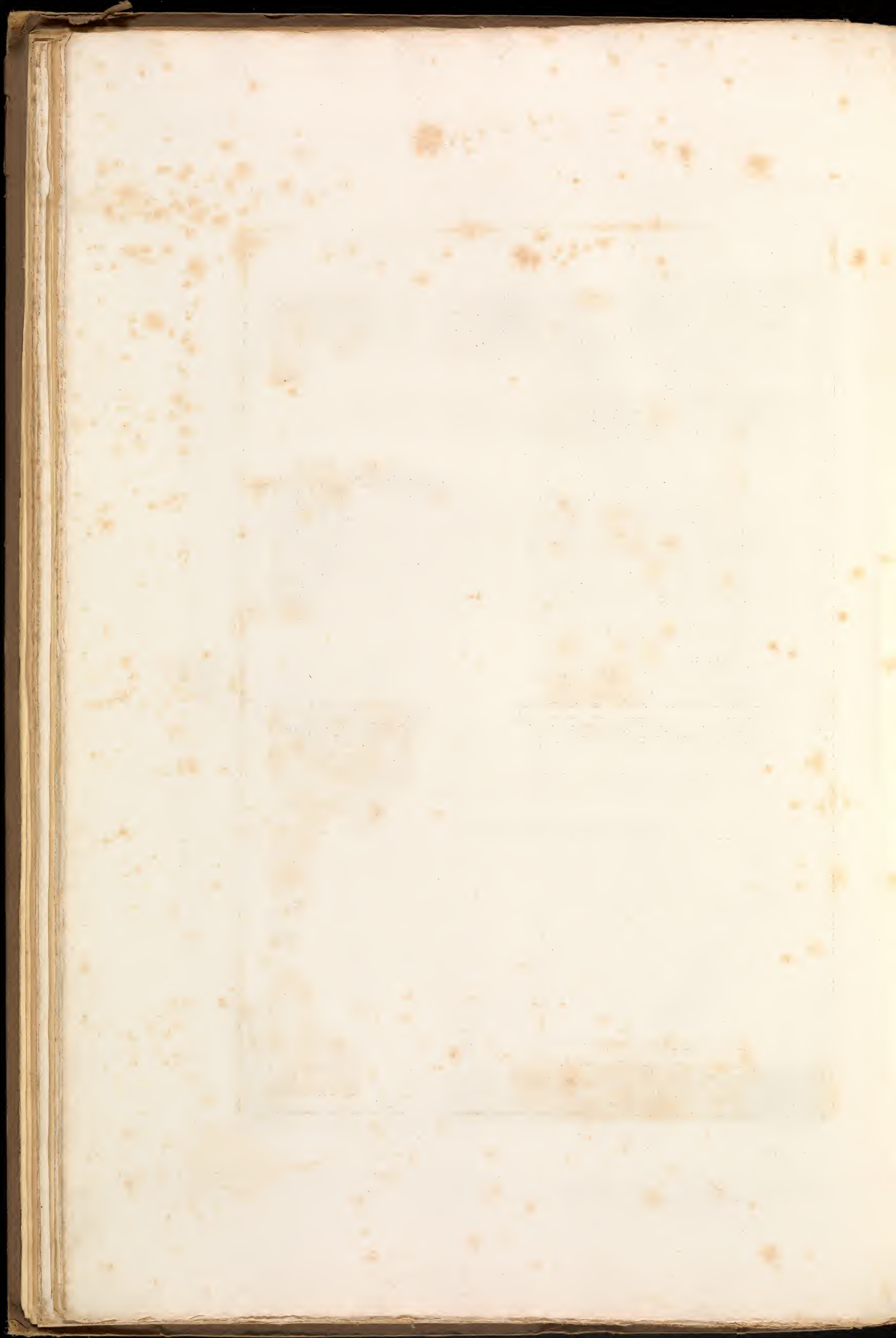


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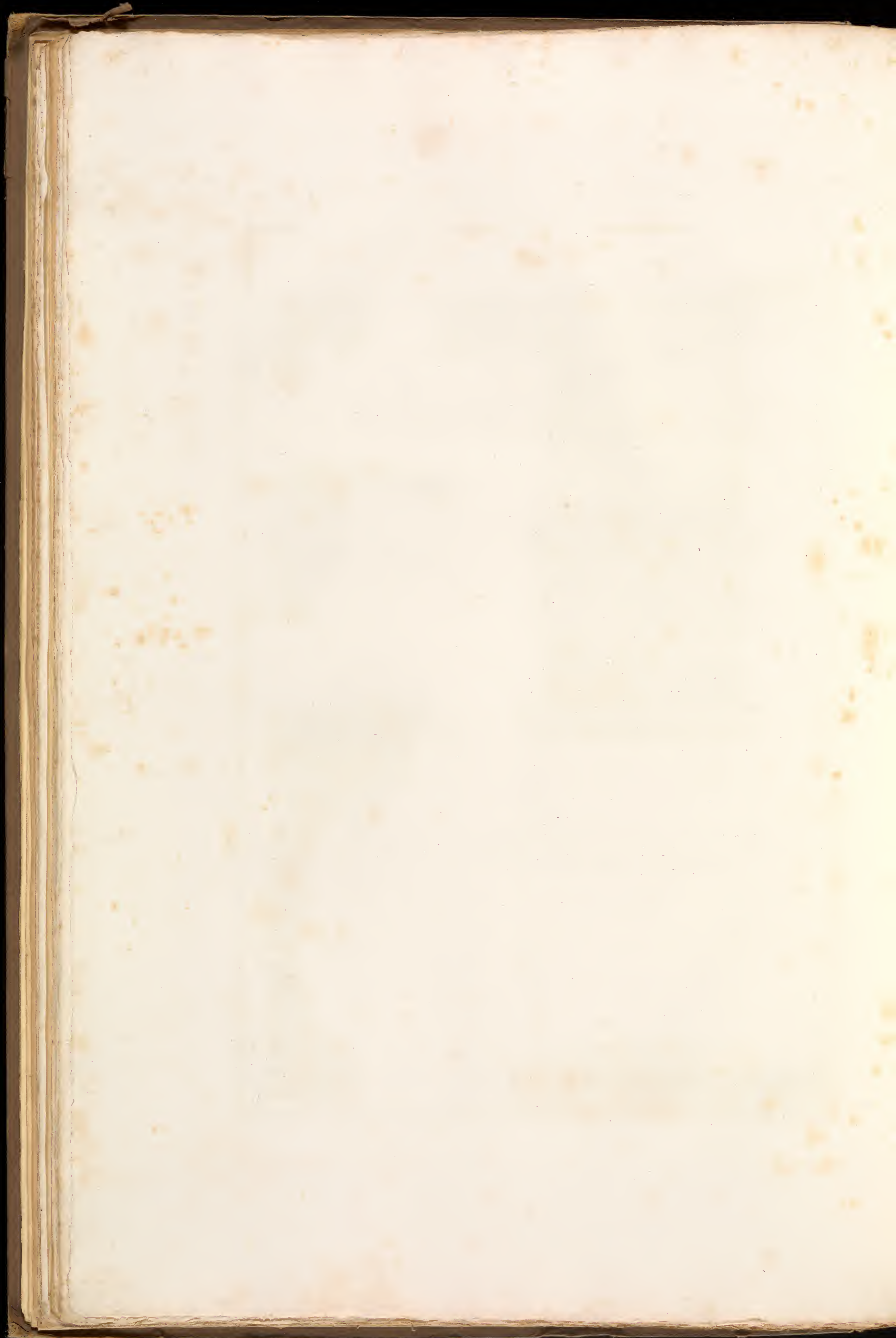
Raffa sculp.





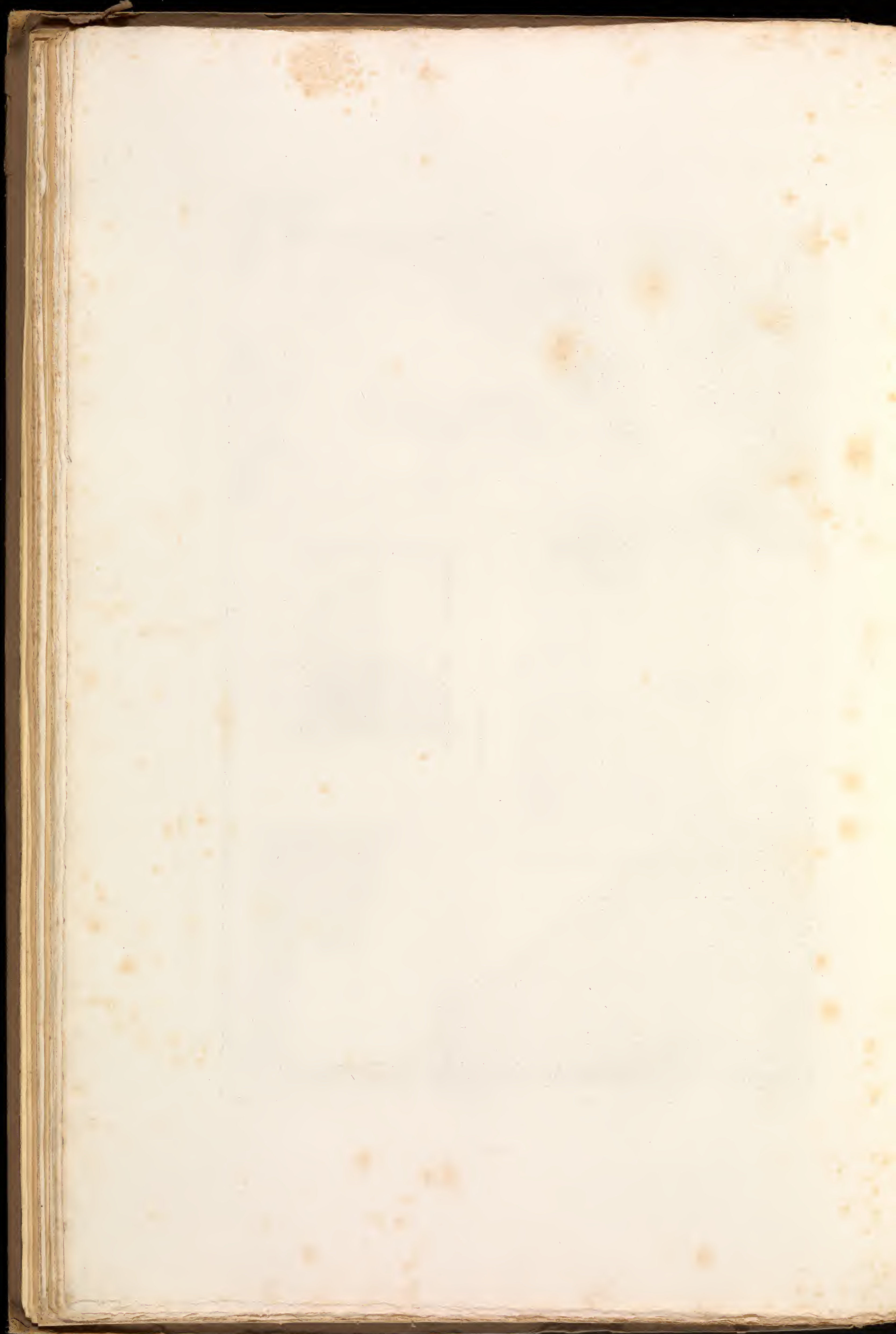








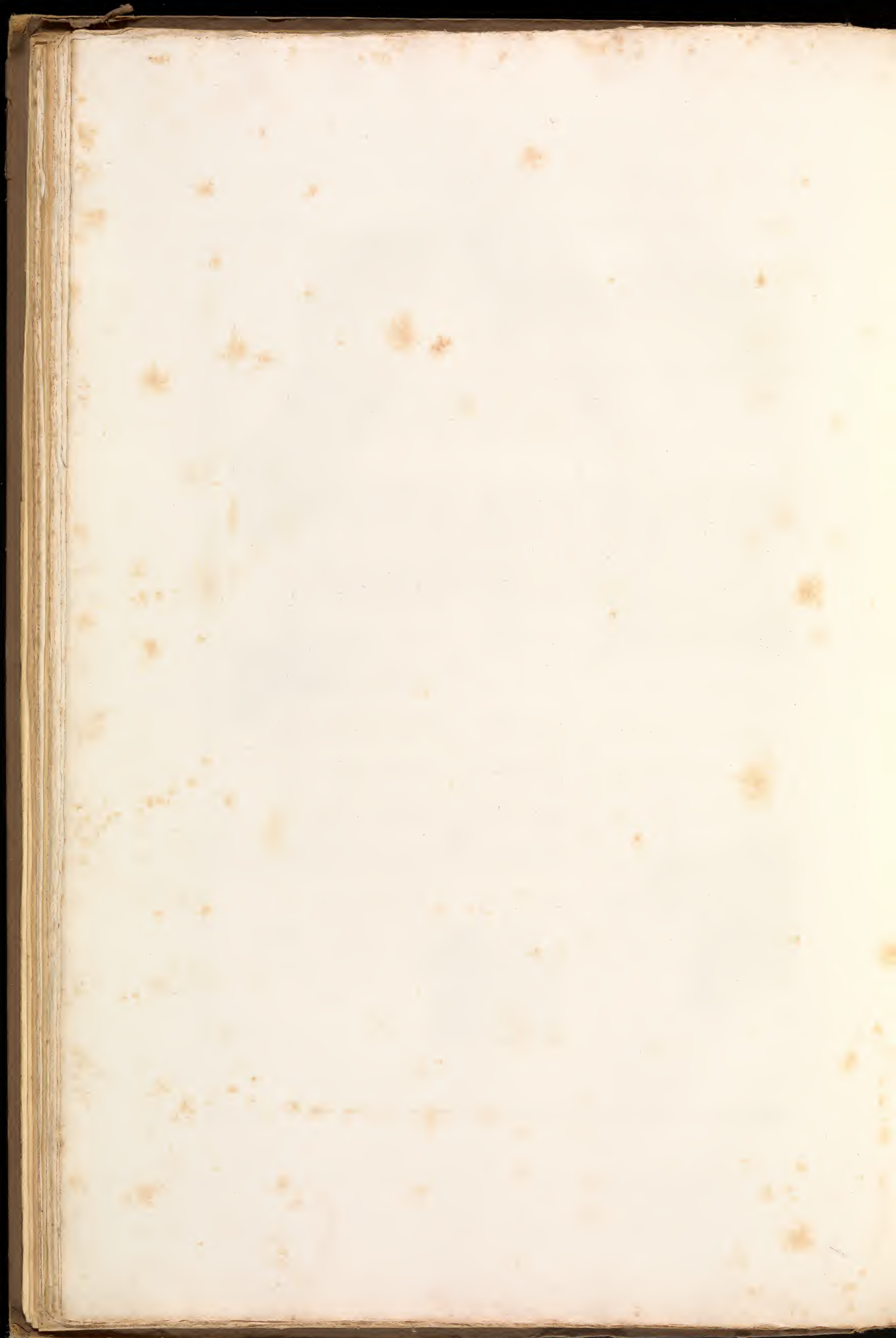


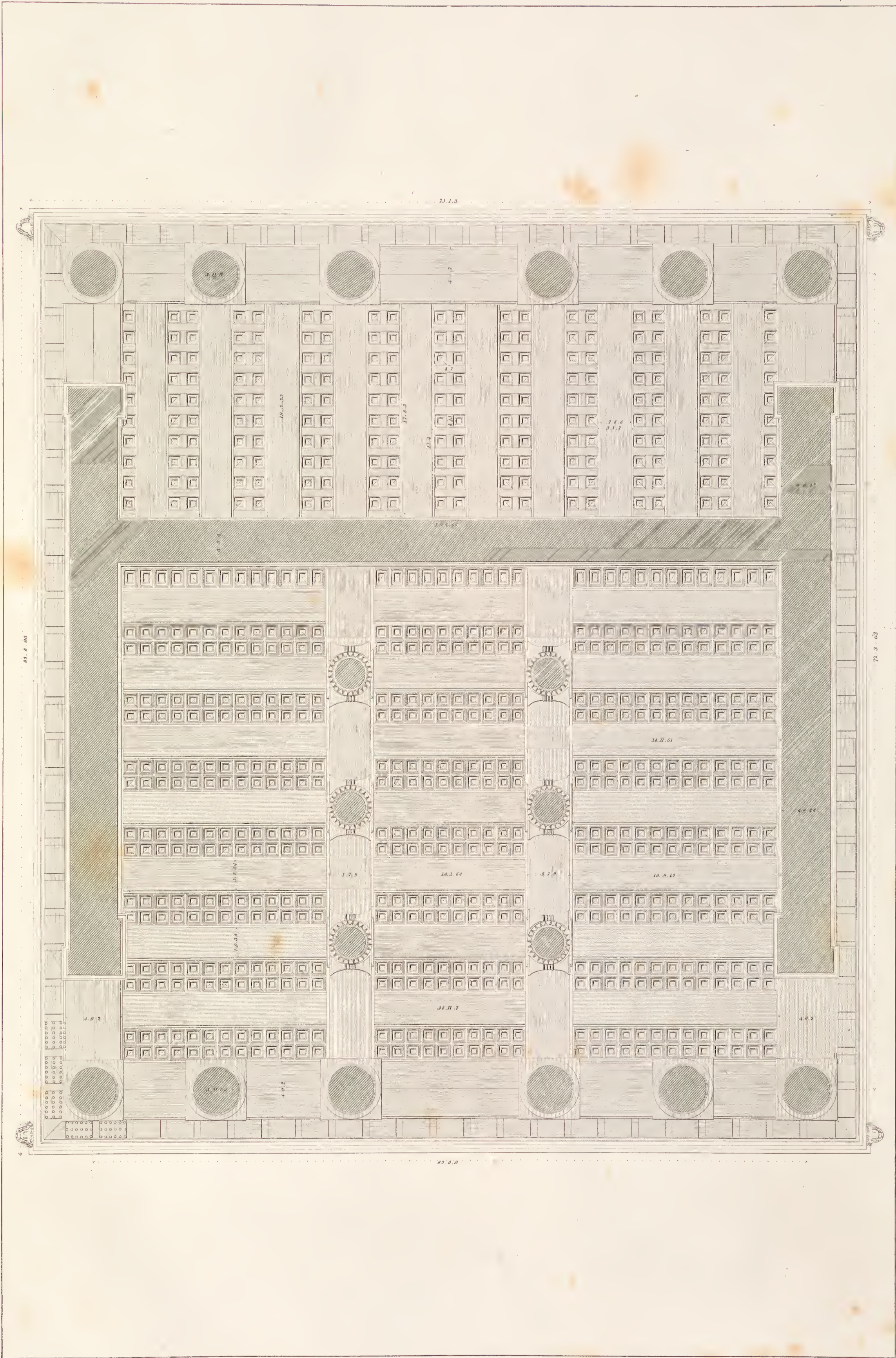


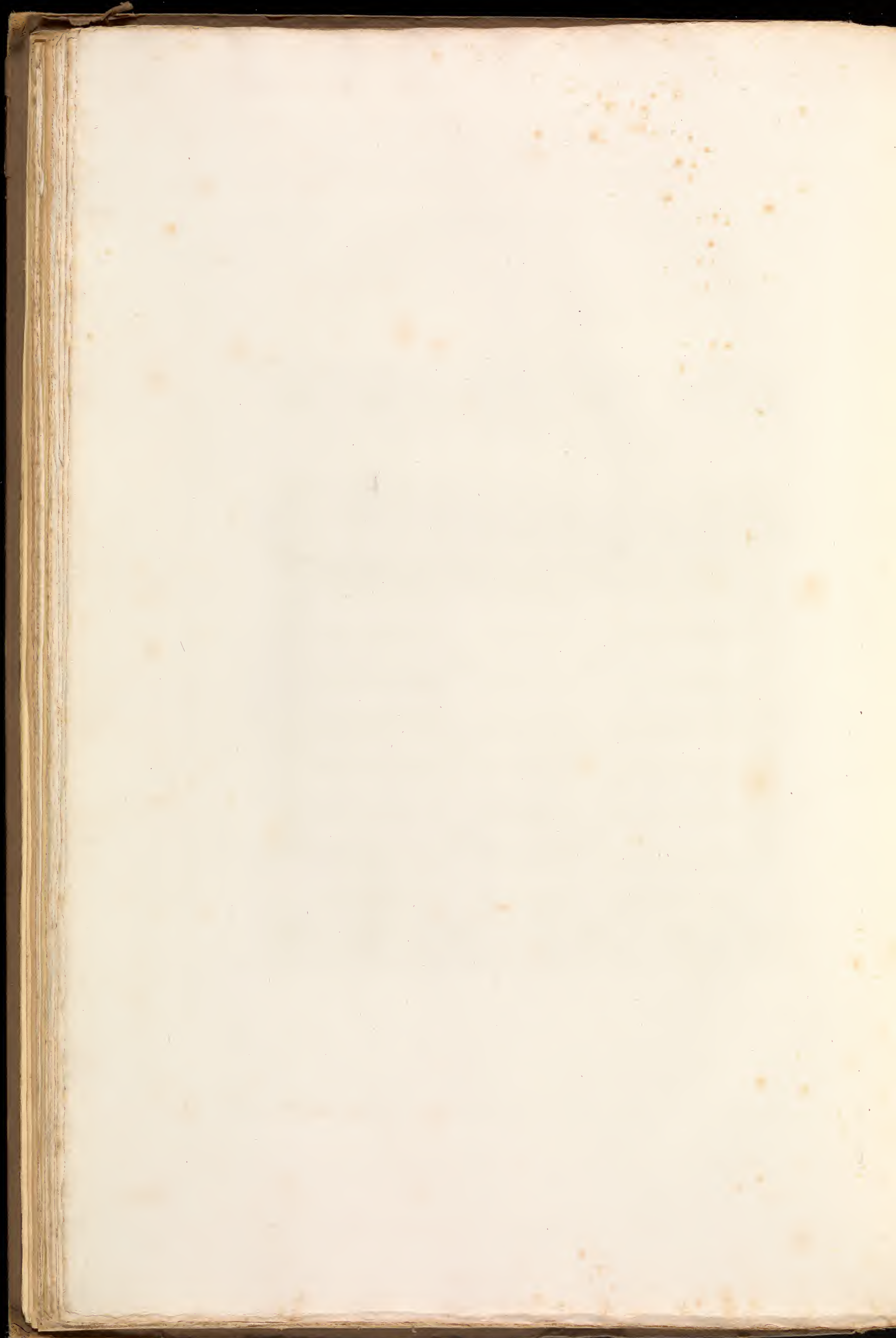




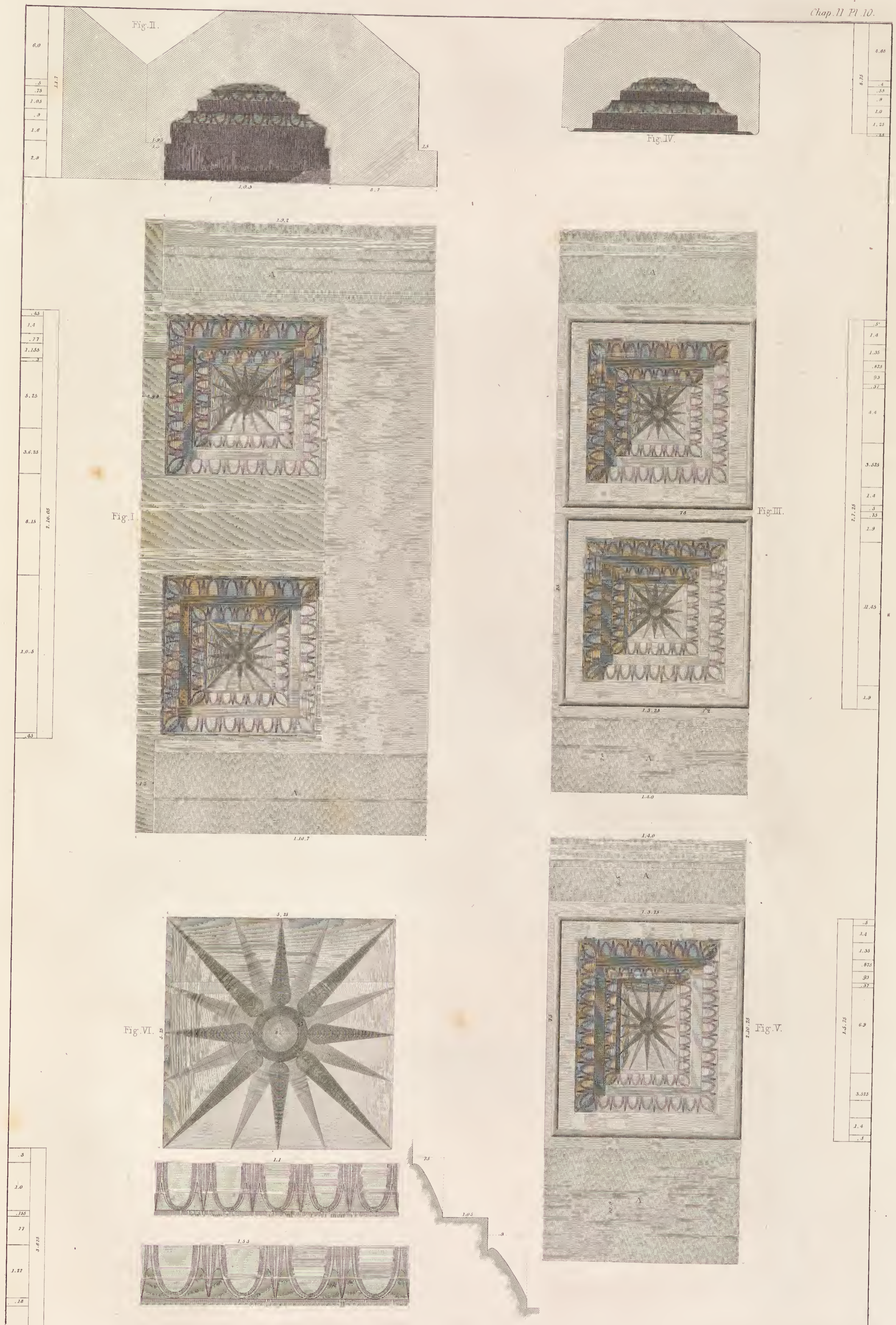


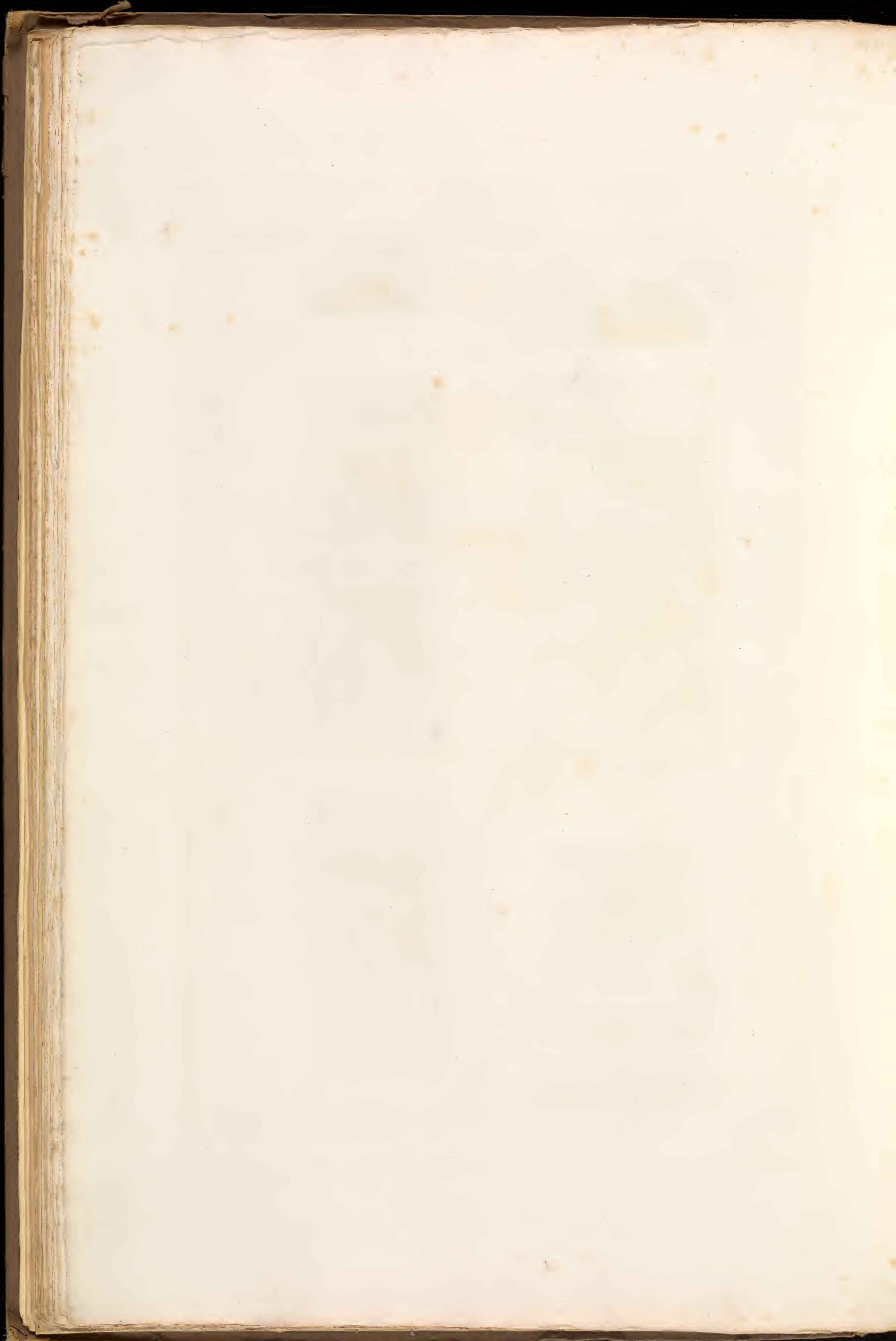


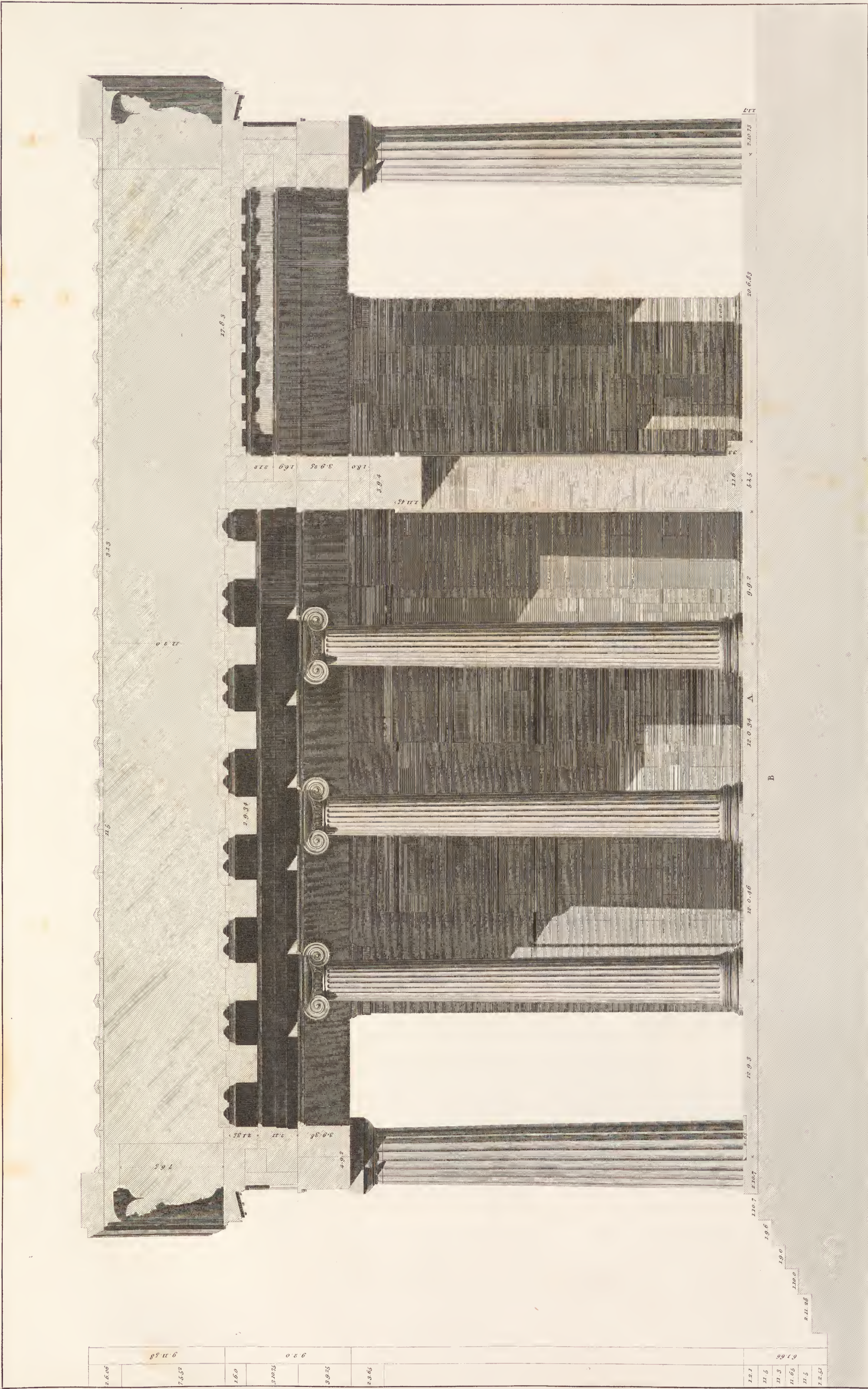






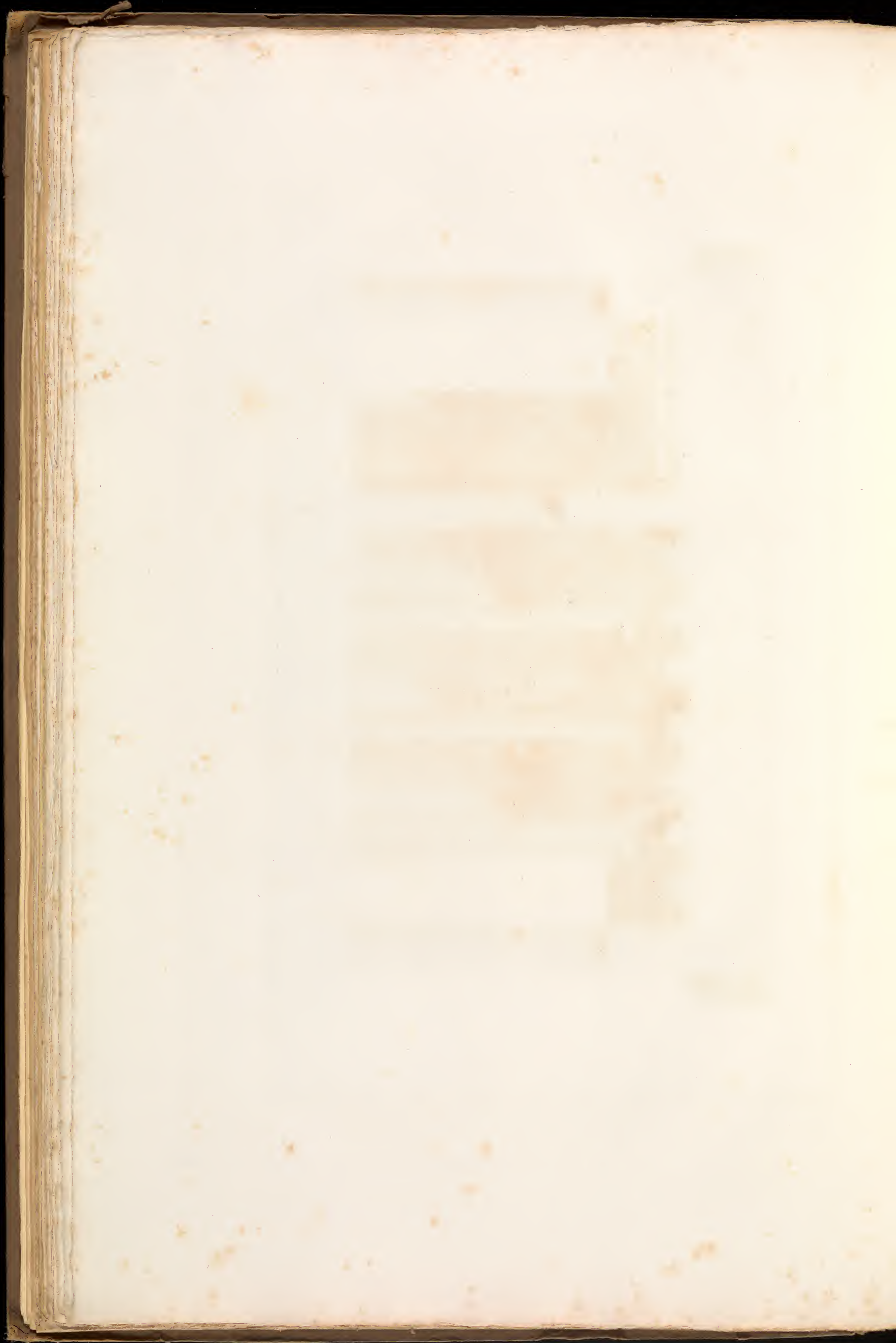


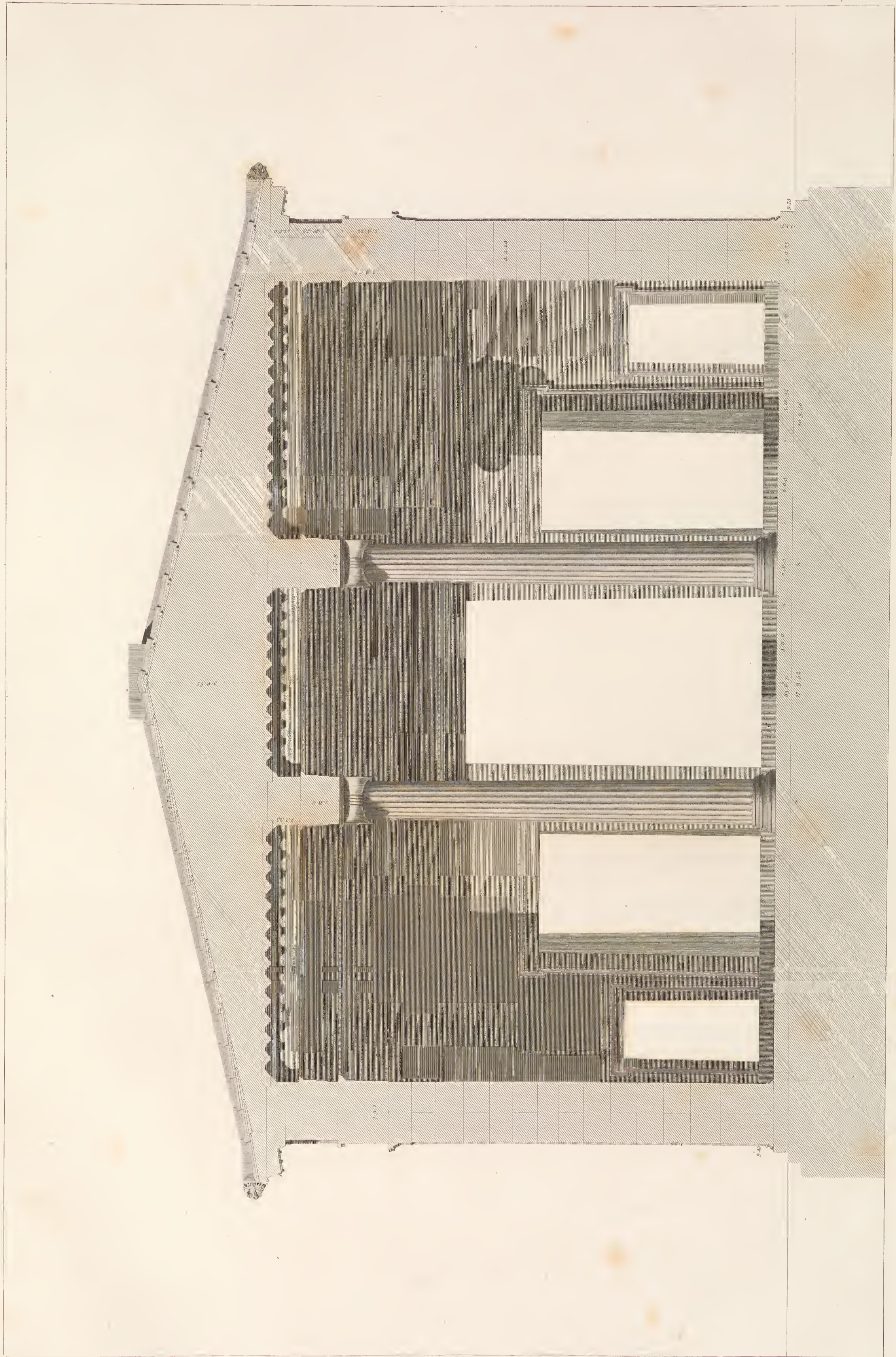


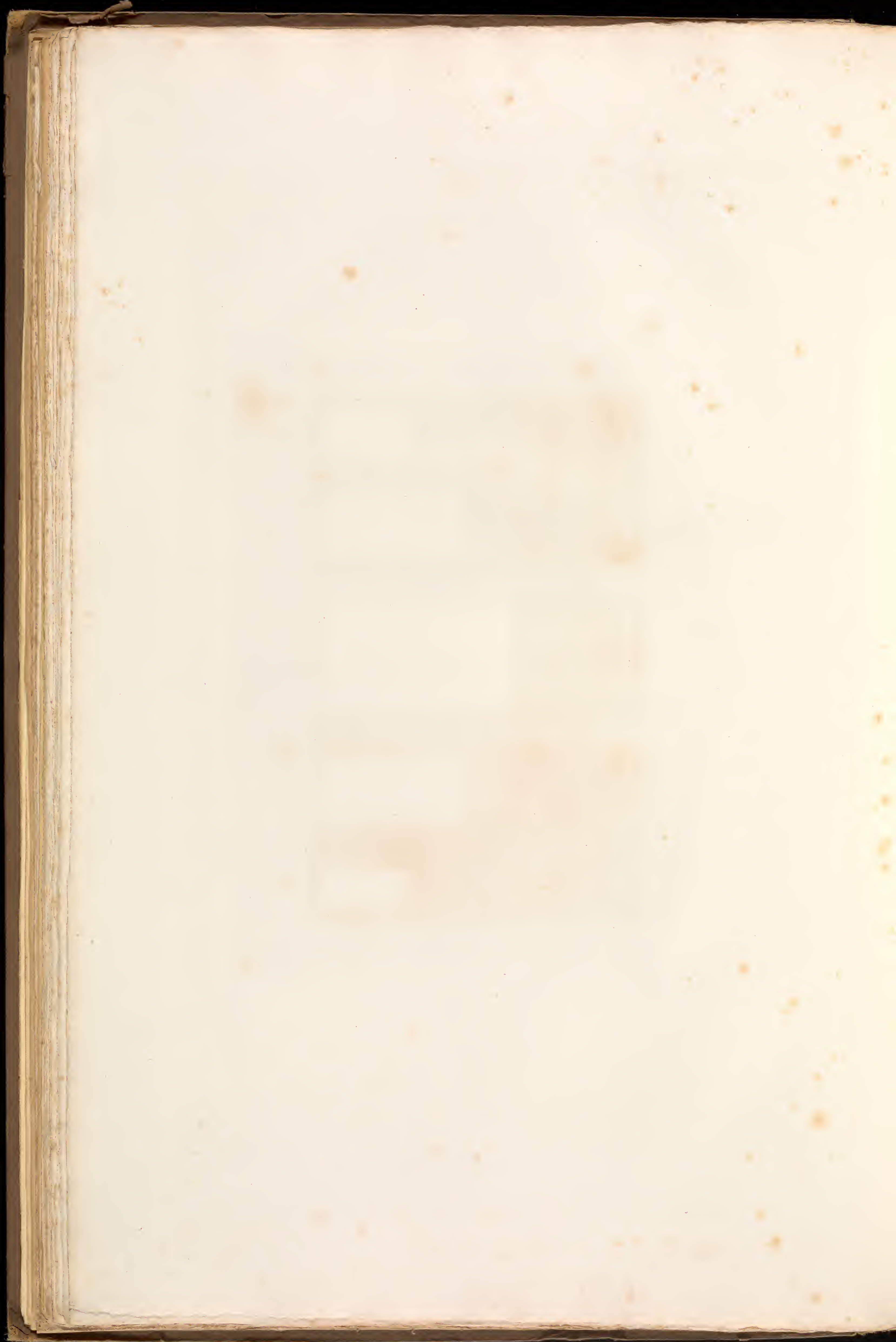


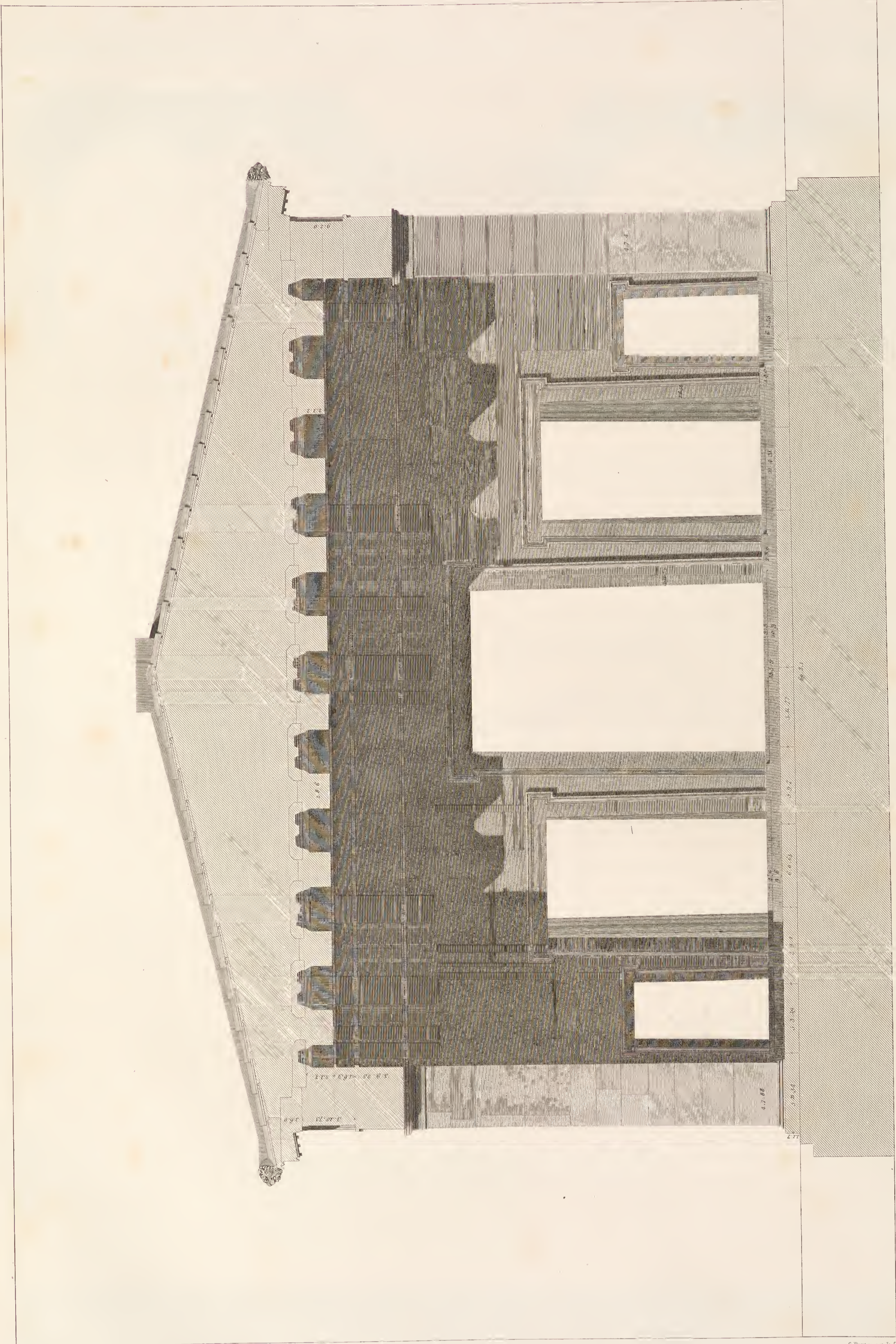
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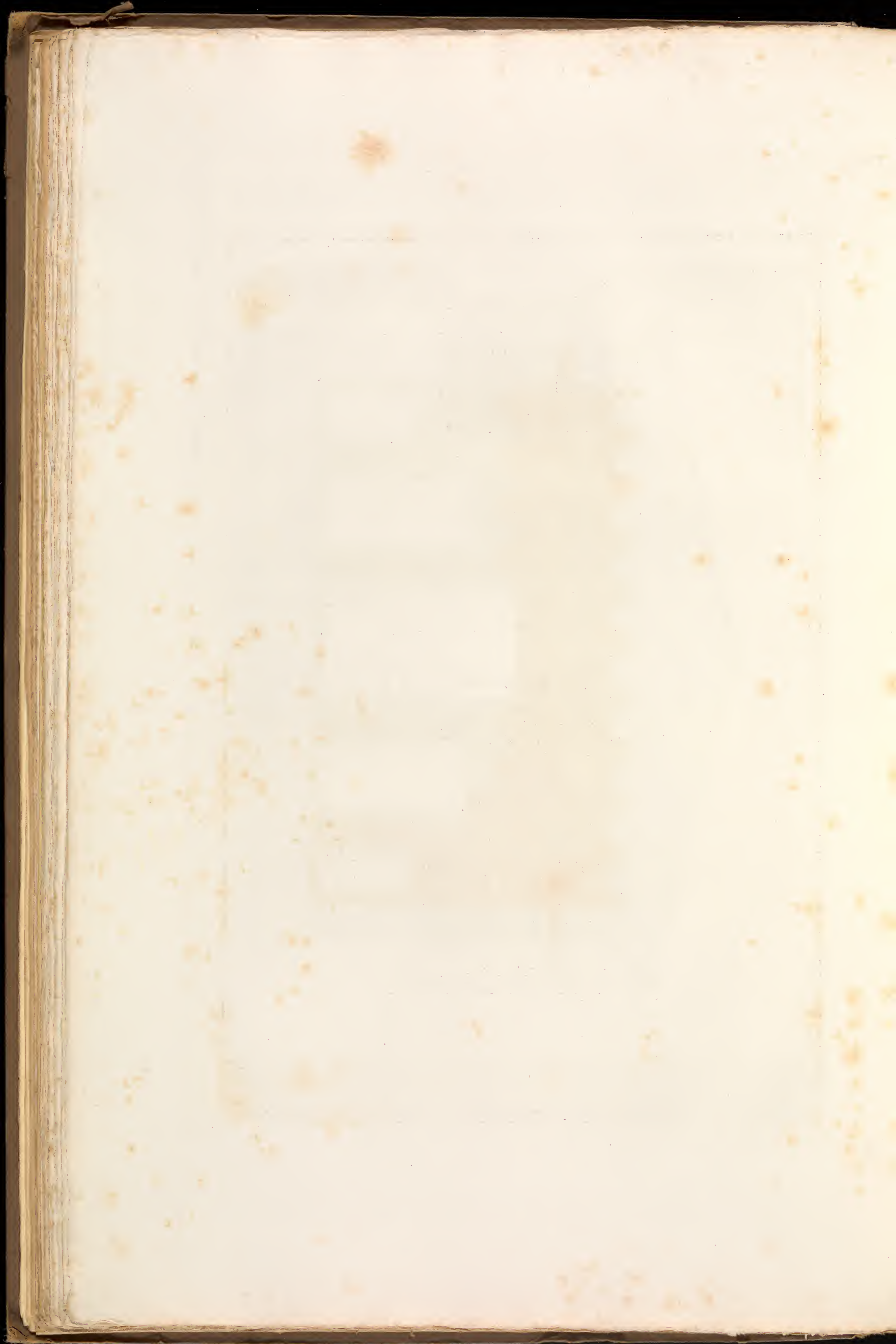




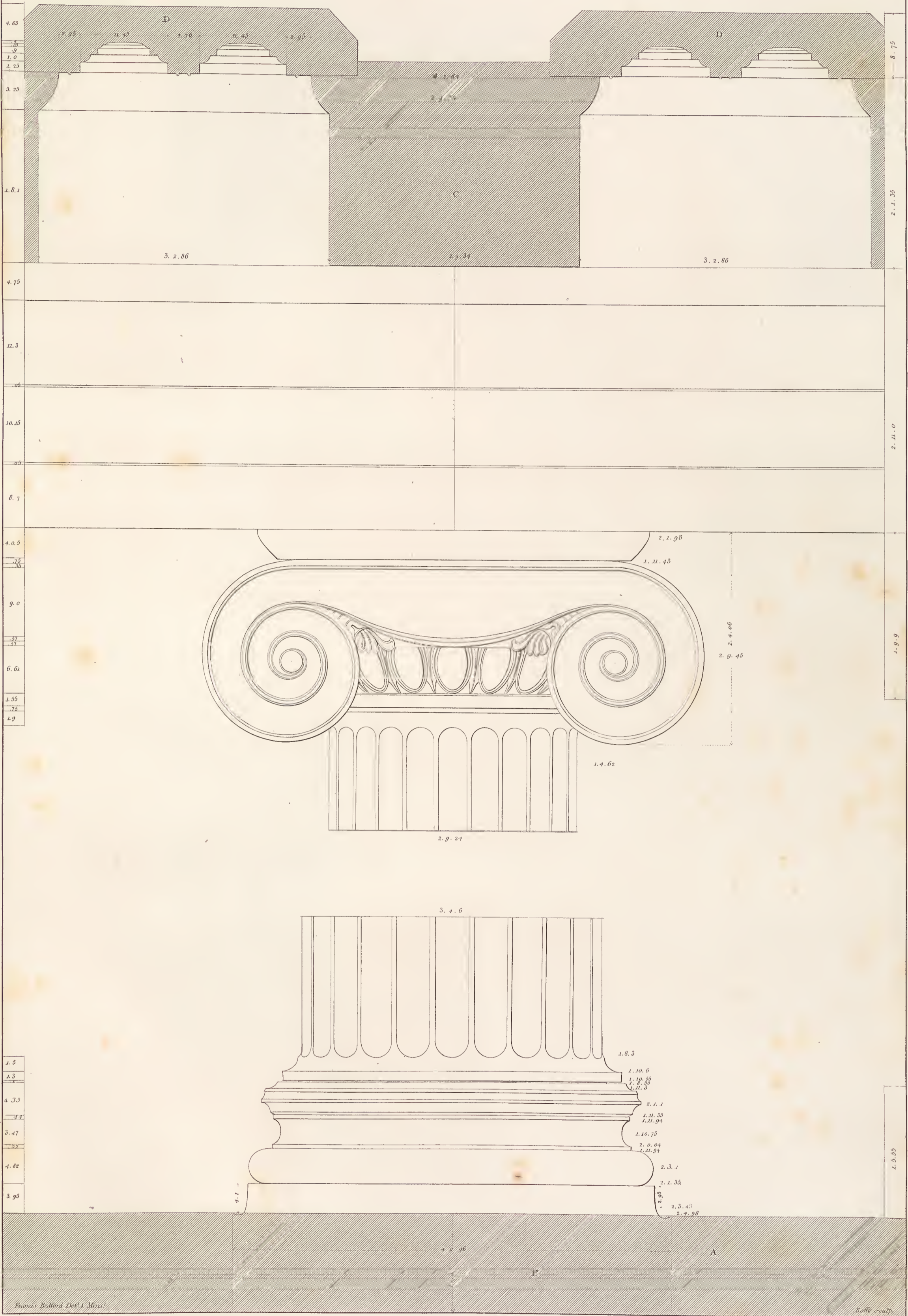


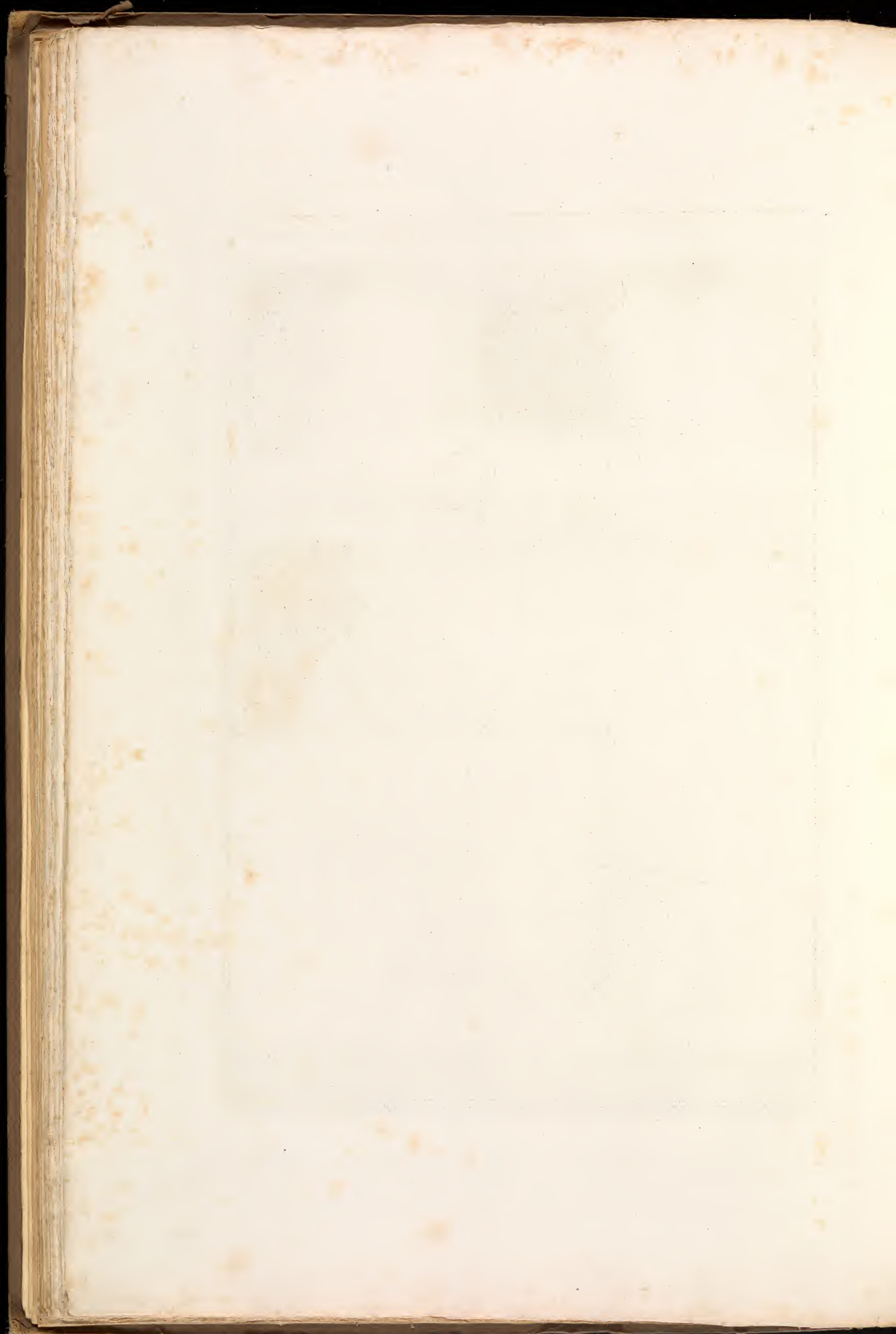
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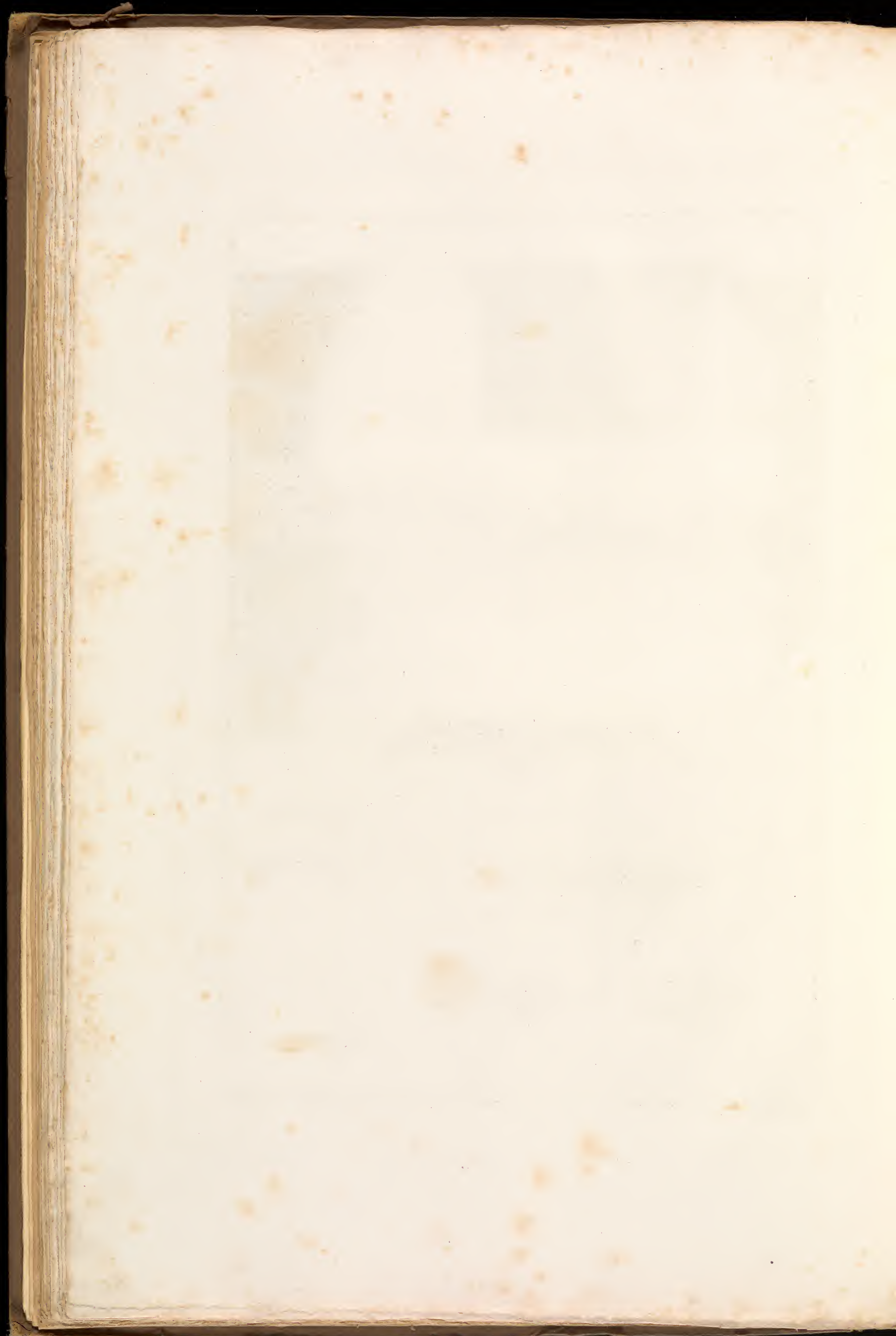


Fig. 2.

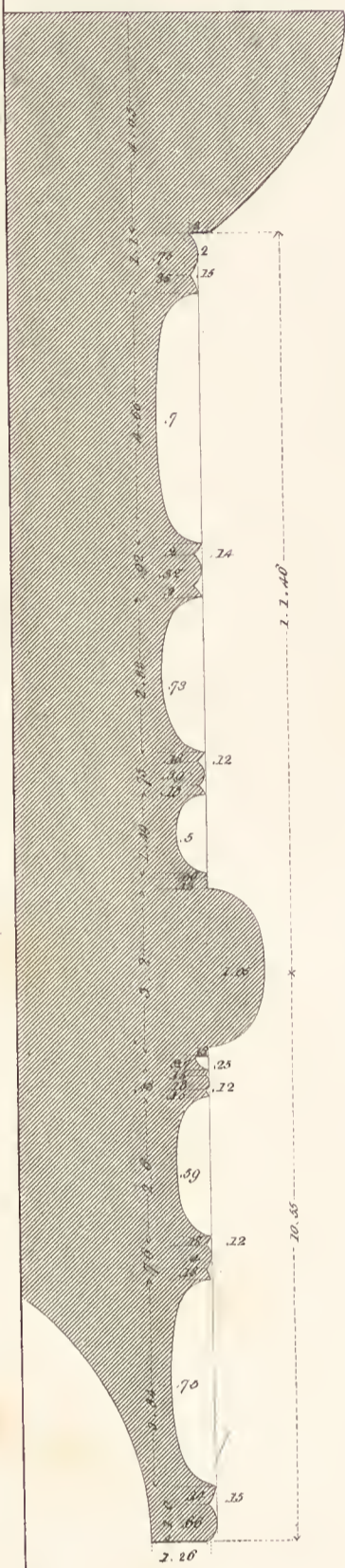


Fig. 1.

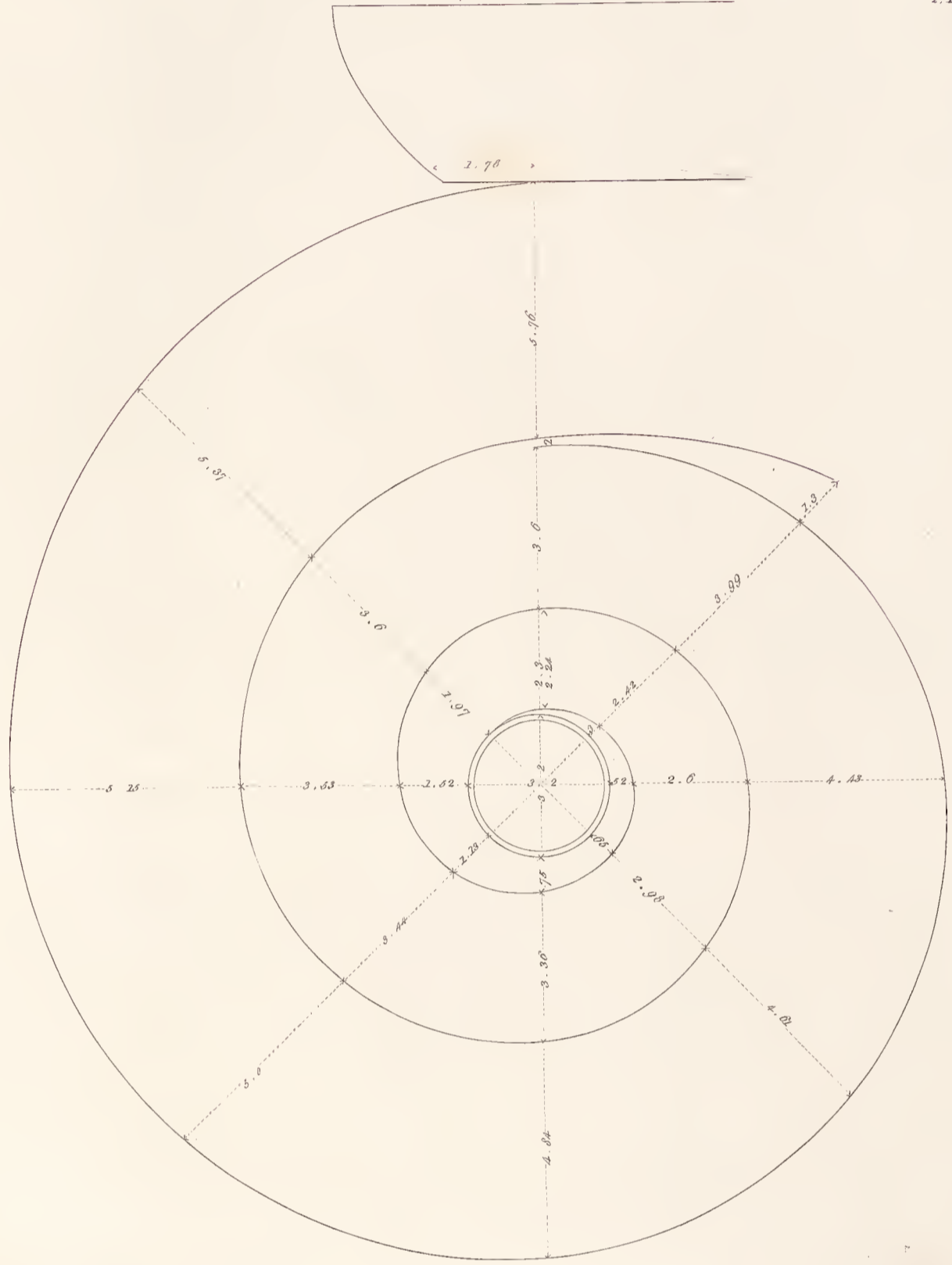


Fig. 4.

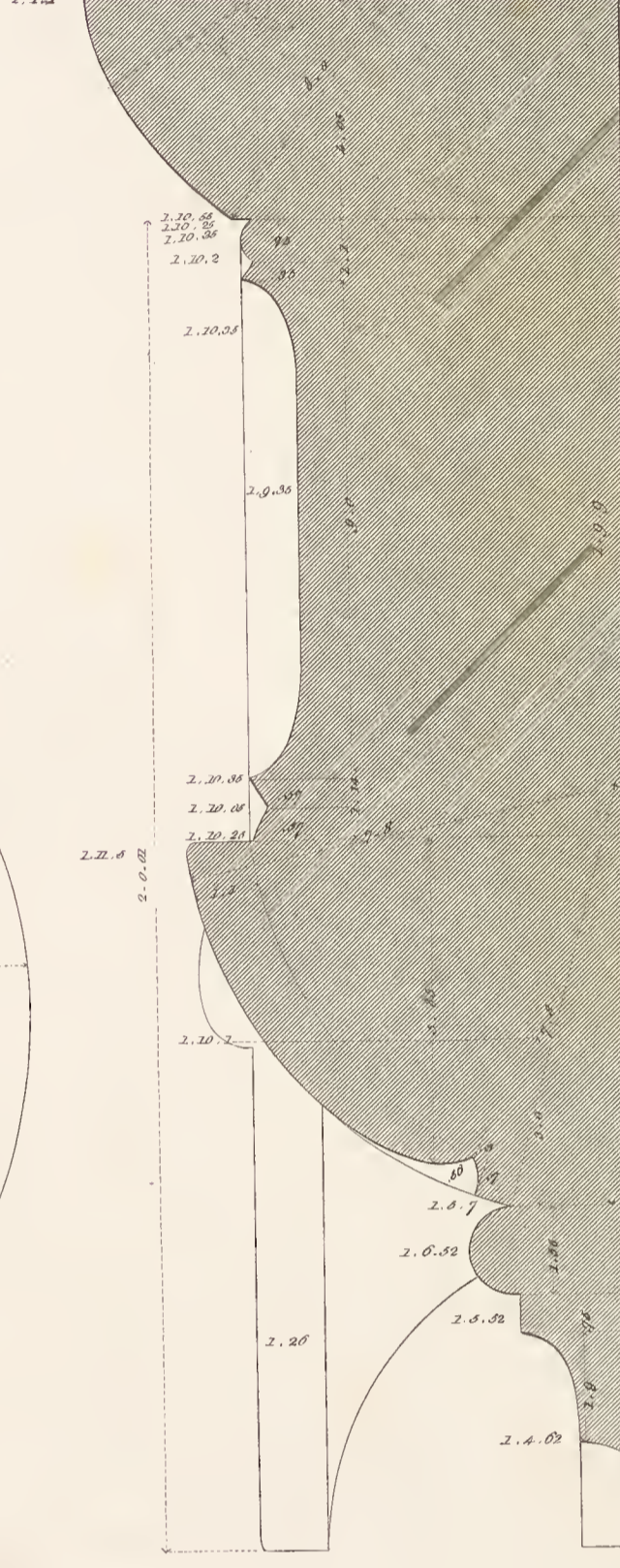


Fig. 3.

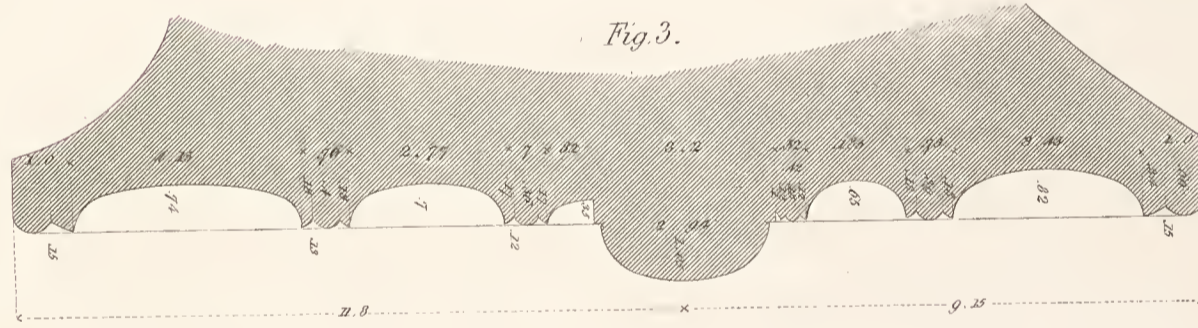


Fig. 5.



Fig. 6.

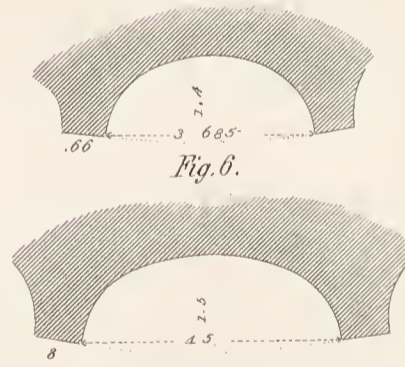


Fig. 7.



Fig. 8.

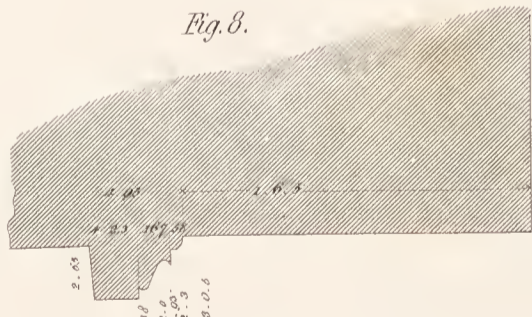
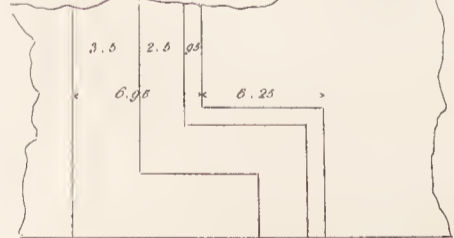
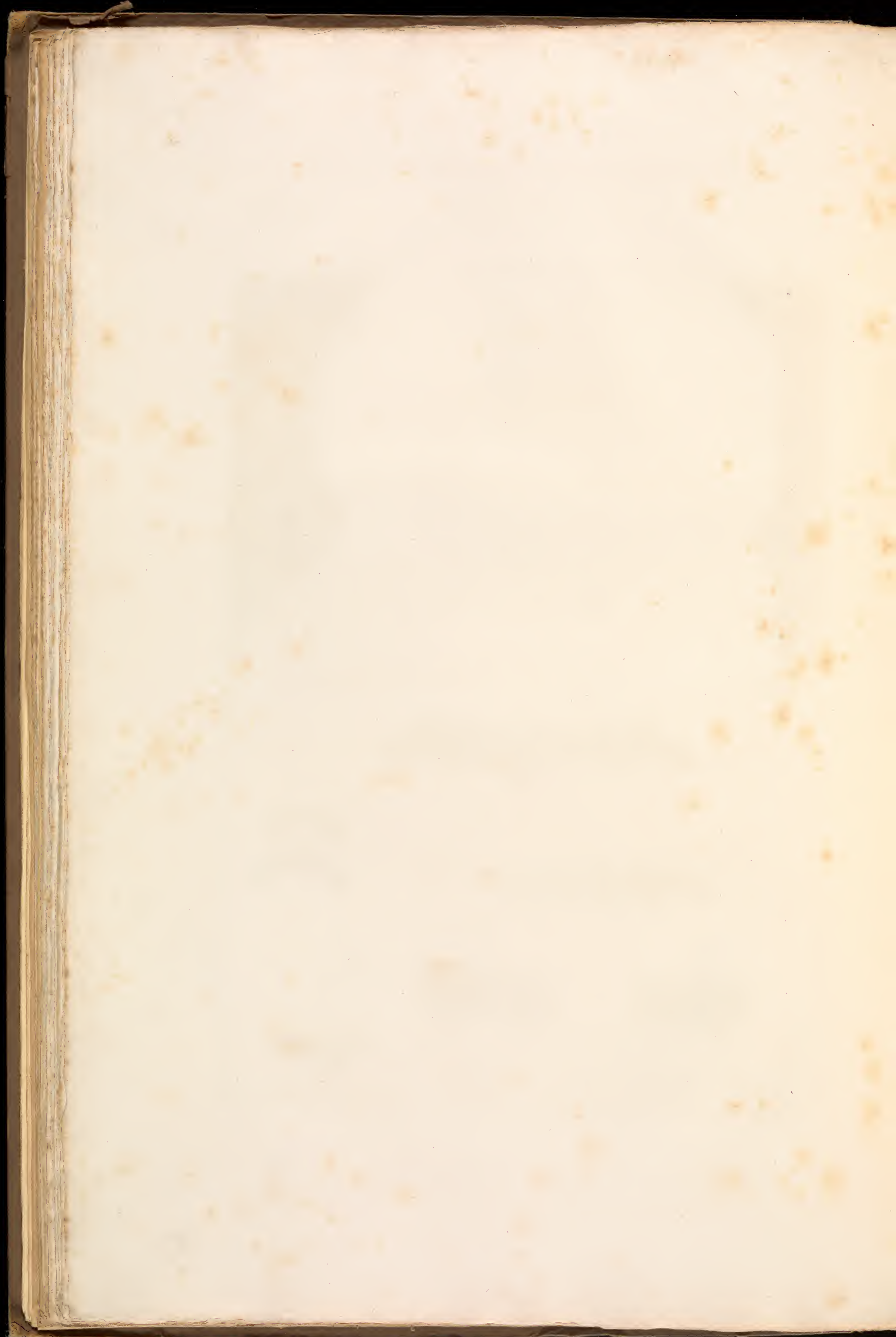


Fig. 9.





## CHAPTER III.

## THE INNER VESTIBULES.

THE most singular of all the buildings at Eleusis is the gateway affording access to the interior peribolus of the great temple. The pavement of this building remains nearly perfect; a portion of it was an inclined plane, and from the circumstance of grooves having been worked in it, which were considerably worn by wheels or trucks, the artists of the mission conjectured that there must have been originally another approach to the outer peribolus, for the purpose of admitting carriages; the traces of whose wheels they imagined they had discovered in the pavement of this building.

There are, however, two objections to this supposition, one of which appears unanswerable. In the first place, no traces of another entrance could be discovered, and in the second, the level pavement and the two steps in the front of the building are perfectly smooth: that portion of the floor extending from the columns to the door-jambes, sloping from the door-way towards the level pavement, alone was grooved and worn by the action of wheels. From this circumstance, it must be evident that the machine, the action of whose wheels is thus exhibited, had a limited movement over the area thus prepared for it.

When we reflect upon the nature of the Eleusinian mysteries, such as the notices afforded by ancient writers describe them, and the ordeals the initiated, as they relate, were obliged to undergo, we are prepared to expect that some of the appalling circumstances practised upon the aspirants would present themselves at this entrance into the more sacred boundary.

The description of the ceremonies of initiation into the rites of Isis which were practised in Egypt, and from which those instituted at Eleusis took their rise,\* although related in a work of

\* " Les mystères de Cérès, suivant Lactance, sont presque semblables à ceux d'Isis; la Cérès attique est la même divinité que l'Isis égyptienne (Herodot. ii. 59.), et cette dernière étoit la seule en Egypte que, du tems d'Hérodote, eut eu des mystères. C'est donc de ces mystères d'Isis que l'on doit déduire en partie ceux de Cérès." Essai sur les Myst. d'Eleusis, p. 9.

fiction, yet compiled from ancient authorities, may afford some idea of the last trials which the candidates for initiation were ordained to encounter; and perhaps account for the peculiarities observable in the plan of the building we are now considering. The following extract from the work alluded to, describes the means to which the priesthood had recourse to instil terror into the minds of the mystæ.

“ Au-delà de ce fleuve, j'aperçus, sous une arcade, des marches qui se perdoient dans les ténèbres, et de chaque côté deux ballustrades de fer qui les accompagnoient. Je vis bien que c'étoit le chemin qu'il me falloit prendre. De crainte que la lumière affoiblie du bûcher ne cessât de m'éclairer, je rallumai ma lampe, que la raréfaction de l'air avoit éteinte, au milieu des flammes. Je me dépouillai de mes habits, que j'attachai sur ma tête avec ma ceinture, et je traversai la rivière à la nage, tenant toujours ma lampe à la main. Promptement rhabillé, je montai les marches de l'arcade, et me trouvai sur un palier de six pieds de long, et de trois de large. Le plancher étoit mobile; les murs d'airain servoient d'appui aux moyeux de deux grandes roues de même matière, l'une à droite, l'autre à gauche. La partie supérieure de ces roues étoit chargée de grosses chaînes. Je voyois sur ma tête, trois grandes concavités, ténébreuses, et devant moi, une porte couverte de l'ivoire le plus blanc; j'essayai plusieurs fois de l'ouvrir, mais vainement; j'étois fort embarrassé.

“ Enfin, j'aperçois au haut de la porte deux anneaux très-brillans. J'y porte les mains pour voir si, en les tirant, la porte s'ouvrira; c'étoit la dernière épreuve, mais la plus terrible. Au premier mouvement des anneaux, les roues tournèrent avec un bruit terrible: je croyois entendre les mugissemens des enfers, ou le fracas des mondes qui s'écrouloient. Frappé de terreur, je demeure immobile et glacé; bientôt je me sens vivement secoué par des oscillations du plancher qui s'élevoit, et un vent impétueux occasioné par la rapidité du mouvement des roues. Je rappelle toute ma fermeté; je m'attache fortement aux anneaux. Le bruit étoit toujours plus horrible. Je craignois que tout cet édifice dissous ne m'écrasât sous ses ruines. Enfin peu à peu le bruit s'appaisa: je sentis que je descendois; et lorsque la porte\* eut repris sa première position, les deux battans s'ouvrirent, et me découvrirent un lieu éclairé d'une immense quantité de lumières.

“ J'y arrivai au lever du soleil; j'aperçus le bœuf Apis à travers les barreaux de son étable, et je reconnus avec surprise que je sortois de dessous le piédestal de la triple statue d'Osiris, d'Isis, et d'Horus.”†

The building of which we are treating was a vestibule open in front; it is raised by two steps above the level of the area of the outer peribolus, and has a pavement formed of large blocks of marble. This pavement is perfectly smooth, and appears to have been very little worn.

\* Should not this have been le plancher? nothing having been previously said of any movement of the doors.

† Voyage d'Antenor, vol. iii. c. 11.

We have not been able to discover the authorities upon which this recital is founded. It is probably taken from the writings of some of the Fathers, who took many occasions to expose and ridicule the absurdity of Pagan rites.



In the transverse wall was a door-way affording access to the inner peribolus, having an advanced portal formed by two Corinthian columns, and their entablature. In the interval between the portal and the door-way the pavement is an inclined plane, in which grooves of considerable depth were worked. Within, beyond the door-way, the pavement is again level, and on each side of the entrance there are two long pedestals abutting against the transverse wall.

The doors must have been ponderous and massy: the holes sunk for the pivots upon which they turned, and the grooved quadrants in which the rollers moved, indicate their weight and importance. The fragments of a door or window-jamb, less in magnitude than that of the central opening, prove the prior existence of either the one or the other in the wall on each side of the portal; but as the pavement exhibits no corresponding traces of doors, and the blocks of marble below where the openings, had there been any, must necessarily have been, have every appearance of being the plinth, or footing, of walls erected upon them, it is evident that the apertures were high up in the building.

The action of a moveable floor, as it is described in the extract just quoted, might have been accomplished by means of trucks, made to traverse in the grooves of the pavement; for in passing to and fro upon an inclined plane it would necessarily rise and fall.

On each side of the passage within the door-way, short grooves, similar to those already described, remain, one on each side; together with two sinkings in the pavement like shallow troughs: these are nearly five inches in depth, and are very correctly worked. They are not all of equal length. The grooves extend about three feet from the inner front of the vestibule; they are four inches in depth at the edge of the step: this depth is preserved for a distance of two feet, whence it gradually diminished to the level of the pavement. They may be imagined to have been made for the movement of some machinery which on each side acted as counterpoises to the sliding floor in the approach.

In the first position of the moveable stage the counterpoises would be in contact with the transverse wall; it would advance as these were drawn inwardly towards the front of the steps, where the rollers of the counterpoises having now fallen into the channels prepared for them, the tendency of the moveable stage, acting upon an inclined plane, to recede would be counteracted.

In order to allow the rollers to sink into the channels, it is obvious that the truck or wheel must likewise subside nearly at the same time: the inclined groove received it before the rollers reached their rest. The use of the trucks moving for a time only in the grooves, seems to have been to give the counterpoises their proper direction on their first movement towards the transverse wall; and to prevent that kind of impediment we sometimes experience in returning a drawer to its place. As soon as the rollers, by some slight effort made from within, had overcome the

impediment to their motion which the channels occasioned, the moveable stage, descending by the force of gravity, would draw the counterpoises up to the transverse wall.

The machinery of this stage-trick may have been extremely simple, and appears to have been fixed against the transverse walls where we find preparation made for the stone-work upon which it depended. Eight plug-holes of very unusual size, four on each side, remain in the marble blocks which are here raised above the general level of the pavement.

The lesser mysteries which were celebrated at Athens on the banks of the Ilissus, related probably to the minor ordeals: the last and most solemn part of the probation was reserved to be undergone at Eleusis. The multitudes who had gone through the preparatory rites were perhaps admitted into the first inclosure, and made to pass one by one through this mystic porch into the inner peribolus. When all the aspirants had passed the last trial, the doors of the temple were opened, and the mysteries revealed to them by means of allegorical representations, or, as some have supposed, by transparent pictures.\*

In pursuing the excavations within the area of the vestibule, the portions of several Ionic columns, with their capitals, were discovered. These may probably have been elevated upon a sort of podium along the interior face of the wall, and not far advanced before it, for the capitals are plain on one face, and the epistylia want the cymatium in one of their sides.

The colossal half length of Ceres, brought to England by Dr. Edward Clarke and now deposited in the public library at Cambridge, was found near the inner front of this building.

## PLATE I.

### PLAN OF THE VESTIBULE.

- A The level pavement of marble; it extended from the steps to the line of the two columns in front of the central door-way: it was continued along the flanks of the portal up to the line of the returned step H.
- B. The inclined pavement rising from the front of the columns towards the door-way, where it is sixteen inches above the level pavement. The grooves worked in it are much worn by the action of wheels or pulleys.
- C C. The holes in which the pivots of the great doors worked.
- D D. Quadrants sunk in the pavement, apparently for the rollers of the folding doors.

\* Mr. Christie, in his ingenious and learned illustration of the paintings of ancient vases, has given a probable account of the nature of the shews exhibited at the celebration of the Eleusinian mysteries. P. 28, *et seq.*

- E. A channel, sunk in the pavement, two inches deep at the edge of the step, and lessening gradually to the level of the floor A.: its use cannot be conjectured.
- FF. Troughs or channels sunk in the pavement five inches deep. Their section is elliptical, and they are worked with great precision.
- GG. Grooves four inches in depth: at the distance of two feet from the edge of the step they inclined upwards towards the level of the pavement.
- HH. A step or seat elevated nearly ten inches above the level of the pavement: it was continued along the walls, so far as their extent could be traced, and returned along the transverse wall.
- Fig. II. Transverse section through the building in the direction of the line K K.
- III. Section through the pavement of the inner peribolus before the interior front of the building.

## PLATE II.

## DETAILS OF THE BUILDING.

- Fig. I. Section from north to south, through the centre of the pavement.
- A. The level marble pavement.
- B. The inclined pavement, likewise of marble.
- C. A foundation of porous stone, extending over the whole area occupied by the vestibule.
- D. The raised seat along the flank walls.
- II. Base and part of the shaft belonging to the two columns in front of the portal.
- III. Plan of the flutings at the top and base of the shaft.
- IV. Section of the plinths, taken at the angle where they are in contact with the step on which they are raised.
- V. Fragment of the cornice belonging to the order of the portal.
- VI. Base of one of the long pedestals beyond the door-way.

## PLATE III.

## THE IONIC ORDER.

The other face of the capitals was unfinished, neither the volutes, echinus, or the lotus were carved. One face of the epistylia was likewise plain. The back of the cymatium of the cornice was channelled for the purpose of forming a gutter, and the lions heads in front were perforated.

On the supposition that the Ionic columns were originally placed along the interior face of the wall, and the return of the epistylum making a right angle, found within the area of the building, justifies the conjecture, they must have been elevated considerably above the level of the pavement; because otherwise, the columns of the portal being of greater diameter, and belonging to an order of architecture admitting a greater proportional height, must have overtopped them.

## PLATE IV.

## DETAILS OF THE ORDER.

- Fig. I. Flank of the capital and section through the architrave, of the Ionic order.  
 II. Section through the centre of the capital, made by a plane parallel to the face.  
 III. Section through the centre, made by a plane passing through the capital vertically.  
 IV. Plan of the shaft of the columns below the volutes.  
 V. Contour of the volute.  
 VI. Section through the upper moldings of the cornice.

## PLATE V.

## ORDER OF THE ANTÆ.

- Fig. I. Base and capital of the antæ so far as they admitted of restoration.  
 II. Plan of the upper surface of the abacus.  
 III. Profile of the abacus.  
 IV. Astragal of the shaft at large.

## PLATE VI.

## CAPITAL OF THE ANTÆ AT LARGE.

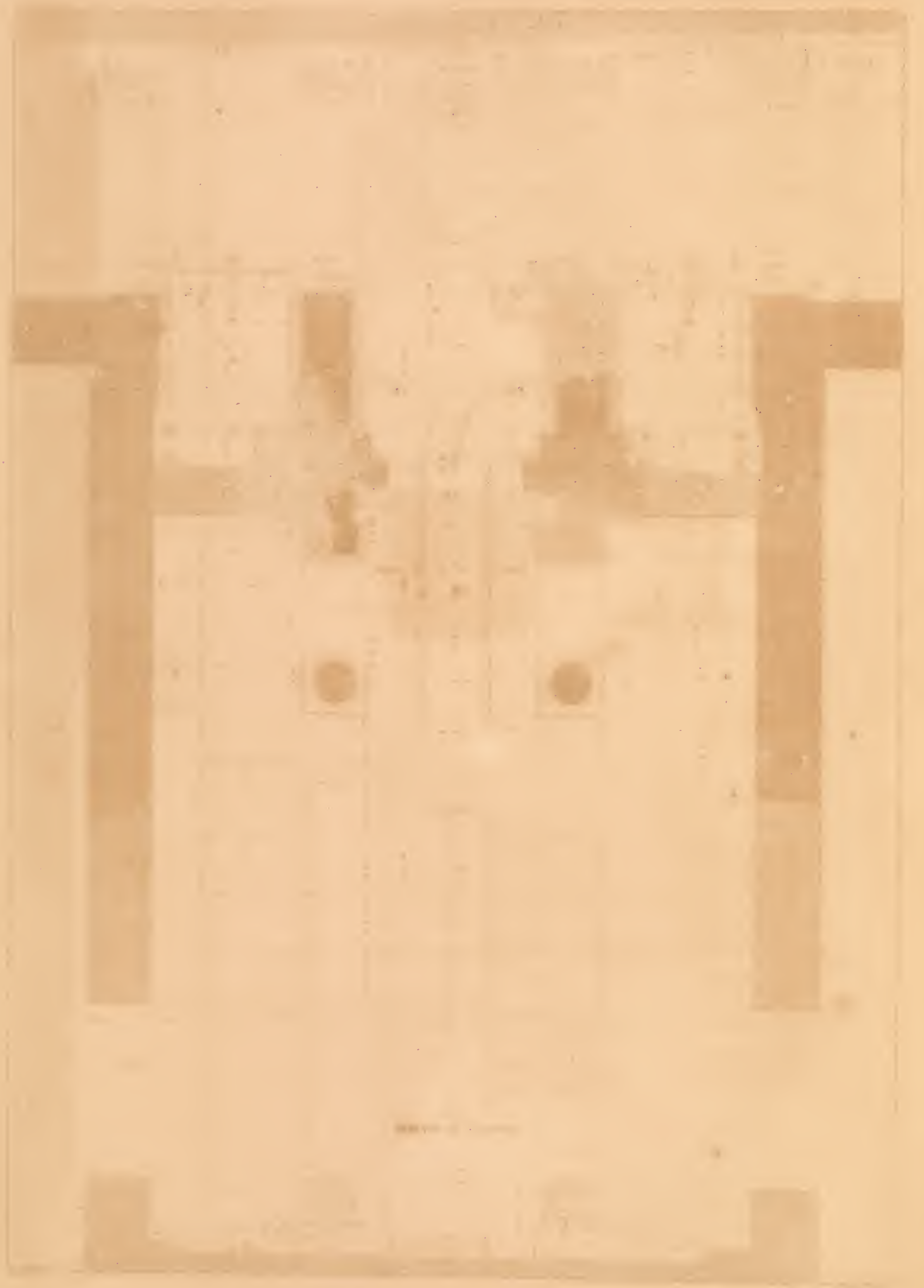
## PLATE VII.

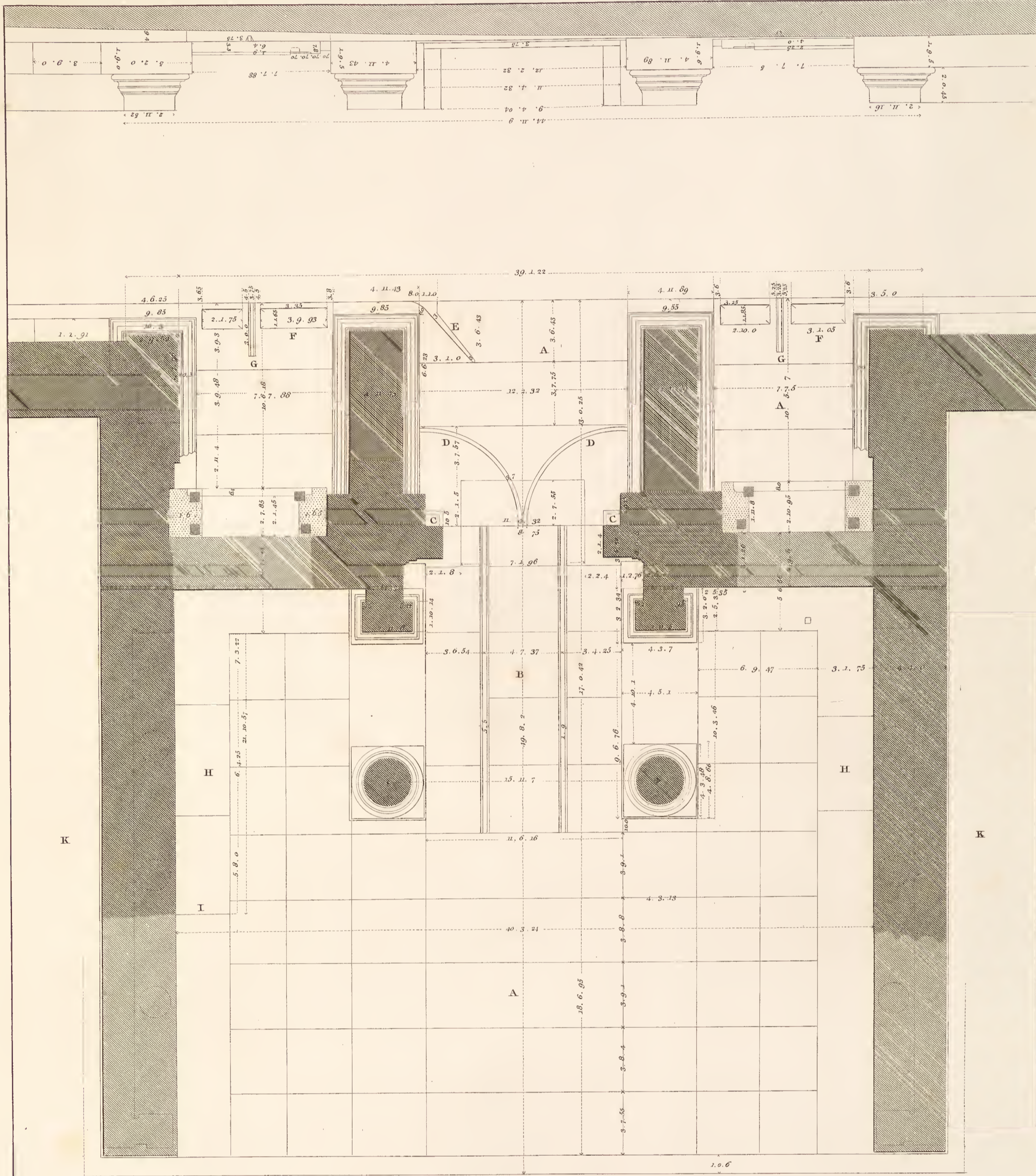
## FLANK OF THE CAPITAL BELONGING TO THE ANTÆ AT LARGE.

## PLATE VIII.

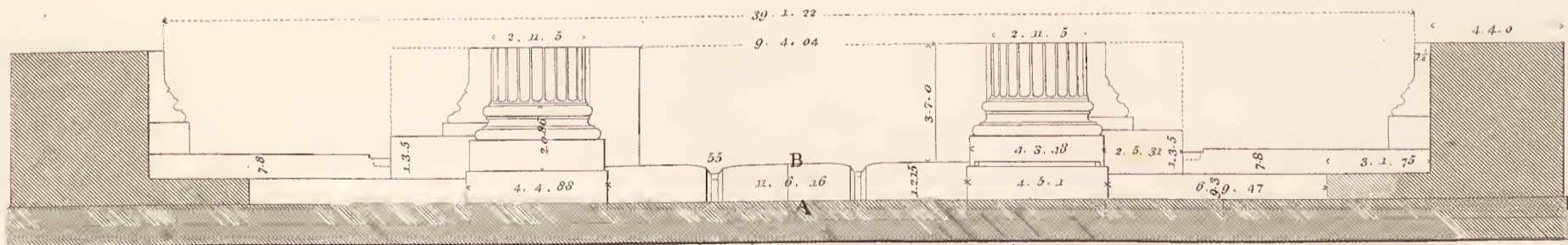
## DETAILS OF THE BUILDING.

- Fig. I. Pannels of the lacunaria, of which numerous fragments were discovered. The star-like figure in the centre of each pannel was probably painted; the outline, cut in the surface of the marble, alone remains.
- II. Section through the pannels of the lacunaria.
- III. IV. Sections through the marble beams of the lacunaria; these probably belonged to the portal.
- V. Plan of the jambs of the door-way.
- VI. Plan of the jambs of the lesser apertures in the transverse wall on the right and left of the door-way.
- VII. Section through the hyperthyrum of the lesser apertures.
- VIII. Section through the hyperthyrum of the door-way.



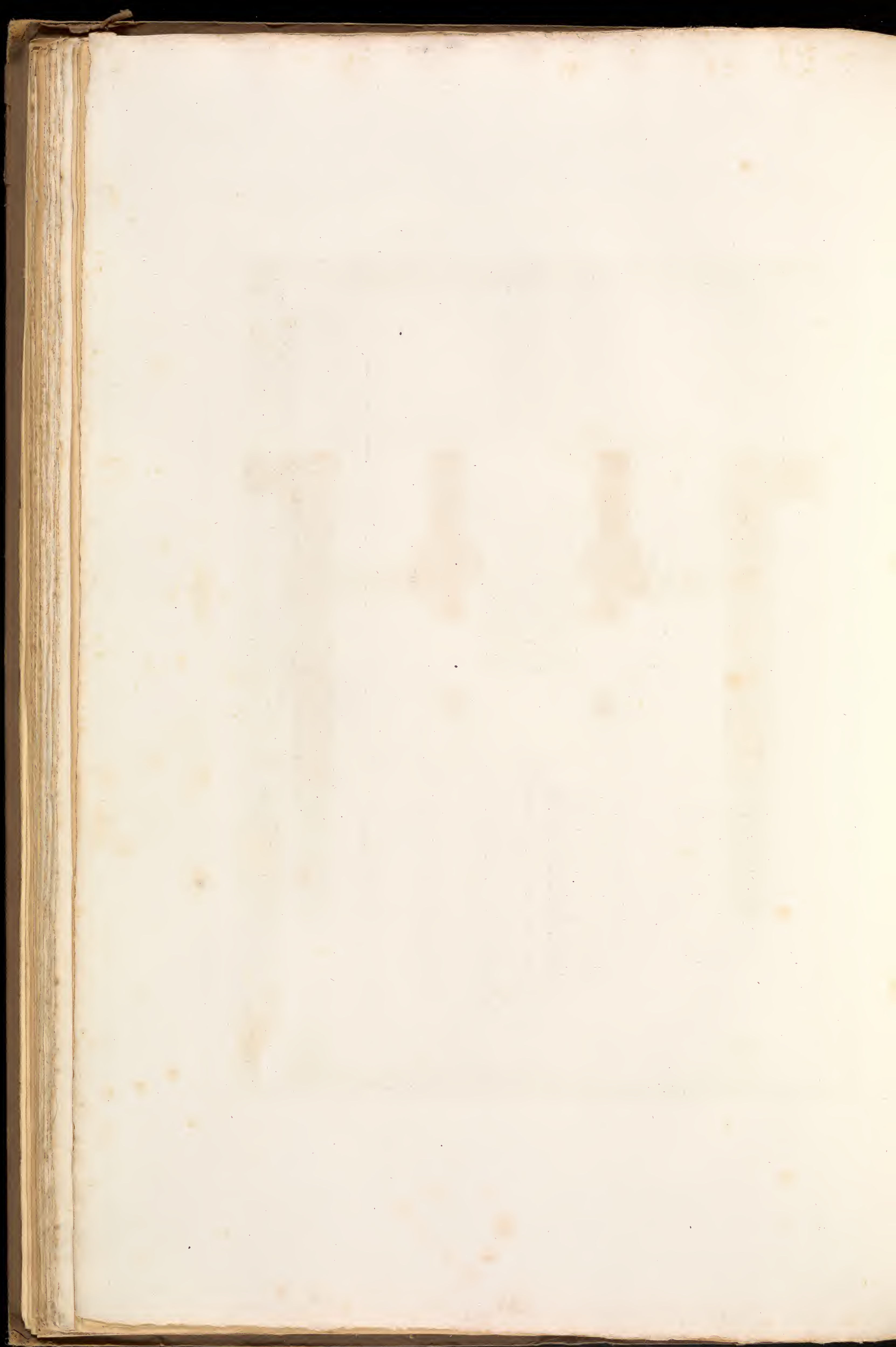


Section in the line K.K.



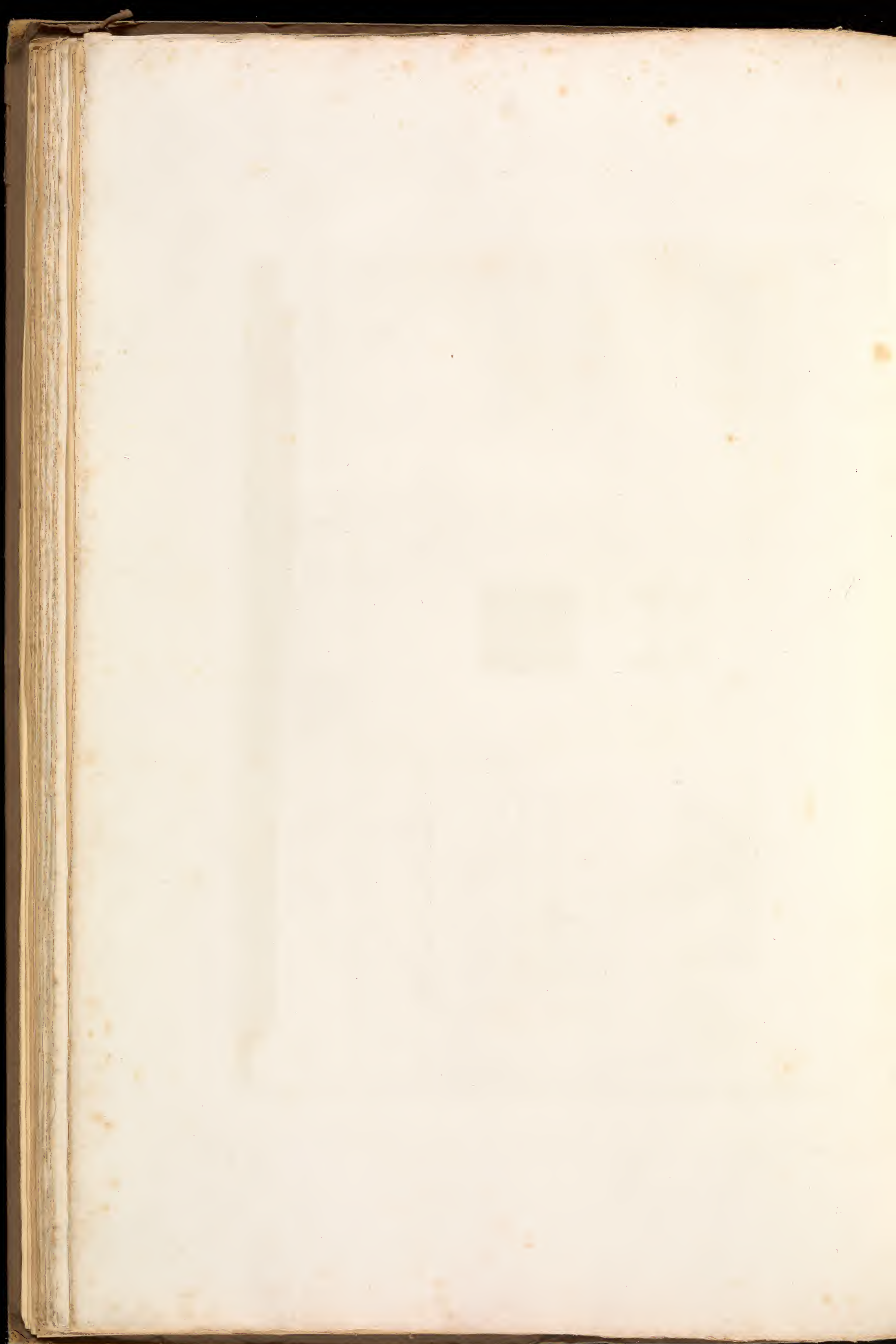
Francis Bedford del.

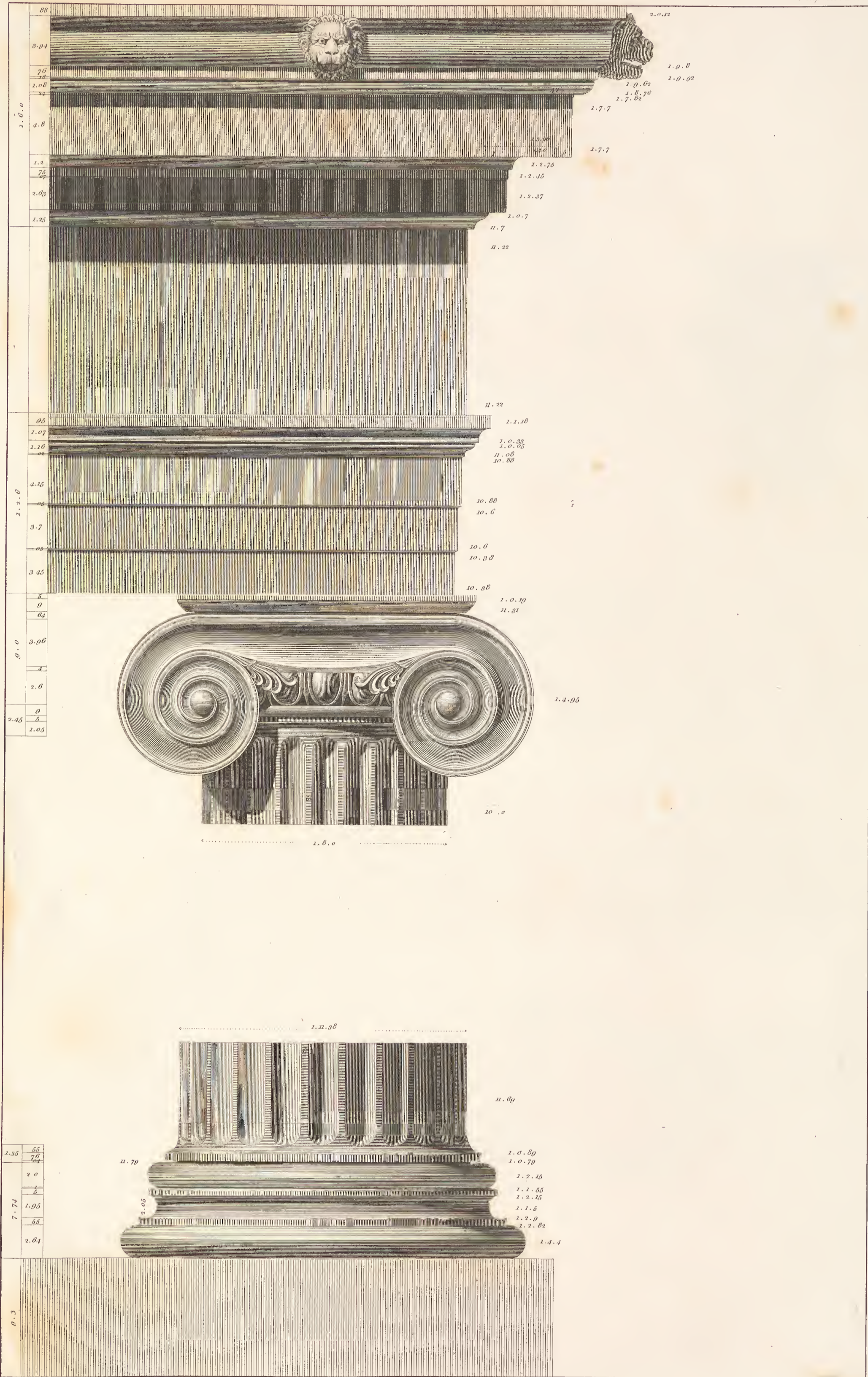
J. Hill sculp.

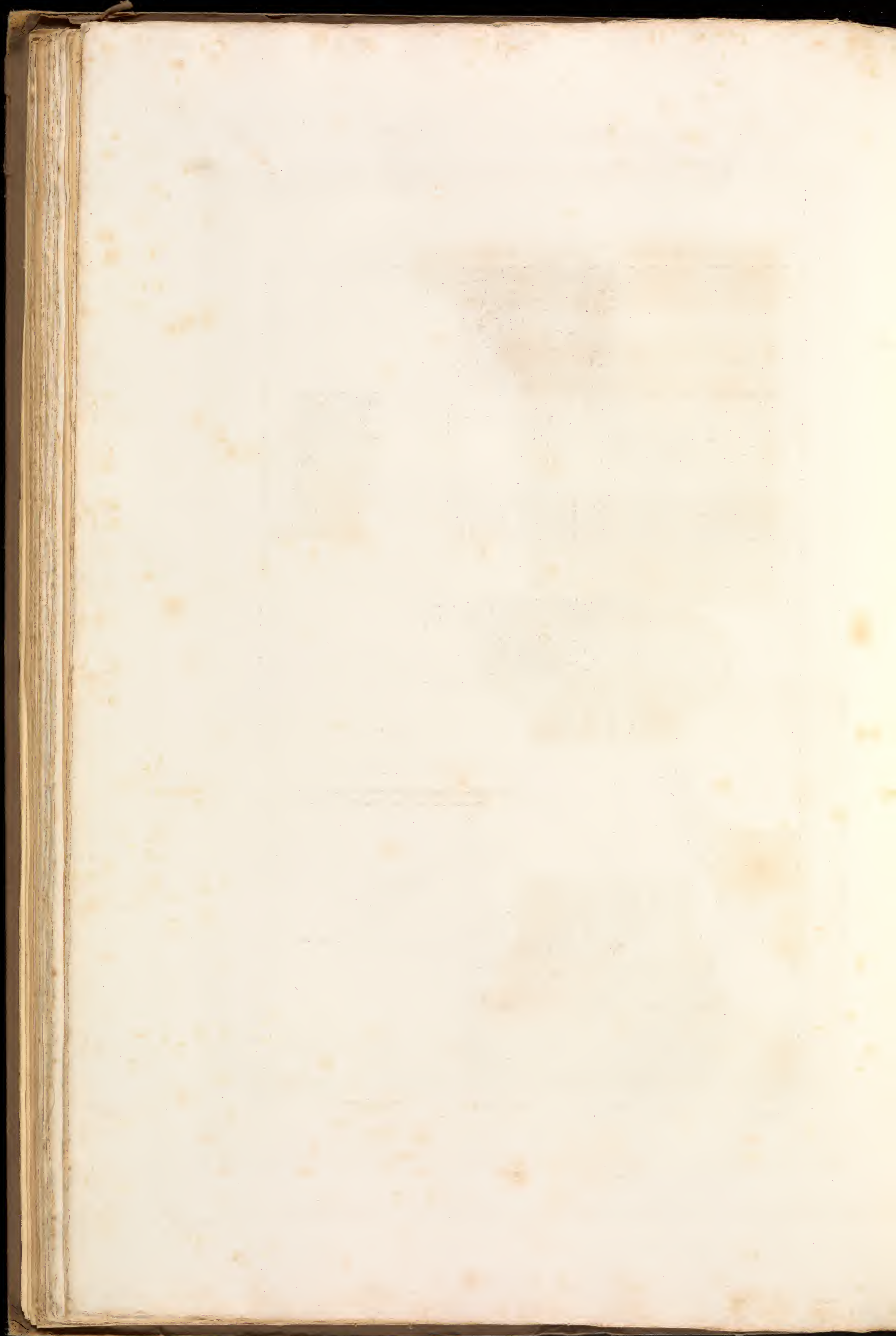


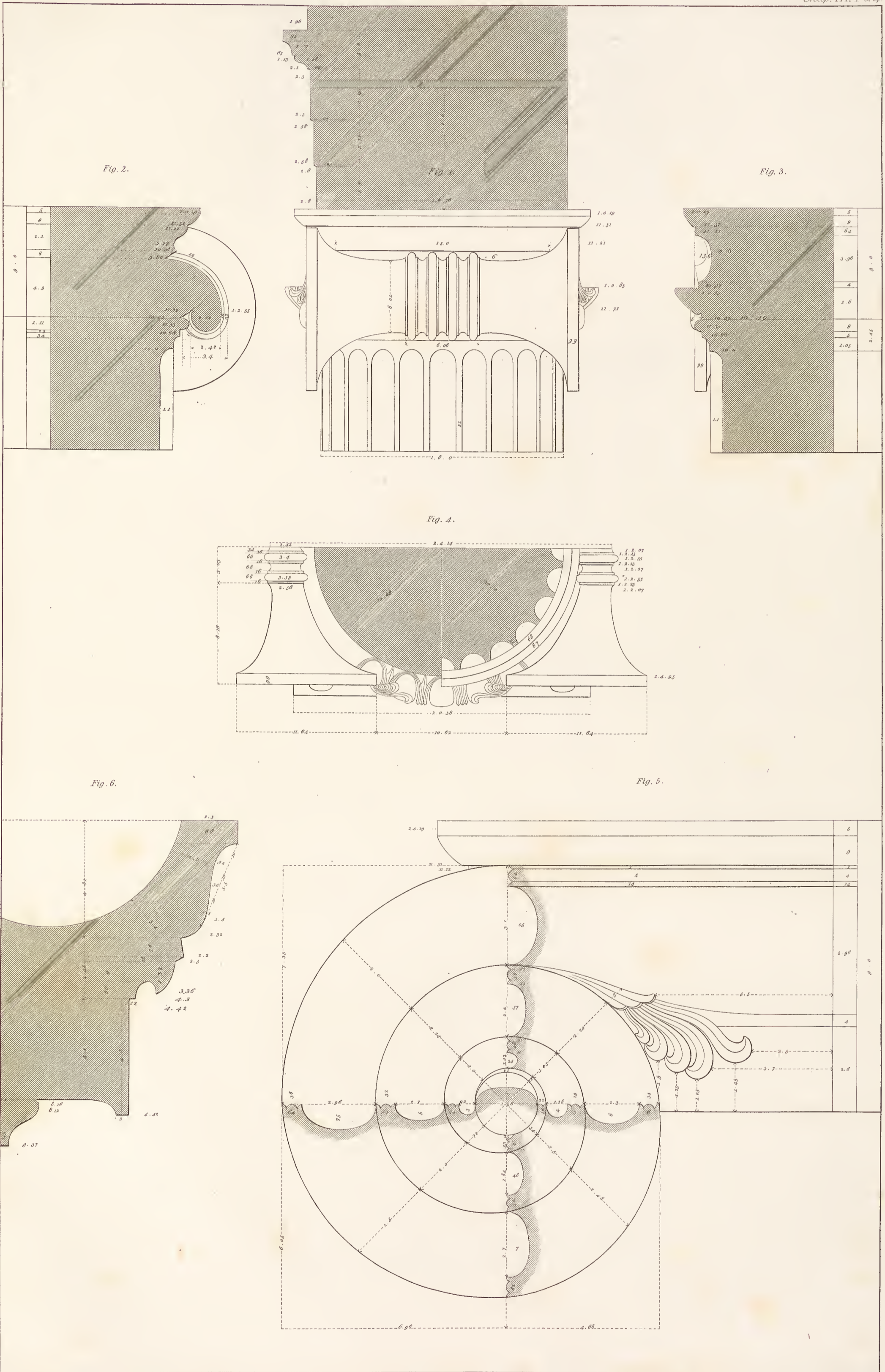


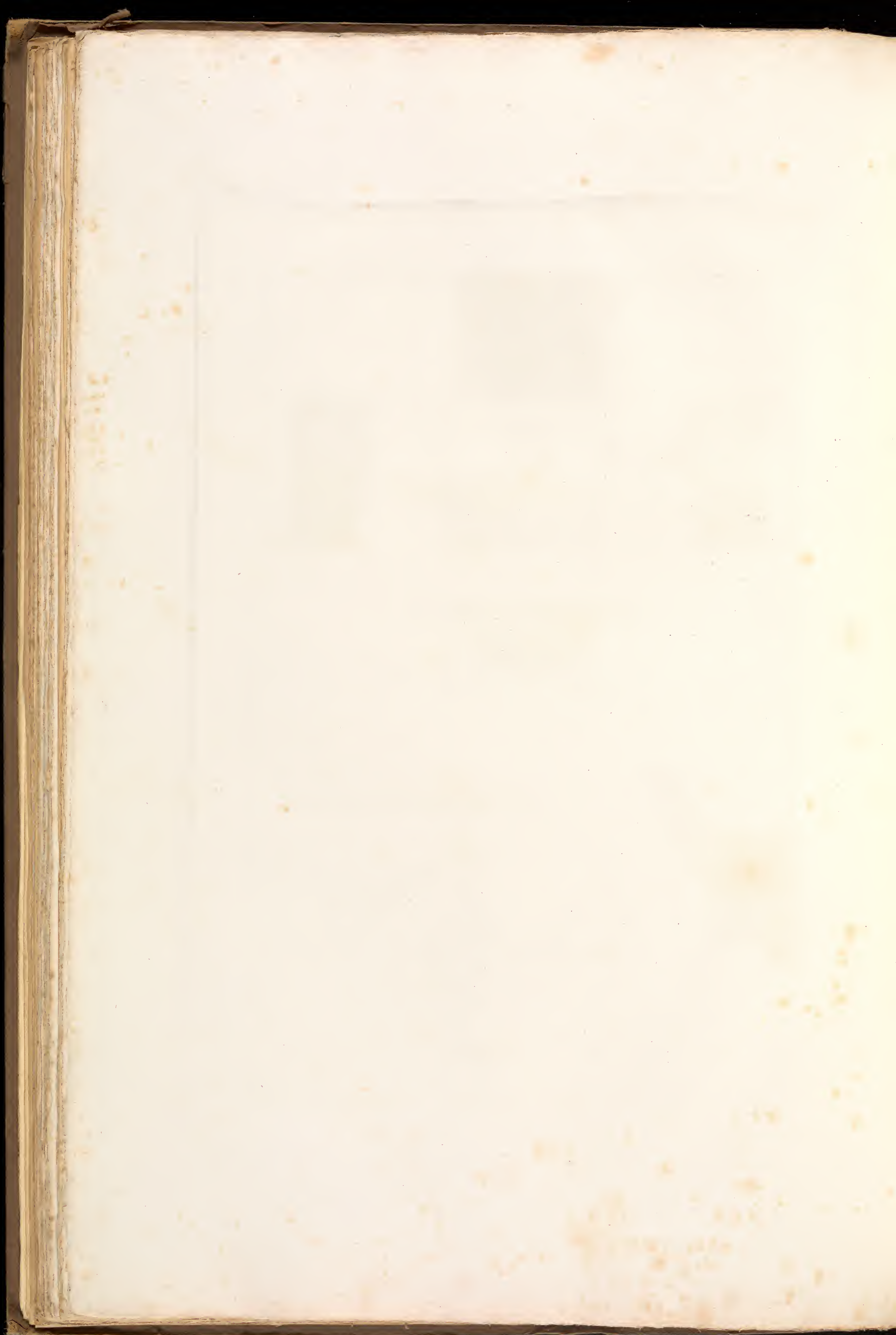




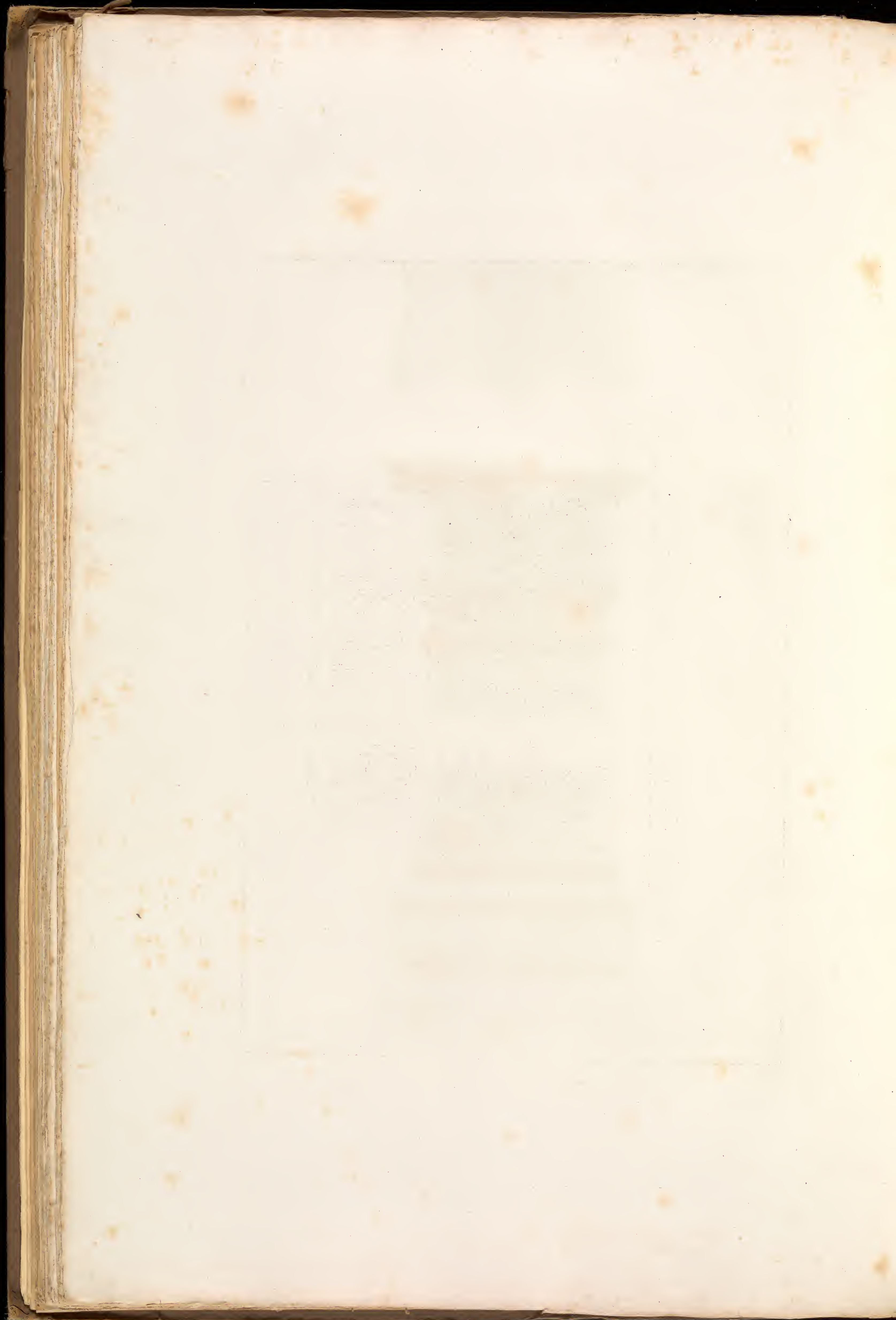




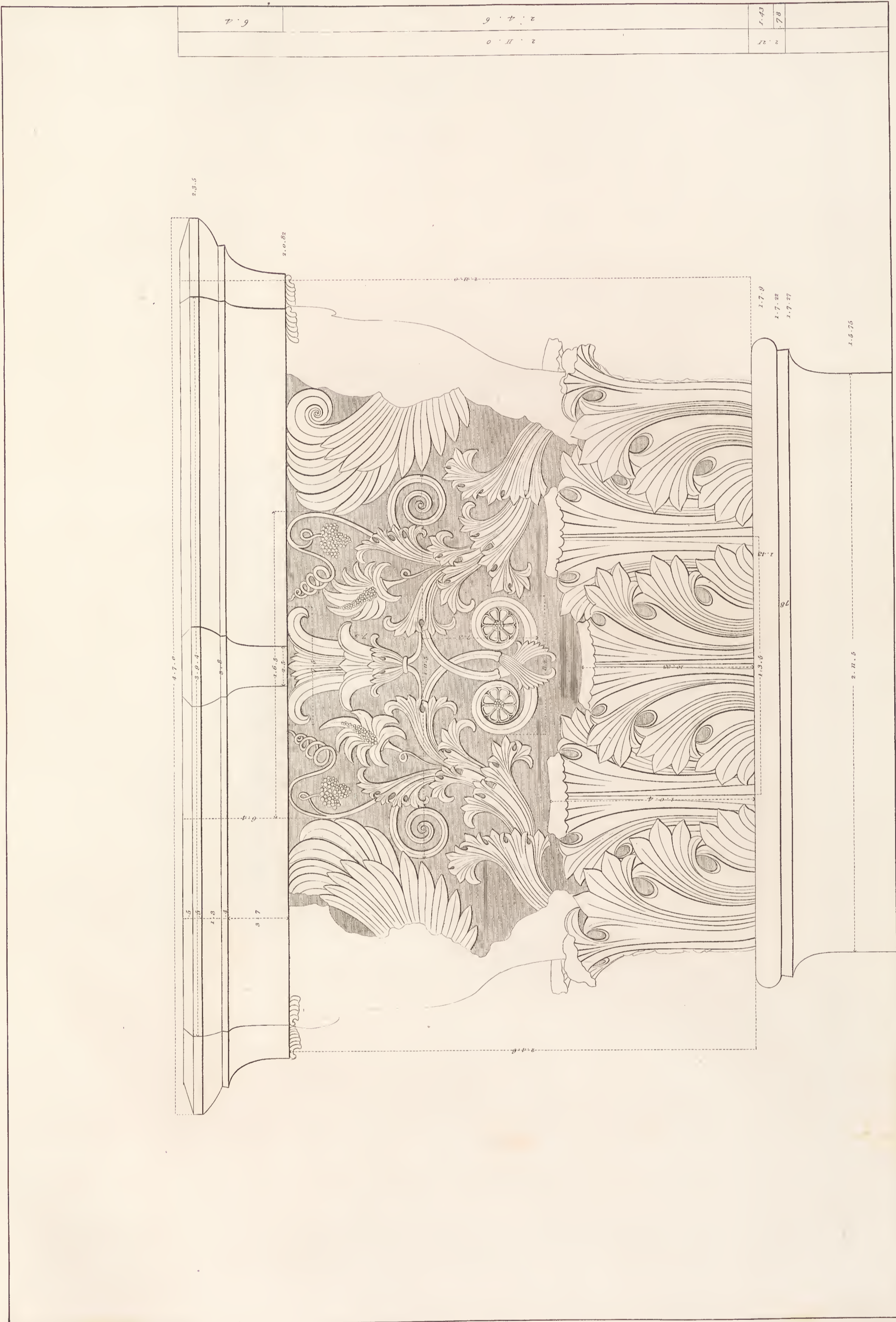


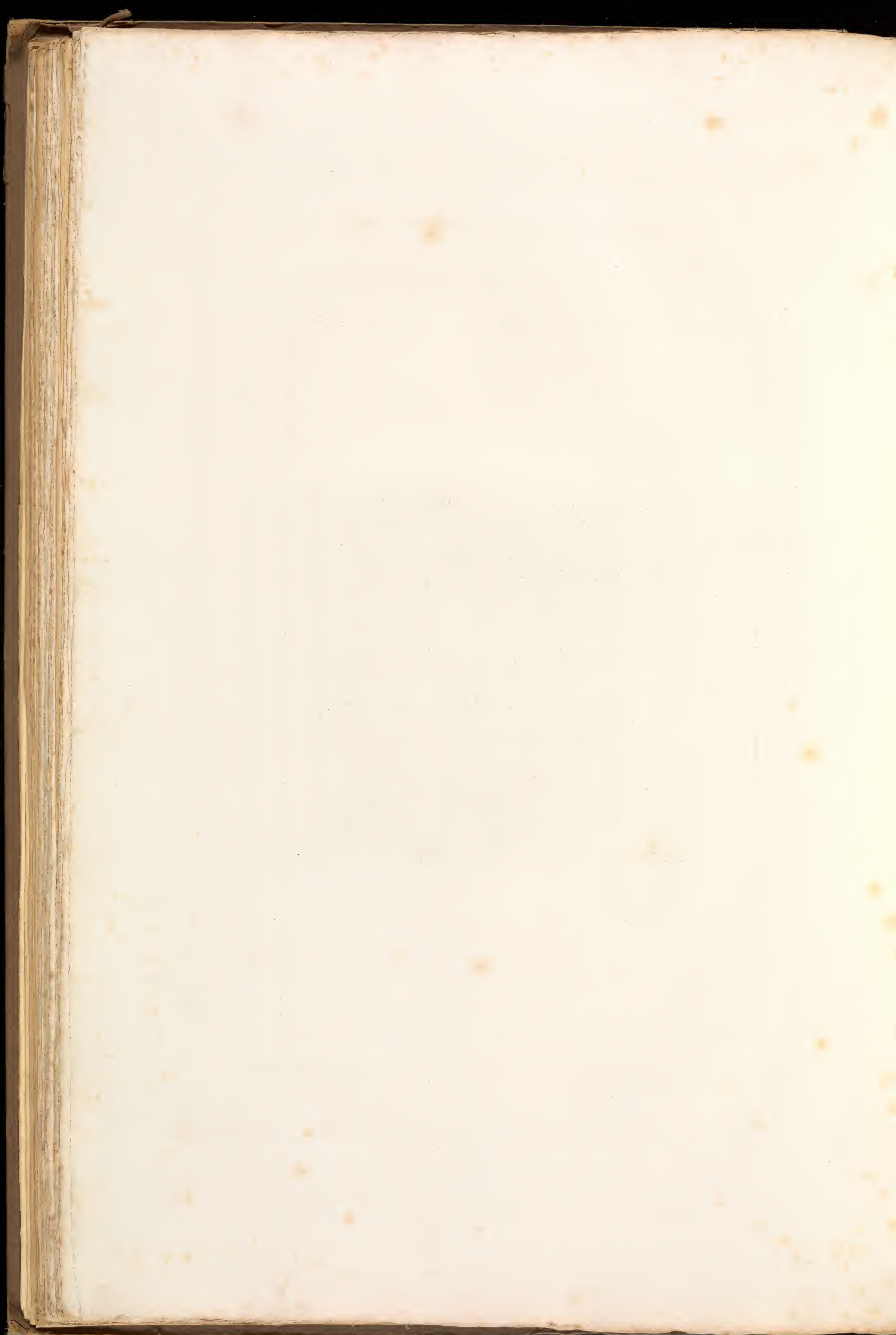




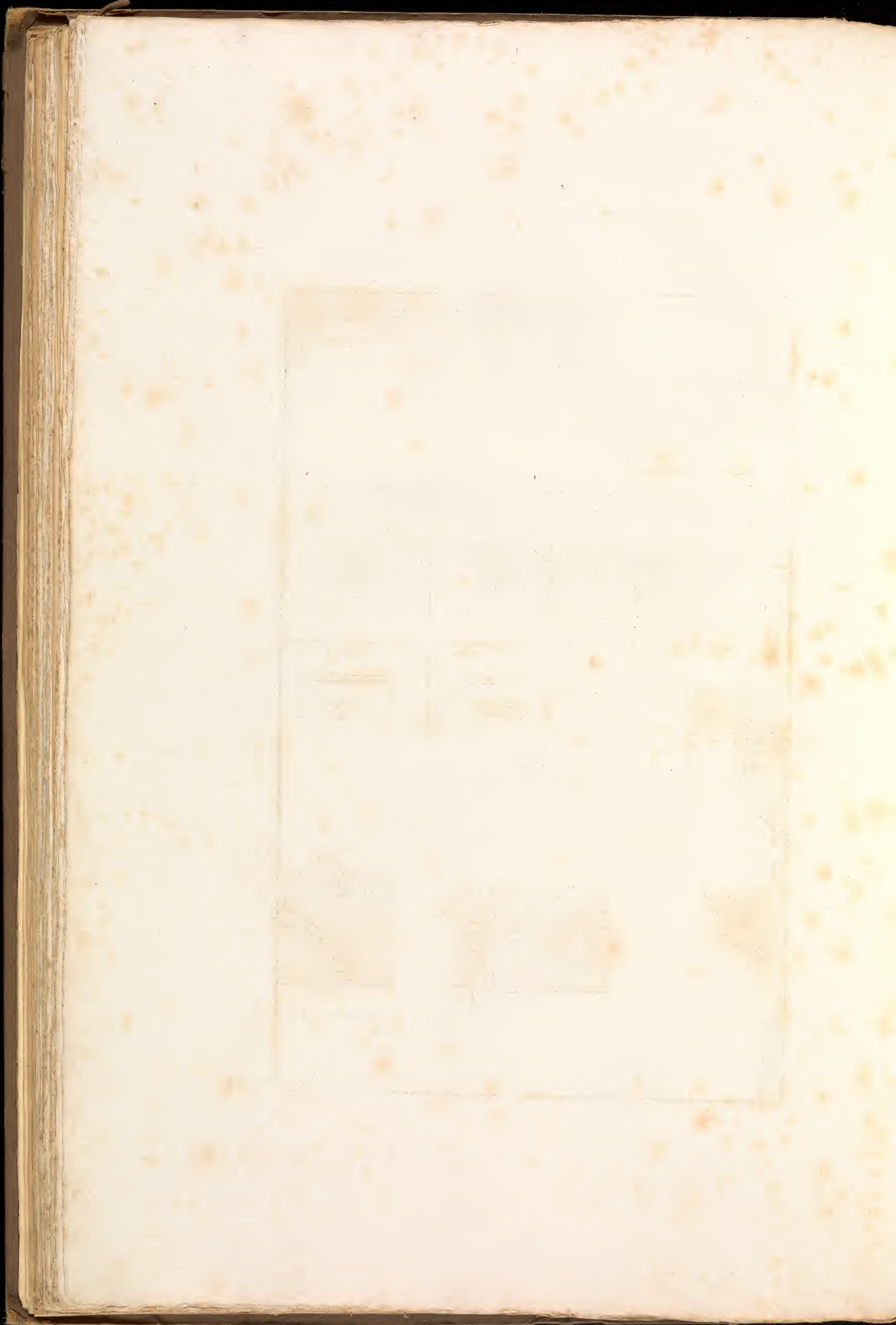


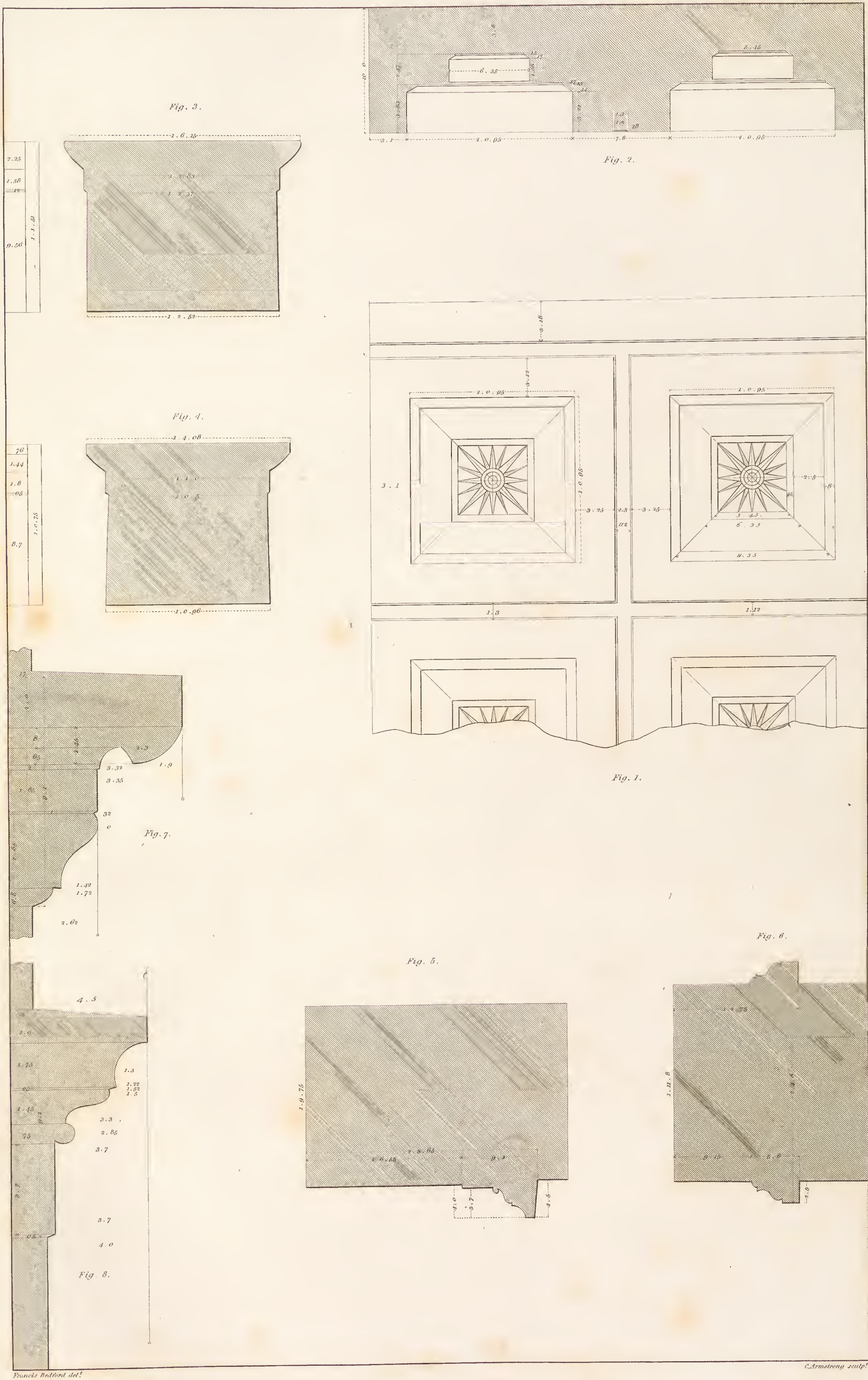






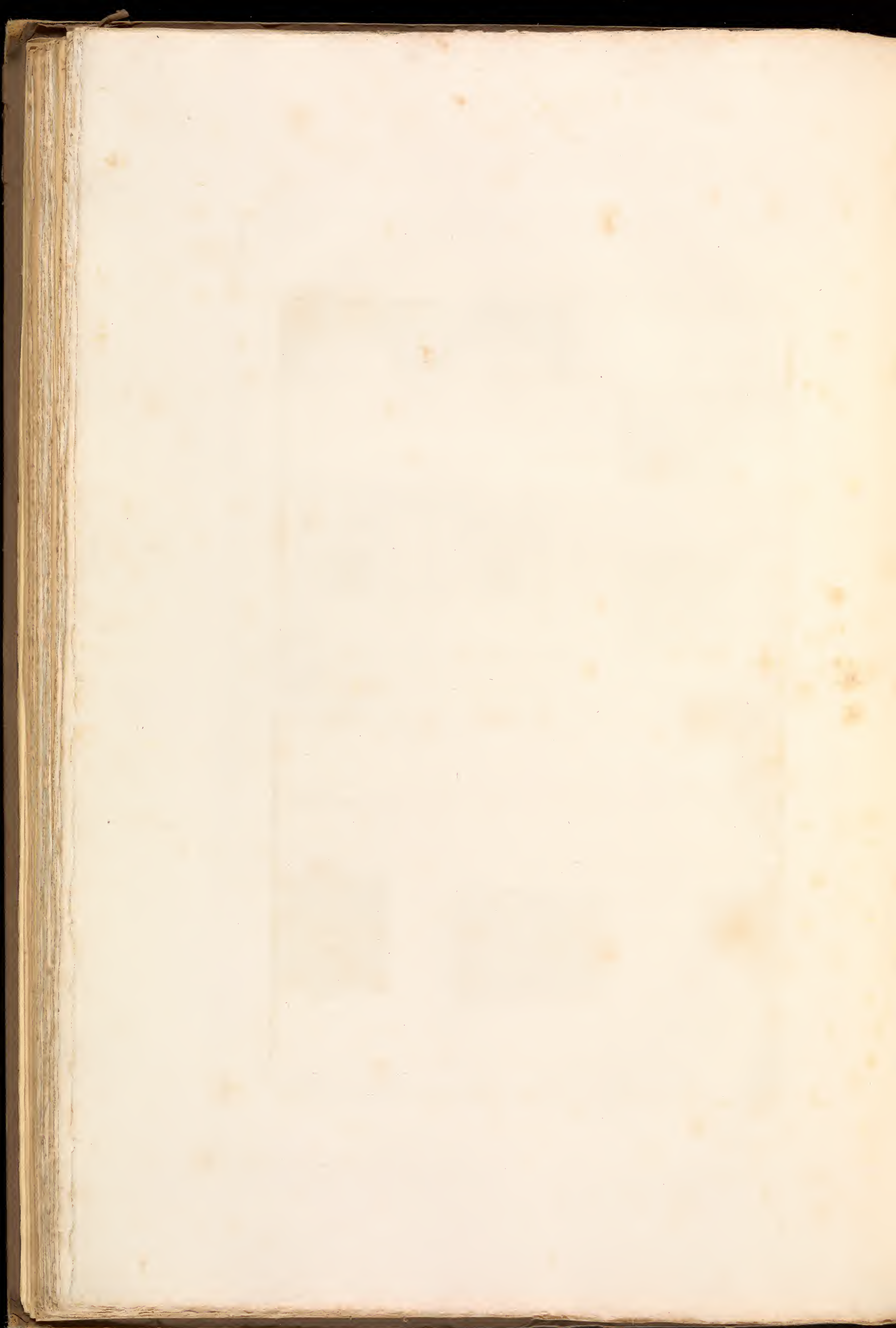






Drucke Halford del.

C. Armstrong sculpt.



## CHAPTER IV.

## THE TEMPLE OF CERES.

WE need no stronger evidence of the extreme piety of the Athenians than the numberless temples which embellished the limited territory of this interesting people. It seems impossible to attribute to the operations of a religion founded upon the absurd fables connected with their mythology, the lasting effects produced upon the manners of a people, which, until a period comparatively late, were visible in their religious and civil establishments. Accordingly we discover that the Eleusinian mysteries, the most sacred of their rites, professed to reveal to the initiated the errors of their theology, and to instil the most sublime precepts of morality and piety.

The origin of these rites may be traced to that country whence the Greeks derived their knowledge of agriculture, and their first conceptions of the arts and sciences. In Egypt, from a very early period, the legislature seems to have devised many expedients calculated to restrain the community within the limits of subordination, so necessary to the existence of society : exposed by their theology, to the dangers arising from the absence of moral example, and encouraged to give a loose to the passions, by the corrupt and evil actions attributed by tradition to the beings they were instructed to venerate and fear, some obligation was necessary, sufficiently powerful to tie mankind down to the strict observance of the duties they owed the community. The polytheism which had been invented as a measure of state policy, rendered corrupt by the embellishments and interpolations of the poets and historians, instead of upholding, thus seemed to threaten the subversion of moral obligation ; and the rulers of mankind were early made sensible that the beings to whom all human vices were attributable, were improper objects to be held up to the respect and admiration of a people. The hierarchs, who were at once priests and legislators, were thus led to institute inquiries into the origin and rationality of their mythology, and the result seems to have led to the dispersion of the mist in which religion had become enveloped. The people were now taught that their gods were deified mortals, who having been benefactors of mankind, their posterity, in gratitude, had canonized them ; although they possessed in common with man the vices and propensities inherent in his nature. This was the first step towards

dispelling that ignorance which concealed from their view the brilliant truths it was subsequently the object of the mysteries to impress upon the initiated.

As the principal object of the institution was to instil the love and practice of virtue into the mind of man, it might seem that the purity of religion, not less than the interests of society, required that the knowledge of the sacred truths, by which both were protected, should be generally diffused, that mystery should cease, and publicity be given to the doctrines taught in them. But the sudden profession of a new faith was not to be expected from a whole people, and the most secure method of making proselytes was, to begin by admitting such to a participation of the mysteries whose education rendered them superior to vulgar prejudices. Experience has taught us, that mankind is most eager to obtain that which is really or apparently withheld from them.

In some smaller states, however, and amongst a limited population, the difficulty was less: we are informed by Diodorus Siculus, that in Crete the rites of this reformed religion were openly celebrated.\*

In Greece, the initiated were obliged to contract a solemn engagement to observe secrecy, and the celebration was conducted under the veil of impenetrable mystery. Curiosity was excited, and a desire of initiation followed from the secrecy observed: they were celebrated in the obscurity and solemn stillness of night, for the purpose of rendering the ceremonies more awful and impressive.†

The celebration of the greater ceremonies, which took place at Eleusis, was quinquennial: but the preparatory initiation into the lesser mysteries, which was yearly performed at Athens, was indispensable. The aspirants assembled on the banks of the Ilissus, and after ablutions and sacrifice, obtained admission into the Eleusinium, or sacred boundary. A year must necessarily intervene between the initiation at Athens, and a participation in the greater solemnities at Eleusis. The mystæ, who had gone through the minor ordeals, were conducted within the sacred area surrounding the Eleusinian temple, where every circumstance of deception calculated to impress terror on their minds was resorted to,‡ and medicated drugs were administered, whose operation augmented the horrors the mysterious visions were calculated to inspire. Aristides§ describes the scene of the mysteries as the most horrible and, at the same time, the most ravishing representation.

From Chandler, who collected and abridged the authorities relating to the celebration of the principal rite, the following passages, descriptive of the ceremonial with which it was accompanied, are selected.

“The solemnity began on the fifteenth of the month Boedromion, and ended on the twenty-third. The principal rite was nocturnal, and confined to the temple and its environs. The mystæ waited without with impatience and apprehension. Lamentations and strange noises were heard.

\* Lib. v. † Warburton, Div. Leg. of Moses, ii. sec. 4. ‡ Proclus in Plat. Theolog. iii. 18. § Eleus.



It thundered. Flashes of light and of fire rendered the deep succeeding darkness more terrible. They were beaten, and perceived not the hand. They beheld frightful apparitions, monsters, and phantoms of a canine form. They were filled with terror, became perplexed and unable to stir. The scene then suddenly changed to brilliant and agreeable. The Propylæa or vestibules of the temple, were opened, the curtains withdrawn, the hidden things displayed. They were introduced by the hierophant and daduchus, and the former shewed them the mysteries. The splendor of illumination, the glory of the temple, and of the images, the singing and dancing which accompanied the exhibition, all contributed to sooth the mind after its late agitation, and to render the wondering devotee tranquil and self-satisfied. After this inspection, or, as it was called, Autopsia, they retired, and others advanced. The succeeding days were employed in sacrifice, in pompous processions and spectacles, at which they assisted, wearing myrtle crowns. On the twenty-third, two vases were filled, and placed towards the east and west. Some mystic words were pronounced, the vases were overturned, and the festival ended....

“ The story of Ceres and Proserpine, the foundation of the Eleusinian mysteries, was partly local. It was both verbally delivered, and represented in allegorical show. Proserpine was gathering flowers when she was stolen by Pluto. Hence the procession of the holy basket, which was placed on a car, dragged along by oxen, and followed by a train of females, some carrying the mystic chests, shouting *Hail Ceres!* At night a procession was made with lighted torches, to commemorate the goddess searching for her daughter. A measure of barley, the grain which it was believed she had given, was the reward of the victors in the gymnic exercises; and the transaction at the temple had a reference to the legend. A knowledge of these things and places, from which the profane were excluded, was the amount of initiation; and the mode of it which had been devised by craft was skilfully adapted to the reigning superstitions. The operation was forcible, and the effect in proportion. The priesthood flourished as piety increased. The dispensation was corrupt, but its tendency not malignant. It produced sanctity of manners, and an attention to the social duties; a desire to be distinguished by what was deemed virtue as by silence.”\*

Long before the final extinction of the Eleusinian rites, the mysteries they taught, and the ceremonial with which they were accompanied, lost the garb of secrecy in which they had been anciently infolded. Some slight accounts of the sacred edifice had also been given by writers of the age. But the subsequent devastations of Alaric appeared to have rendered all further development of the mystery, which had thus been partially violated, impracticable, by burying the site of the temple beneath its own ponderous ruins. This state of oblivion was assisted by the operations of the more modern inhabitants of Eleusis, whose wretched habitations overspread the area formerly comprised within the sacred boundary of the temple. Still, however, the site was marked by the massive blocks of the edifice, which the Eleusinians had not the power of

\* Chandler's Travels in Greece, c. xl.

converting to the purposes of building, and which were visible above the accumulated soil of several centuries.

The travellers engaged by the Society of Dilettanti to explore the continent of Asia-Minor and part of Greece, were the first who attempted the discovery of the plan upon which the sacred edifices of Eleusis had been constructed;\* but the difficulties opposed to their progress by time and accident were almost insuperable. Under more favourable circumstances, a recent mission succeeded in obtaining the various details which form the subjects of the accompanying plates.

The fragment of one column alone, about four feet in height, visibly retained its original situation: the soil had accumulated so as to rise two feet above the pavement of the portico on which it stood; from hence it gradually sloped upwards towards the rear, where the accumulation of the ruins and the soil above it was fourteen feet, and had restored the ground to its natural form before it was cut away to make an artificial level for the basement of the temple. Upon this slope thus formed by the ponderous masses of the building many of the modern habitations were erected; a circumstance which effectually prevented the investigation necessary to the developement of the entire plan. Along the range of steps in front of the portico, excepting for an interval of about twenty feet, a continued row of cottages had been built; but this did not prevent the artists of the mission from making their excavations, which discovered the pavement in a state almost perfect with the positions, clearly defined, of twelve columns which formerly adorned the front of this celebrated building.† The pavement, and the outward facing of the walls of the cella, were formed of the hard grey lime-stone found in the neighbourhood. The foundation, throughout the whole building, was composed of a porous stone laid in regular courses.

A trench was cut from the front towards the rear, for the purpose of ascertaining the depth of the portico, and to discover if there had formerly been a range of columns within it. This excavation exposed the pavement of the portico, formed of stones four feet square, extending inwardly to the distance of thirty-eight feet from the front of the upper step, where it terminated in an unbroken line, and exhibited no traces whatever of interior columns. At this unbroken line of the pavement, we may presume the transverse wall of the cella to have commenced.

The massy blocks, out of which the triglyphs were formed, and which lay heaped towards the rear of the cella, were formidable obstacles to the pursuit of discoveries in this part of the building. Enough however of the area was cleared to shew a pavement of hard limestone, upon which were placed three cylindrical blocks, of the same material as the foundations of the pavement, and coated with cement.

\* Antiq. of Ionia, vol. ii.

† The places of the columns, of which few fragments were remaining in their ancient situation, were ascertained by the holes in the pavement made for the plugs connecting it with the lower part of the shafts. It has been ascertained that plugs were rarely used in similar situations, although found at every joint in the columns of the same buildings.

The existence of this pavement, whose level was considerably below that of the portico, combined with other corroborative circumstances, seem to prove that it was not the floor of the cella, but that of a crypt, constructed for some purpose of theatrical deception,\* which we know to have been practised upon the candidates for initiation.

It will appear, on referring to the section, that the rock has not been cut away down to the level of this pavement, but that it protrudes itself beyond the line of the back wall; a neglect of finish little consistent with the splendour and importance of the building, if we consider the pavement to be the floor of the cella: neither was the pavement smoothed and polished like that of the portico, made of the same material, but rough from the chisel of the mason.

We learn from Plutarch, that there were columns within the cella; but the cylindrical pieces already mentioned have scarcely any diminution. They are of a material which has only been employed in foundations, and in walls concealed from the view: whilst within the area of the temple fragments of columns were found, which, like those of the portico, were marble. All these circumstances considered lead to the conclusion that the floor of the cella was a work of higher finish, raised, by some expedient, above the level of this pavement.

If we are to credit the assertion of Vitruvius, the Eleusinian temple was first constructed by Ictinus, the architect of the Parthenon, without any exterior columns, and afterwards, under Demetrius Phalareus, Philon added the portico.† But his notices upon the buildings of antiquity are frequently incorrect; nor is it easy to imagine that the adaptation of a portico, where there was a necessity for adhering to the proportions and magnitude of existing parts, could have been effected so as to produce a building commensurate in its parts, unless in prosecution of the original design.

Plutarch informs us that the mystic temple of Eleusis, was begun to be built by Corœbus, who proceeded so far as to erect the lower columns and their epistylia. At his death, Metagenes of Xypete added the galleries and the upper columns. Xenocles the Cholargian constructed the roof over the ceiling of the sanctuary.‡

\* The floor of the cella in Grecian temples is almost invariably above that of the porticoes, never below it. In some instances, as at Paestum and Agrigentum, the ascent to the cella is considerable. The Parthenon is the only temple known where the pavement of the cella is level with that of the pronaos and posticum.

† Vitruv. in præfat. vii.

‡ Το δ' ἐν Ἐλευσίνι τελεστήριον ἔρξατο μὲν Κόροιβος οἰκοδομεῖν, καὶ τοὺς ἐπ' ἑδαφους κίονας ἔθηκεν οὗτος, καὶ τοὺς ἐπιστυλίους ἐπέξευξεν. ἀποθανόντος δὲ τούτου, Μεταγένης ὁ Ξυπέτιος τὸ διάζωμα καὶ τοὺς ἄνω κίονας ἐπέστησε. τὸ δὲ ὀπίαιον ἐπὶ τοῦ ἀνακτορίου Ξενοκλῆς ὁ Χολαργεὺς ἐκορόφωσε. In Pericl.

Upon this passage of Plutarch it is necessary to observe that the word ὀπίαιον has been misunderstood to mean a window, or opening, in the roof. It would be absurd to say that the opening in the roof or ceiling was covered with a roof. Nor would the covering of an aperture of this kind be a circumstance to record. The work must have been one of some merit, the performance of which preserved the name of the author. The ὀπίαιον was probably the lacunaria or ornamental ceiling over the sanctuary, formed into pannels by timbers crossing each other, similar to that of the Propylæa already described. In covered temples the ornamental ceiling was wholly unconnected with the timbers of the roof. Pausanias relates that when the Eleans, in the time of Aristarchus the historian of Olympia, were repairing the roof of the temple of Jupiter, they found the body of a warrior, between the ceiling constructed for ornament, and that supporting the tiles of the roof—μεταξὺ ἀμφοτέρων τῆς τε ἐς εὐσπέριαν στέγης καὶ τῆς ἀνεχούσης τὸν κέραμον. v. 20. We may consider the ὀπίαιον as implying the *intertignia*, formed

From this passage of Plutarch it is evident, that there was a double range of columns, one above the other, within the temple: and in conformity with the practice of the Greeks we may venture to place another and a similar range on the opposite side of the cella. The mode of placing them is different from that observed in every other temple where columns are found to have been introduced within the cella. The double row, in this instance, is ranged across the cella, and not along the side walls: the purpose of their introduction was to support the ceiling and the roof above it. The span to be covered being by these means reduced to sixty feet, there would be less difficulty in obtaining timbers sufficiently long, and of sufficient strength to carry the vast weight of the roof they upheld. The area between the double ranges of columns was probably that called by Plutarch the *Anactoron*.\*

The marble pavement of the peribolus in front of the temple was discovered in digging along the steps: it was only an inch and a half in thickness, and much broken. It appears to have been a subsequent work, for the surface was level with the top of the lower step. A second pavement of a similar kind was found fifteen inches below it. Upon discovering the first, the peasants eagerly possessed themselves of the fragments, which they applied as covering to their cottages.

## PLATE I.

### PLAN OF THE TEMPLE.

The whole area occupied by the temple was covered by a substructure of porous stone. The steps and pavement of the portico were formed of the hard grey limestone of Eleusis. In cutting a trench longitudinally through the building it was discovered that this pavement terminated in a straight line, twenty-eight feet beyond the upper step. Eighteen feet beyond this line, another pavement of the same material appeared, lying more than two feet below the first.

The thickness of the walls could not be accurately ascertained; but they appeared to have been cased within and without with Eleusinian stone: the intermediate space being filled in with the same stone as that of the substructure. The external facing was sixteen inches in thickness, and probably the interior was nearly the same; the middle courses were three feet six inches, so that the entire thickness of the walls may have been six feet, that is something less than the width of

by an ornamental frame-work of timbers crossing each other at right angles, which Xenocles surmounted with a roof covered with marble tiles. The roof thus finished was a work of considerable importance.

In the *Odyssee* (i. 320.) Minerva, transformed into a bird, flies through the *ὄπαιον*, which the scholiast interprets to mean an opening in the roof through which the smoke escaped. In the later times of Plutarch, this word might have a much more extended signification

\* Το τῆς Δήμητρος, ὃ καὶ μέγαρον καλοῦσιν ὅπου τὰ Ἀνάκτορα τίθεται. Hesych. in Ἀνάκτορον.

It was so called perhaps from the statues of the Anactores or Dioscuri, placed within it. Or because the mysteries celebrated in it were borrowed originally from those of the Cabiri, who were called *ἀνακτῆς*, or *kings*, in Samothrace. Paus. ii. 22. x. 38.

the antæ, which is commonly the case in Grecian temples. The wall behind the cella appeared to have been built with two courses in the width. Upon the supposition that the transverse wall, dividing the cella and the portico, were equal in width to the others, the cella would have been nearly a square of something more than one hundred and sixty-six feet.

Trenches having been cut transversely across the lateral walls of the building, some masonry was discovered, formed in part with the hard limestone, and part with the porous stone already mentioned: these were probably sleepers, as they are now termed, intended to support the timbers of the floor: their extent is shewn by dotted lines along the walls.

The north-east angle of the upper step exhibited many plug-holes, and indicated the position of three columns, where no other appearance of their prior existence presented itself. Fragments of the two next in succession remained in their places: the area between these and the portion of a shaft belonging to the column which was third in order from the other angle of the front, was occupied by cottages, a circumstance which effectually prevented the progress of the excavations: the distance between them was precisely sufficient to admit of four columns and five intervals. The walls of an adjoining house being built upon the site of the remaining two, no excavation could be made there with safety.

The remains of the wall, and one of the antæ at the south-west angle of the temple, determined the extent of the front in this direction, and clearly proved that the portico was originally constructed with twelve columns in front. A platform or terrace was cut in the rock behind the temple in close contact with the wall of the cella: it was twenty feet above the level of the pavement in the portico: a flight of steps, about twenty feet distant from the north-west angle of the temple, led from this terrace to a small portal which apparently afforded access to the citadel above.

## PLATE II.

### ELEVATION OF THE PORTICO.

The inclination of the pediment was determined from a portion of the cornice which was formerly placed at one of the angles. The original height of the columns could not be ascertained; they are supposed in the plate to have been five diameters and a half.

## PLATE III.

### LONGITUDINAL SECTION THROUGH THE TEMPLE.

The transverse wall of the cella is supposed to have stood where the pavement of the portico was found to terminate. At about twenty feet from the line of termination another pavement was

discovered, more than two feet below the level of the first. The floor upon which the cylindrical pieces were placed, at the further end, is imagined to have been upon the same level with the latter, as both are of the same materials, and both were left without being smoothed. The result of the calculations of the artists who endeavoured to establish this point, make it a foot lower; but the difficulty of obtaining the levels from the points to which they had access, made their calculations liable to error. The rock at the end has not been cut away down to the level of the pavement, but encroaches upon the area within.

#### PLATE IV.

##### THE ORDER OF THE PORTICO AT LARGE.

A margin about an inch in width, was left around the edge of the upper and lower beds of the frusta of which the columns consisted; it was a little raised, and well polished: through this precaution the joint was so small as to be scarcely perceptible. The same expedient was adopted in the vertical joints of the cornice.

An entire tile could not be discovered amongst the ruins, so that the width here given to them is conjectural.

#### PLATE V.

##### SECTION THROUGH THE ENTABLATURE IN THE RETURN OF THE PORTICO.

This section serves to explain the method of construction adopted in the superstructure, so as to use the Pentelic marble as sparingly as possible. The blocks of the cornice were too little in width to be retained in their places without some superincumbent weight. The Eleusinian or the porous stone was probably employed in this situation, and fixed by cramps let into the upper surface. The tendency of the blocks to fall over could only have been counteracted by large masses fitted into them behind. The triglyphs were formed in single blocks two feet four inches wide, (A. Plate VI.) and grooves were cut in the sides to admit the metopæ, which were merely slabs six inches in thickness. The backing behind the triglyphs and metopæ, as well as the courses above them, are conjectured to have consisted of inferior materials. Some of the marble pannels of the lacunaria were found in excavating within the area of the portico: the beams supporting them must, from their great length, have been timber. The epistylia were formed in three thicknesses.

- A. Section through the lower part of the shaft and the upper step.
- B. Plan of the same.

## PLATE VI.

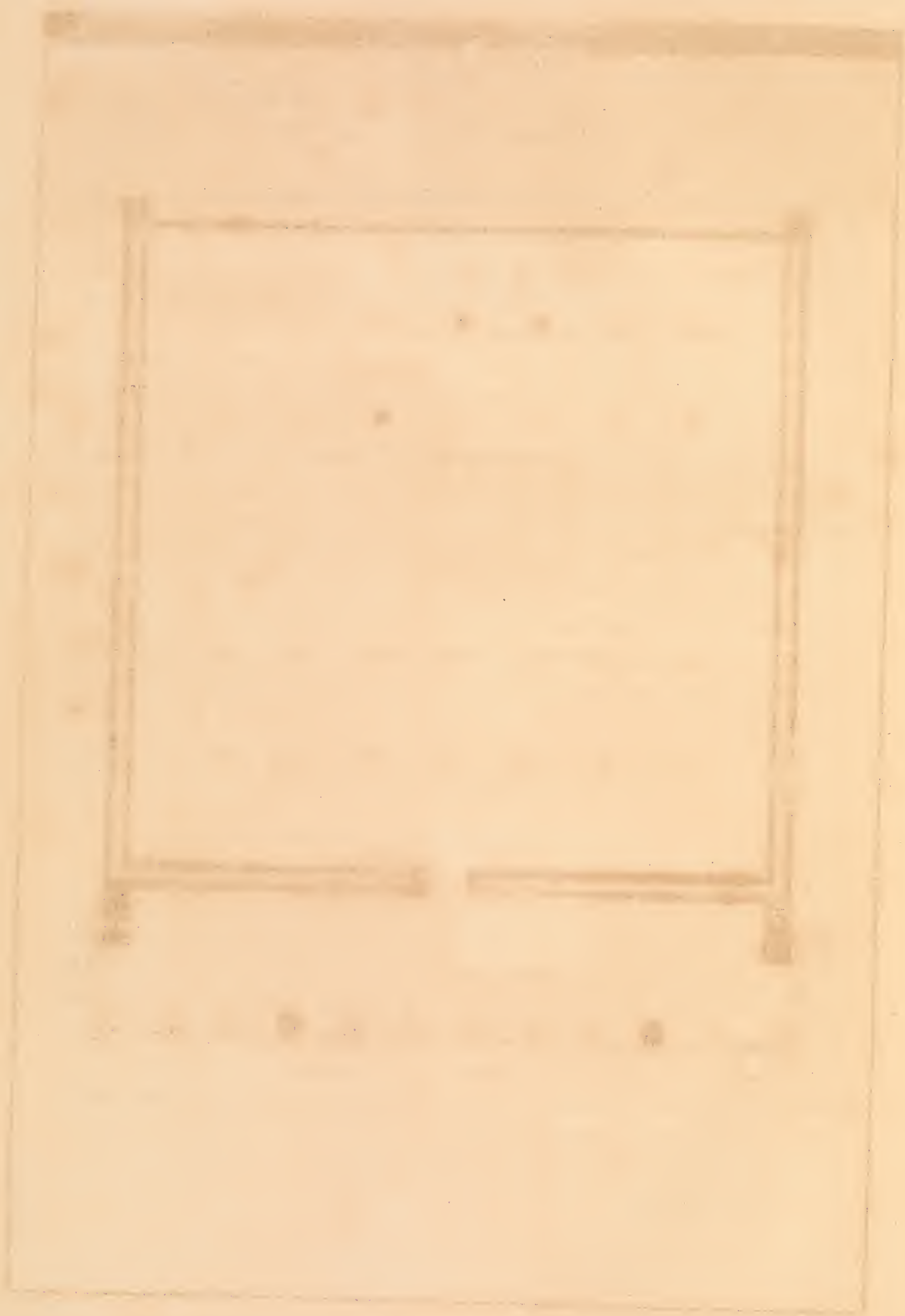
## DETAILS OF THE BUILDING.

- A. Plan of the triglyphs, shewing the manner in which the metopæ were inserted.
- B. Section through one of the marble pannels of the lacunaria over the portico.
- C. Section through the capital of one of the columns.
- D. Cylindrical shaft of porous stone found within the area of the cella: the piece below it, eleven inches in height, is of grey limestone, like the pavement on which it stood.
- E. Annulets of white marble found within the area of the cella; part of a column three feet two inches in diameter at the top of the shaft: it probably belonged to one of the columns of the lower range.
- F. Doric capital of Pentelic marble, found in the same place, belonging to one of the columns of the upper range.
- G. Section through the cornice of the pediment.
- H. Section through the cornice along the flanks of the temple. The fragment above it is part of the sloping top-bed of the cornice out of which the eaves-tile was formed. The upper surface exhibits the hole for receiving the plug which fastened the joint-tile down to it.
- I. Section of some fragments of moldings belonging, probably, to the frieze within the portico.
- K. Section through a cornice found in front of the temple, apparently belonging to the lintel of the great door-way.

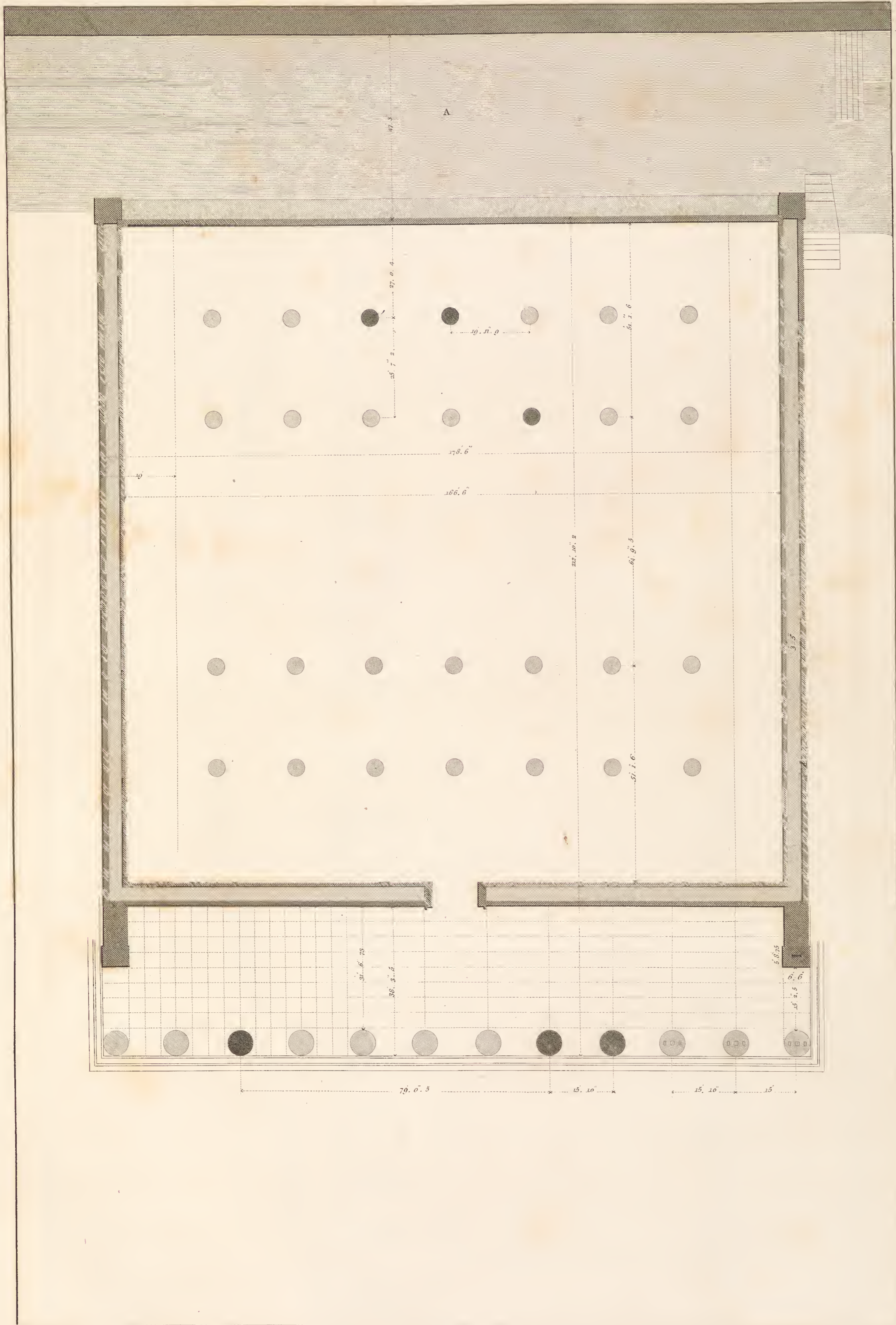
## PLATE VII.

## FRAGMENTS FOUND AT ELEUSIS.

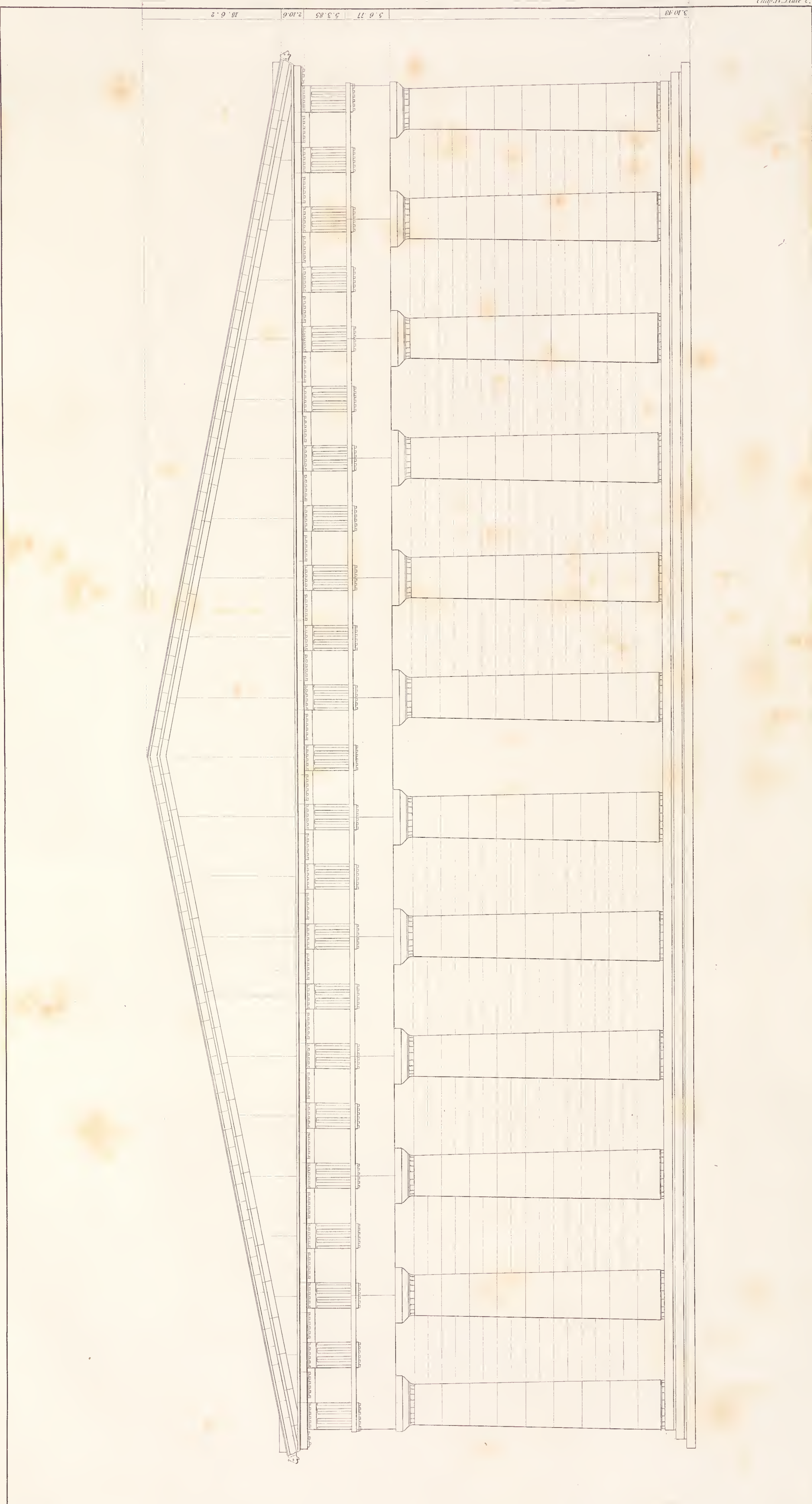
- Fig. I. Entablature of marble found in front of the temple of Ceres. The whole excepting the cornice was in a single block. The frieze is decorated with representations of thyrsi and pomegranates, the mystic basket, corn sheaves, vases of libation, pateræ, and the skull of an ox. A few letters of an inscription are still legible upon the epistylum. The entire length is nearly sixteen feet, and probably constituted the hyperthyrum of the great portal of the temple.
- II. III. Pedestals found standing upon the great pavement in front of the Propylæa: their situations are shewn in the general plan at F. F.
- IV. Patera of alabaster, found within the area of the temple.
- V. Section of the same.

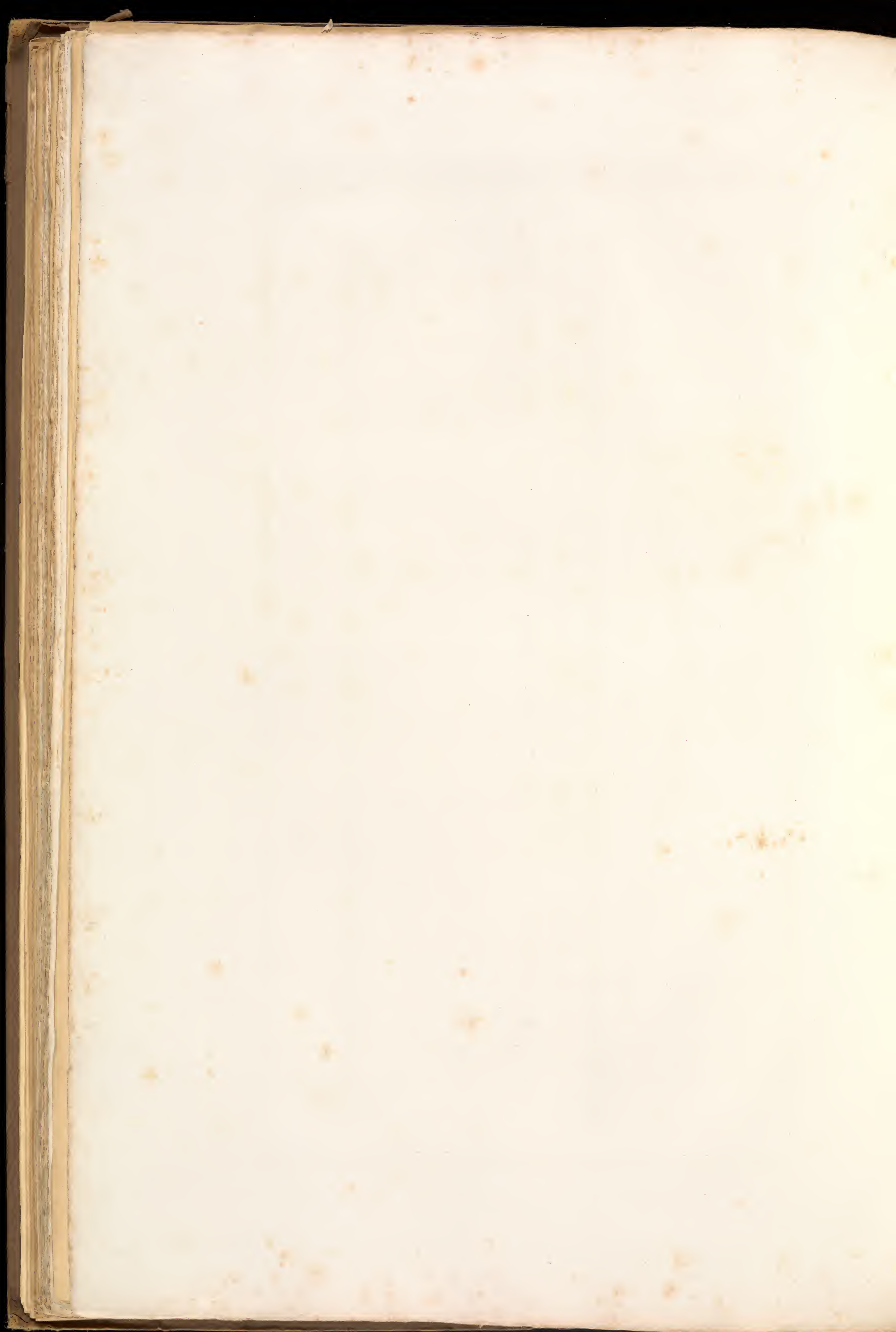


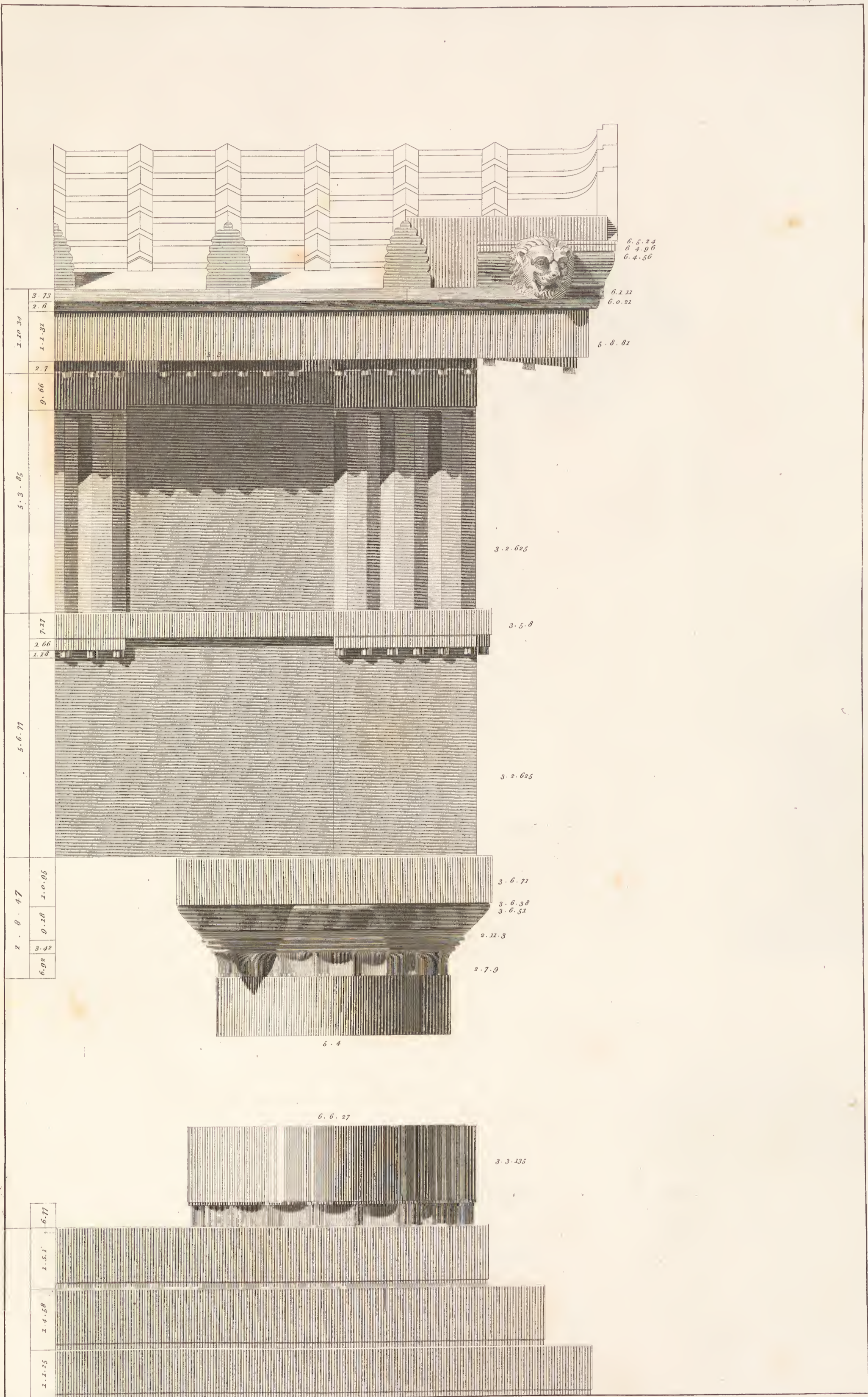






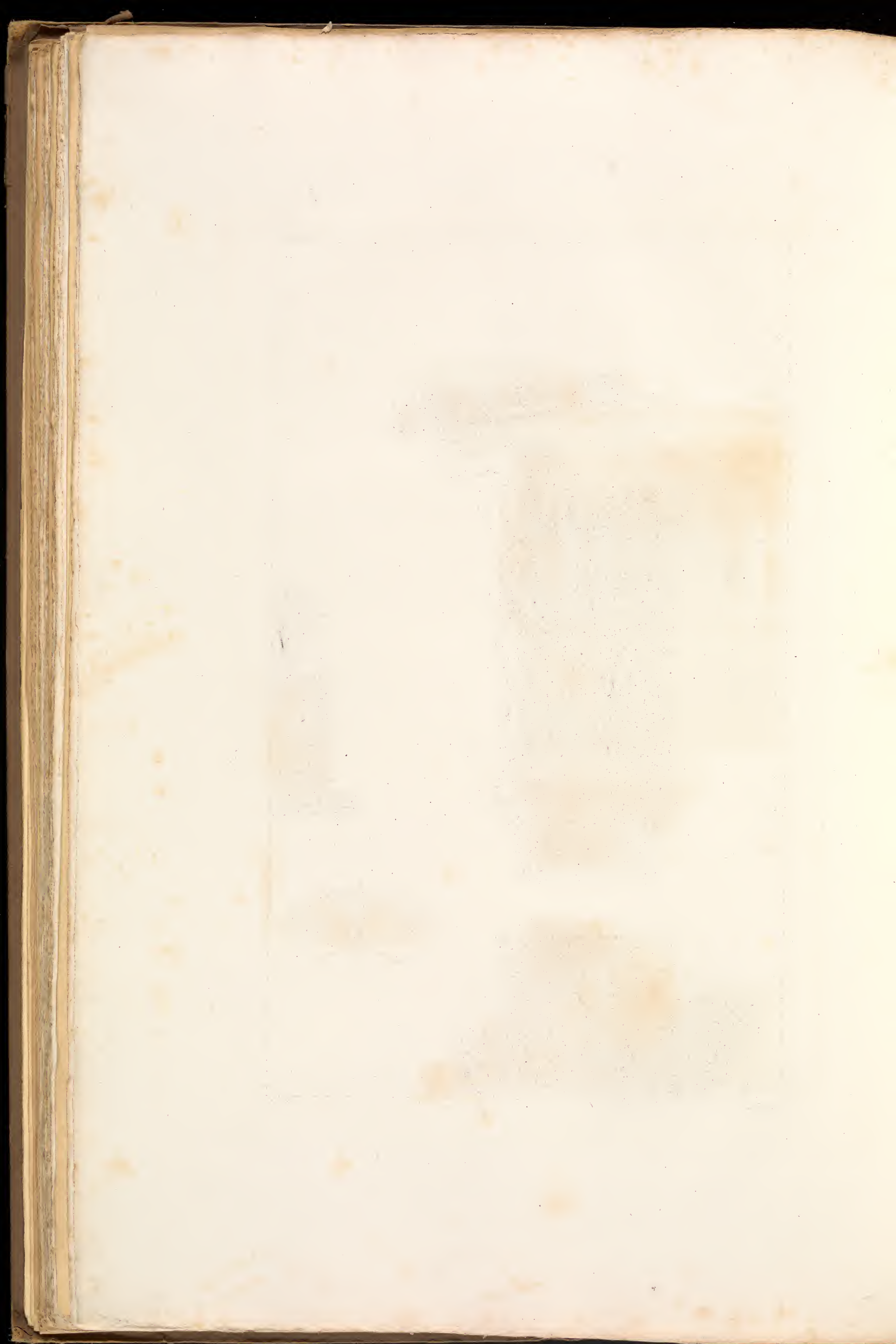


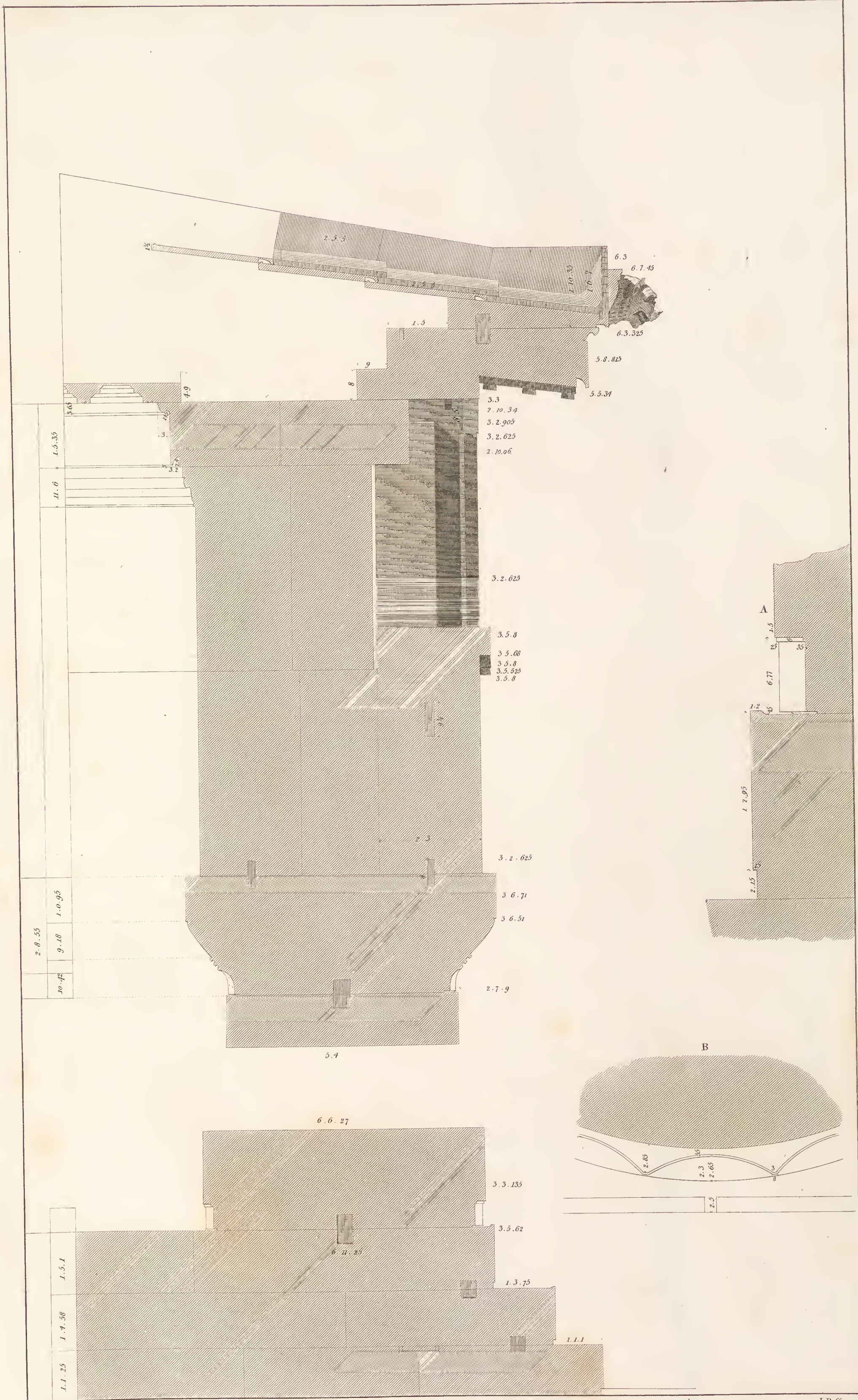


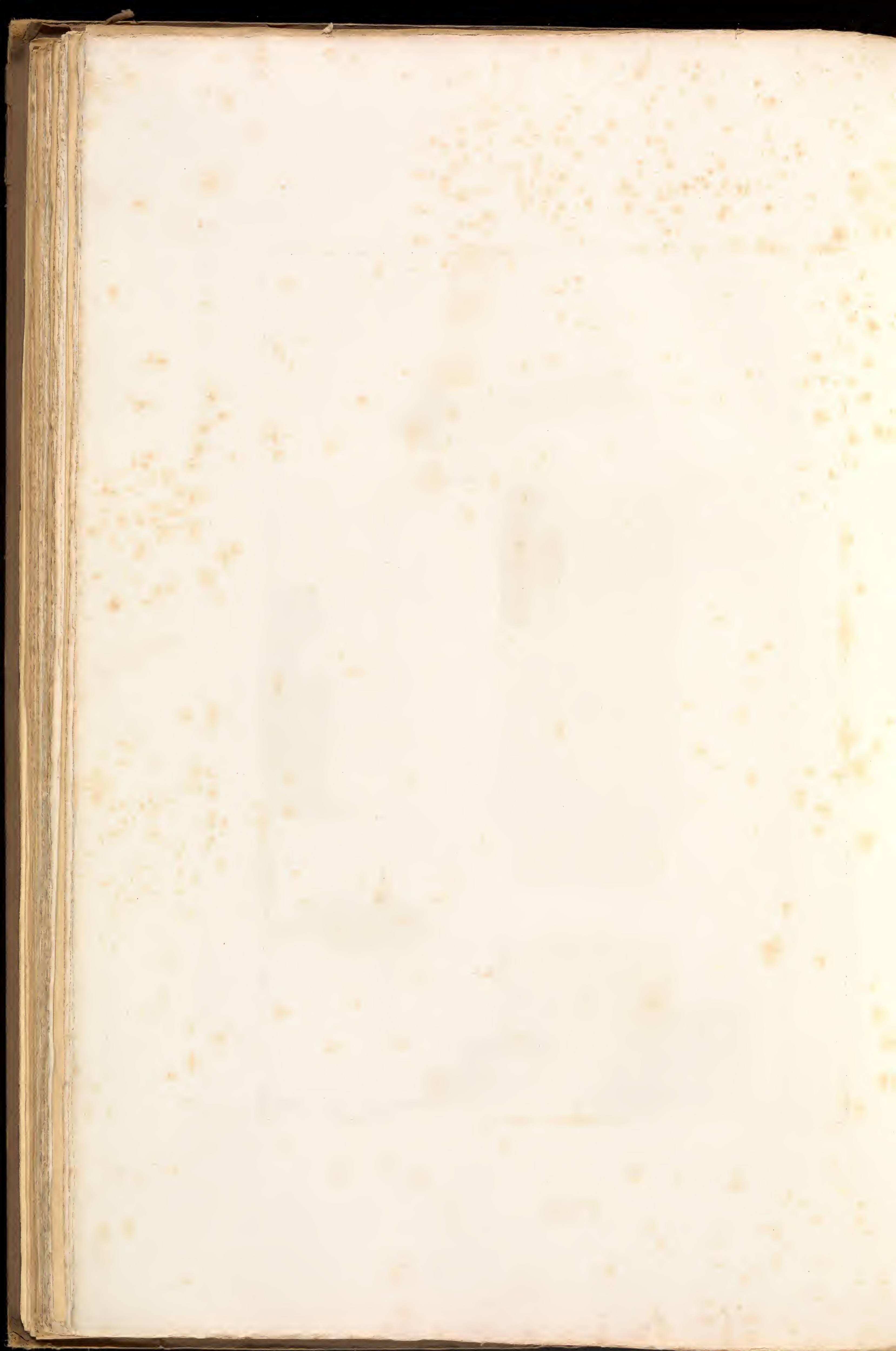


John Peter Gandy del.

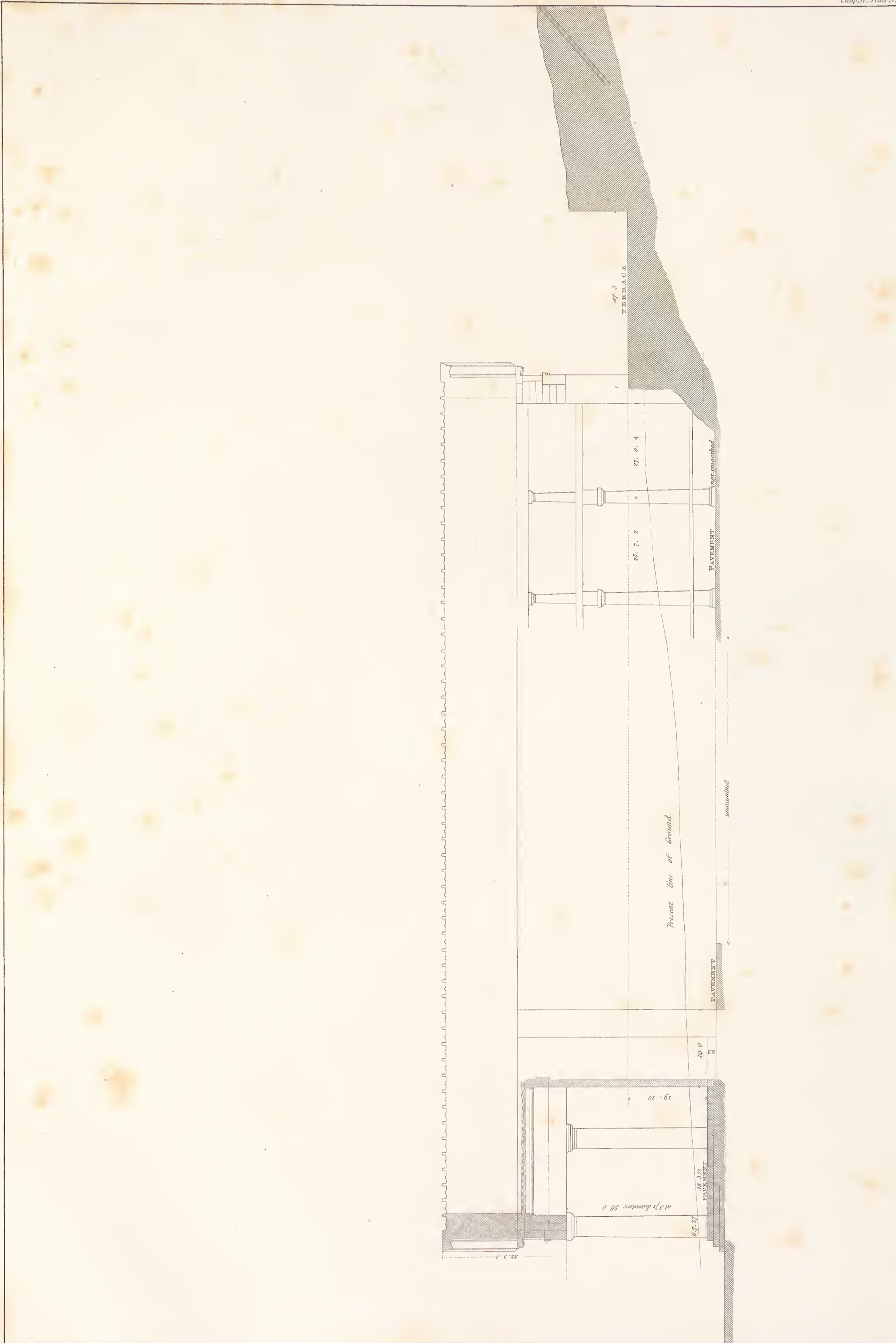
L. Rossi Sculp.





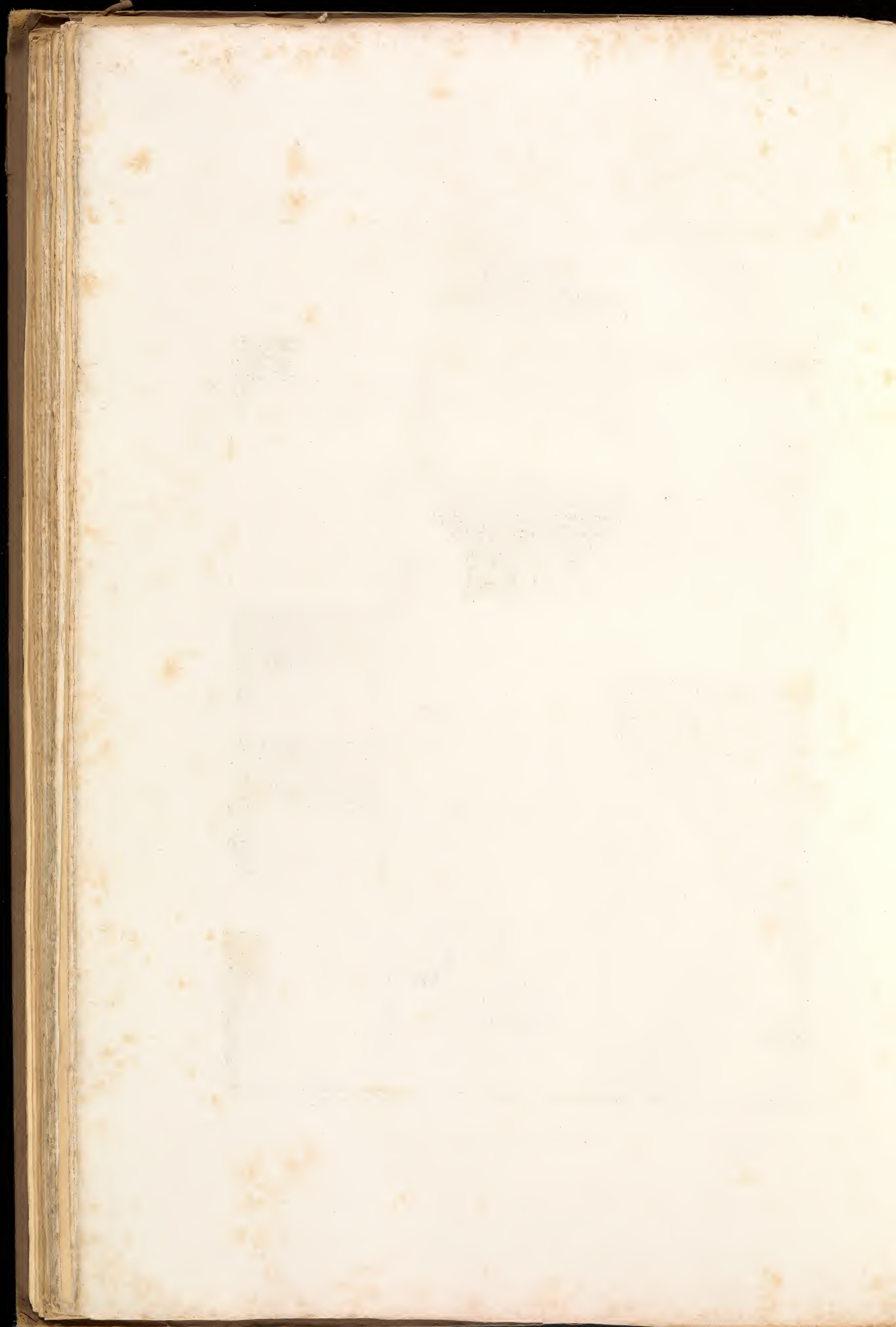




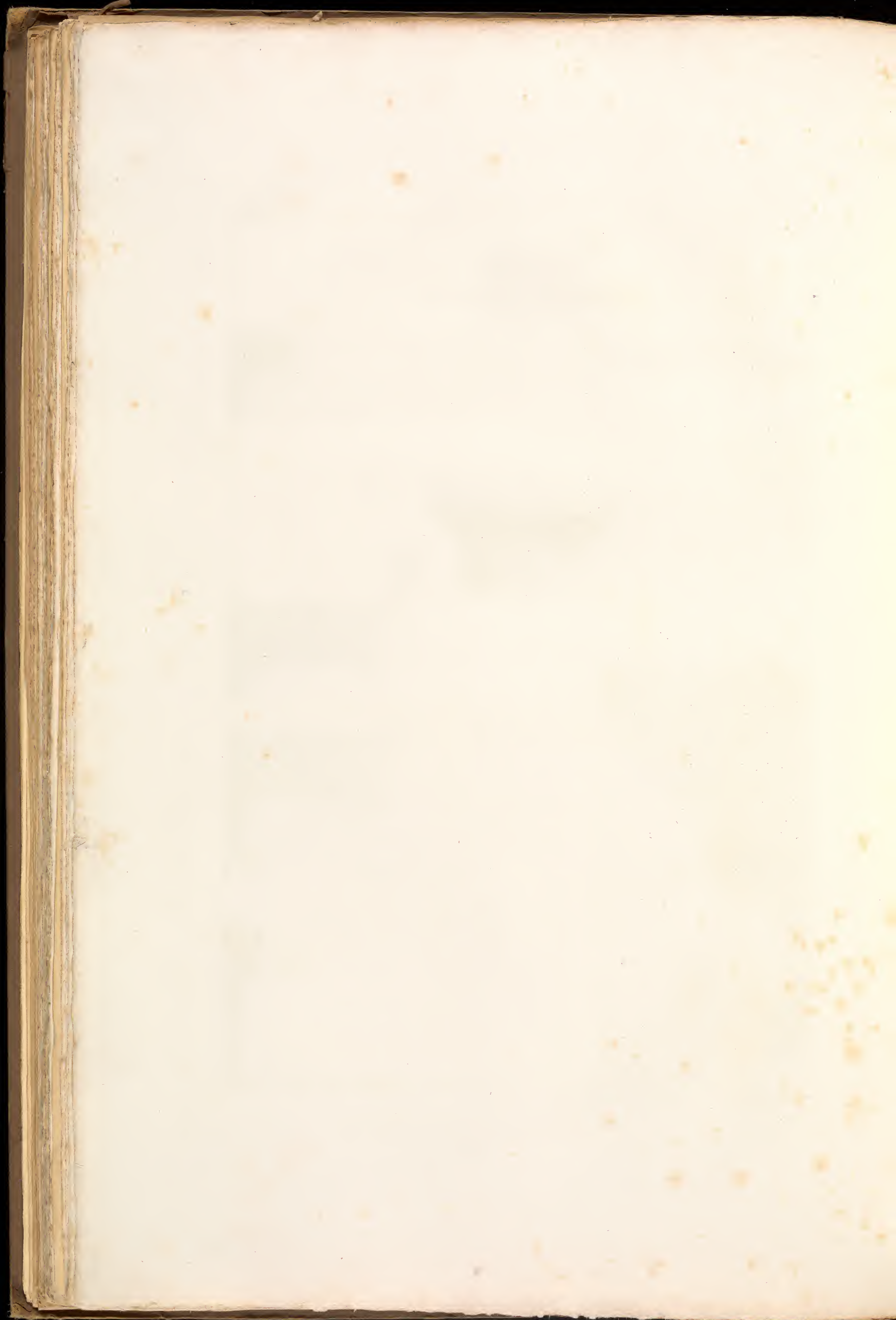


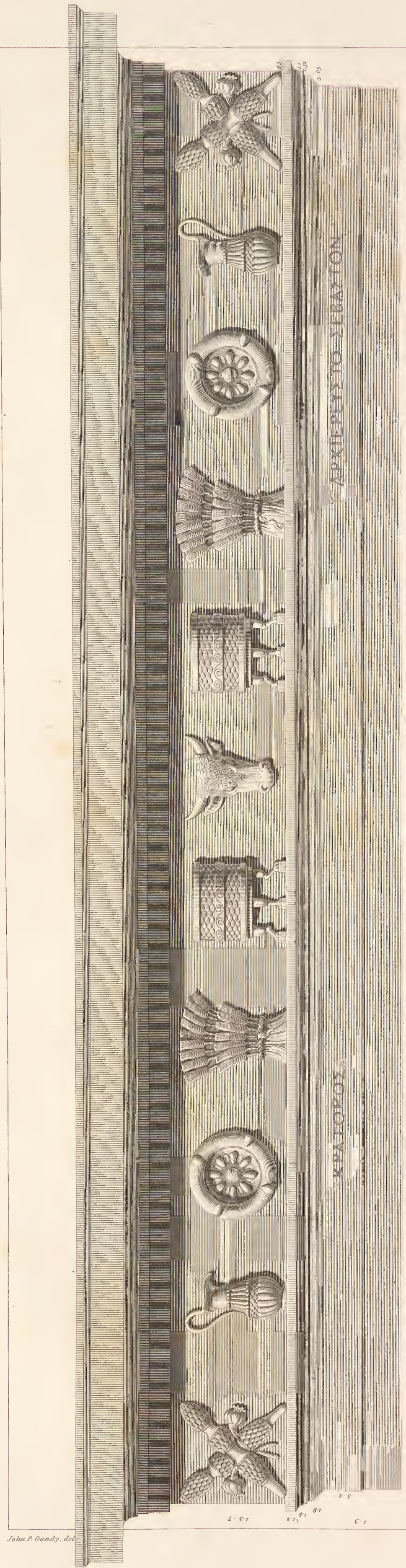
John P. Gandy del.

J. Rollé sculp.









whole length 15. 3. 6

Fig. 1.

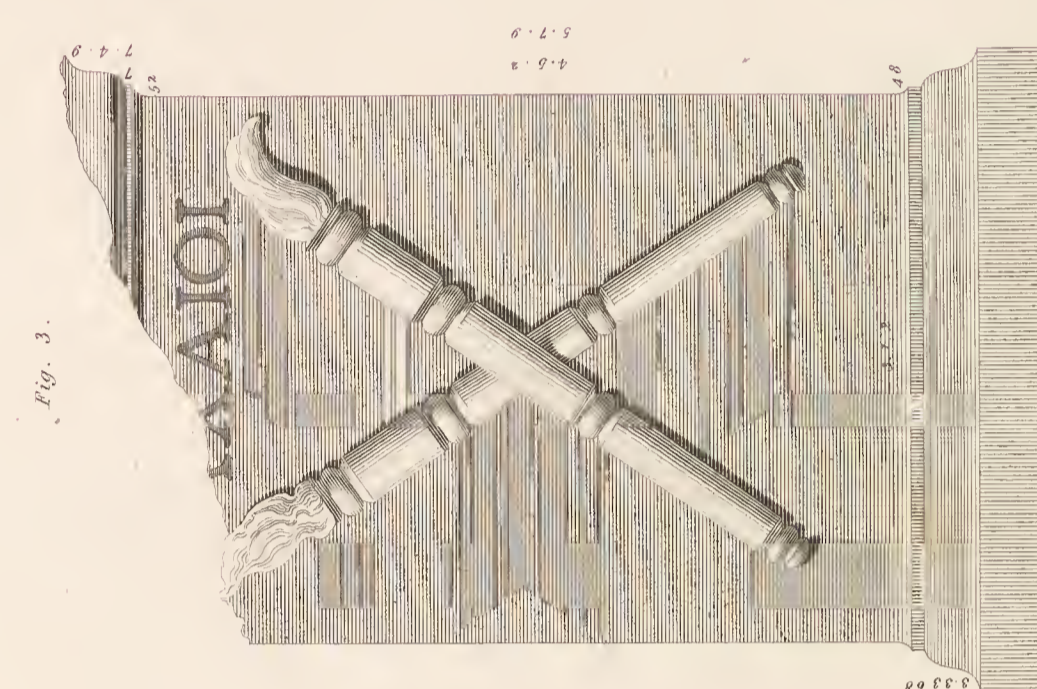


Fig. 3.

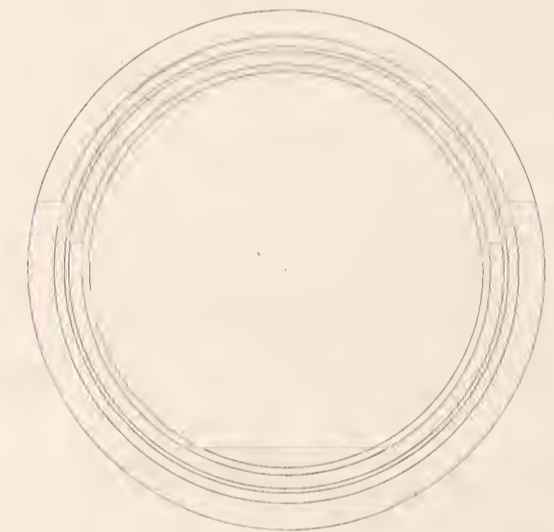


Fig. 4.

3. 6. diameter

Fig. 5.

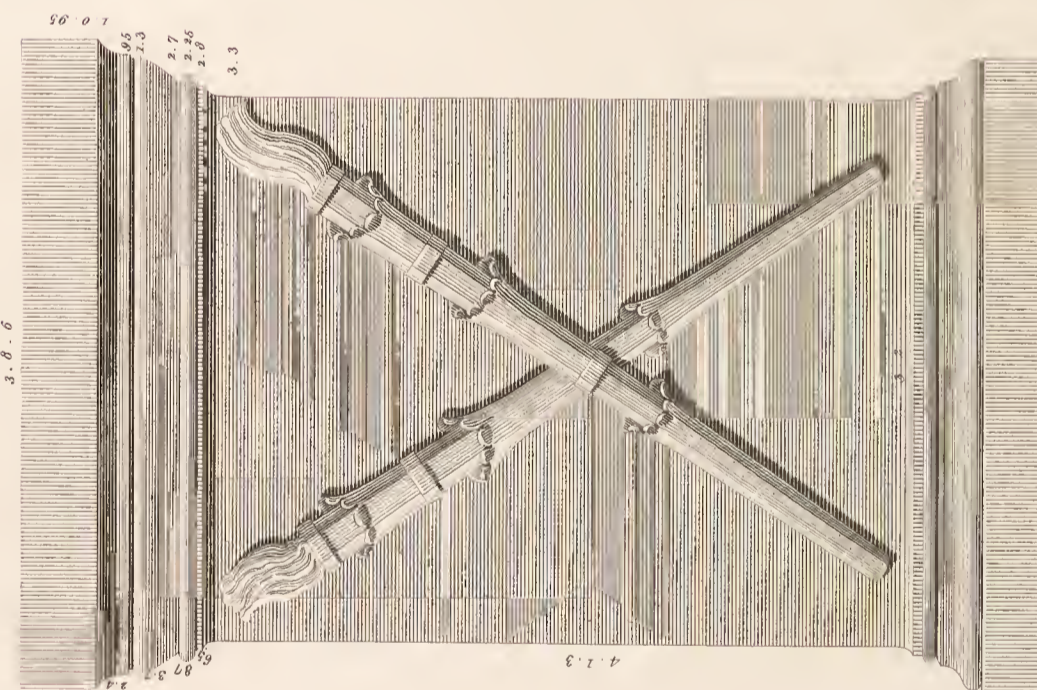
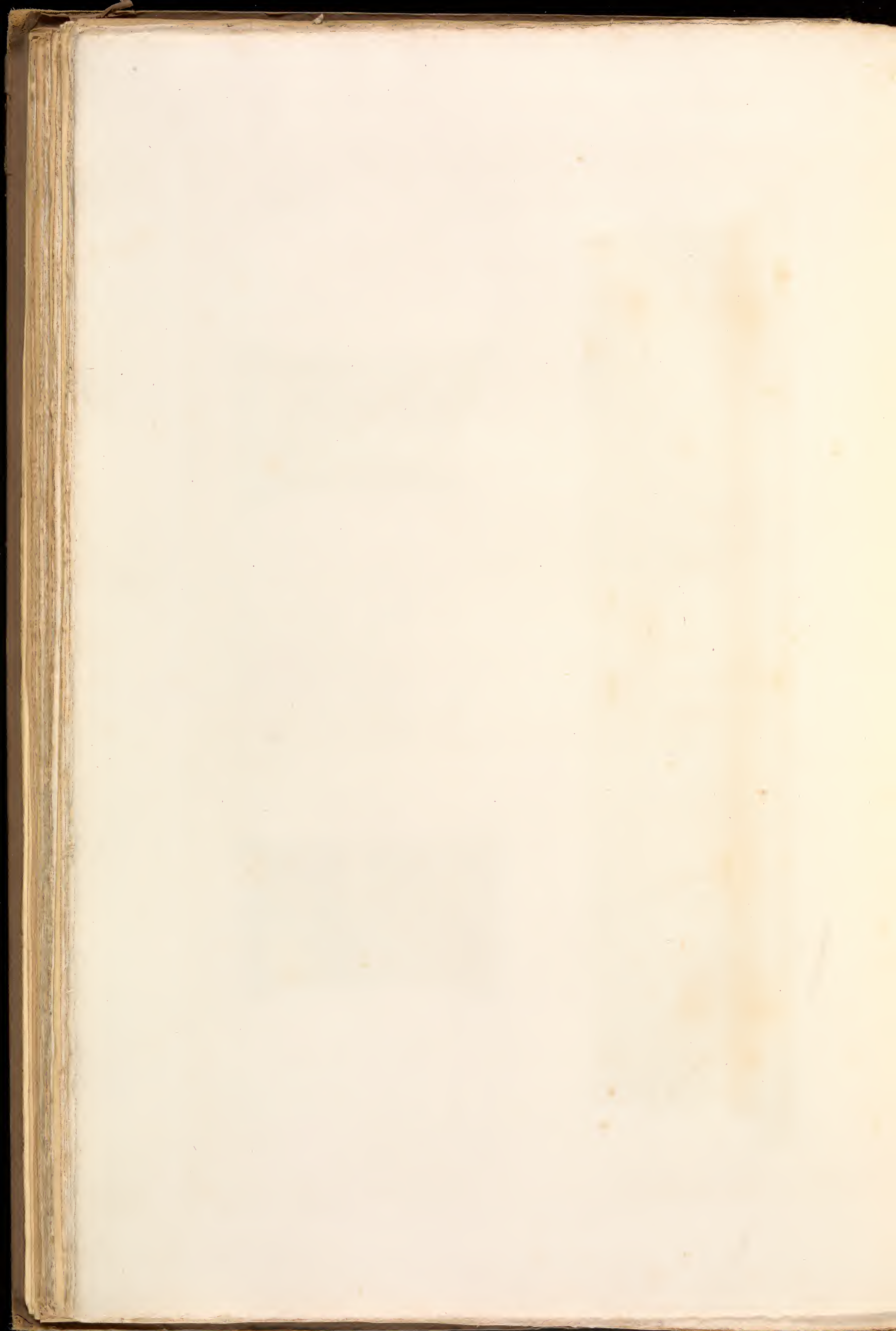


Fig. 2.

3. 6. 6

3. 6. 7



## CHAPTER V.

## TEMPLE OF DIANA-PROPYLÆA.

PAUSANIAS, whose authority has already been cited, informs us that there was a temple at Eleusis dedicated to Diana-Propylæa. As the cognomina of the divinities of paganism were frequently given on account of the local situation of their shrines and temples,\* we may be permitted to conclude, that the temple placed immediately in advance of the Propylæa was the one so denominated by the Grecian traveller. In confirmation, we may refer to its position in the centre of an extensive platform constructed in the front of that edifice, which thus seems to include it amongst the appendages of the great temple.

This connection, and why this building should form part of the general design, is explained by the circumstance that the Greeks regarded Diana as the daughter of Ceres, and not of Latona.†

This temple is the more interesting, inasmuch as it is the only variety which has yet been described of that species which the Greeks, according to Vitruvius, denominated *ναος εν παραστασι*; that is, presenting in its fronts two columns interposed between the antæ terminating the flank walls of the cella.

These were the most simple of the forms which the early temples of Greece were made to assume. The Greek tragedian alludes to one of similar construction in the dialogue between Pylades and Orestes, where the latter is instructed by what means he may obtain access to the sanctuary and carry off the statue of the goddess: he is directed to let himself down into the interior, where the openings between the triglyphs afforded admission.

Ὅρα δὲ γ' εἶσω, τριγλύφων ὅποι κενόν,

Δέμας καθεῖναι.

Eurip. Iphig. in Taur. 116.

\* Thus the Mercury near the Propylæa of the Athenian Acropolis was termed *Propylæus*. Pausan. i. 22. And that near the gate of the Agora, *Agoræus*. Ib. i. 15. ii. 9.

† Pausan. viii. 37. Herod. ii. 156.

It was only in temples of this description that admission into the interior could be obtained through the void spaces between the triglyphs.\*

In the Doric buildings with which we have hitherto been made acquainted, the roof terminates in a *stillicidium*, or dripping eaves; but in the present instance the sima, or upper molding of the pediment-cornice, is continued along the flanks, and a channel is hollowed in it for the purpose of collecting the rain which fell upon the roof. On this member of the building lions heads are sculptured in bold relief, through the perforations of which the water effected its escape.

Little more than the foundations of this building remained in place: two cottages occupied its site. The ground was removed around it down to the level of the great pavement, by which means the plan was clearly ascertained; and from the portions of almost every part, which the excavations brought to light, the particulars of the entire building were made out. The shafts of the columns were single blocks. The whole of the building, excepting the tiles of the roof, which were made of baked clay, was constructed with Pentelic marble.

## PLATE I.

### PLAN OF THE TEMPLE.

The temple was raised upon five steps; there was indeed a sixth, if the elevation of an inch all around may be termed a step. This was probably intended to be worked away with a gentle inclination from the temple when all was completed. None of the buildings of Eleusis were wholly finished.

The dotted lines shew the marble pannels of the lacunaria, some of which were found near the front.

\* Mr. Blomfield suggests a very ingenious correction of this passage, which he imagines is objectionable. For γ' εἶσω he proposes to read γείσα, which he translates *parapets*. There is nothing however in Grecian architecture at all answering to our meaning of the word parapet. Γείσον, in the Athenian Inscription, which is almost wholly architectural, alludes to the projecting cornice of the building. That it has this meaning is placed beyond a doubt, for we have there the word γείσα, not only alluding to the cornice in the flanks, but in another passage, γείσα ἐπὶ τοὺς αἰετοὺς—the cornice upon the pediments.

From this passage of Euripides, it is clear that in his time the Greeks did not close the intervals between the triglyphs; these, we are inclined to think, in opposition to the assertion of Vitruvius, were termed *opæ*, from the circumstance that they were at first open. The term *metopæ*, may have been given by the Greeks to the tablets which afterwards closed them; although not for the reason he assigns, "Ita quod inter duas opas est intertignium, id metopa apud eos nominatum." (iv. c. 2.) but because they filled the void space of the *opæ*. A preceding passage of the author shows indeed that the spaces between the triglyphs were anciently termed *opæ*. "Ita divisiones tignarum tectæ, triglyphorum dispositione et *oparum*, locum habere in Doricis operibus cœperant." The words *et oparum*, which in some of the MSS. are written *apharum*, are retained in the princeps editio of Sulpitius, but are altered by subsequent editors to *intertignium!* because of the evident discord between this and the subsequent passage. It is to be observed that we have no other authority than that of Vitruvius for this application of the word *metopæ*.



## PLATE II.

## ELEVATION OF THE TEMPLE.

## PLATE III.

## FLANK OF THE TEMPLE.

The lower course of the walls was deeper than the others, and projected a little beyond the general line of their face. The sima was in equal lengths, each block being the width of two tiles, and ornamented with two lions heads of bold projection. The alternate joint-tiles terminated at the ridge and eaves with a flowered ornament.

## PLATE IV.

## ORDER OF THE ANTÆ.

It is necessary to observe that the engraver has failed in giving the spirit of the original to the lions heads upon the cymatium.

## PLATE V.

## SECTION THROUGH THE ENTABLATURE IN FRONT.

The courses which back the epistylum and frize are given from conjecture. The two rows of tiles adjoining the pediments, were worked in the blocks which formed the cornice above the tympanum.

## PLATE VI.

## SECTION THROUGH THE PORTICO.

The opening of the door-way is given from conjecture, as is the timber frame-work of the roof. The section through the entablature shews the raking top-bed of the cornice, which served the purpose of a lower course of tiles.

The dwarf wall terminating the great pavement is shewn on the right. A gutter or channel for the conveyance of water was constructed along the exterior face.

### PLATE VII.

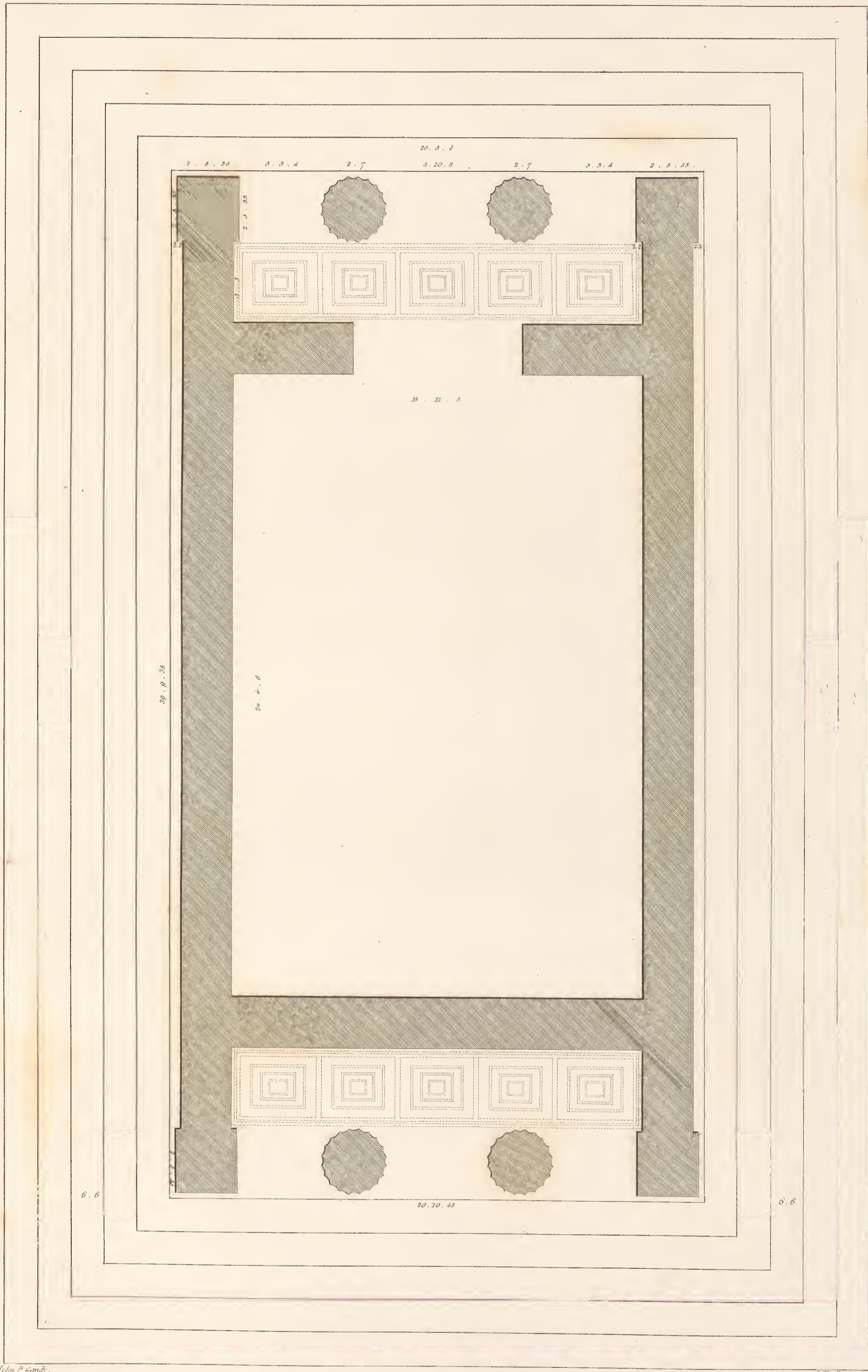
#### PLAN OF THE ROOF.

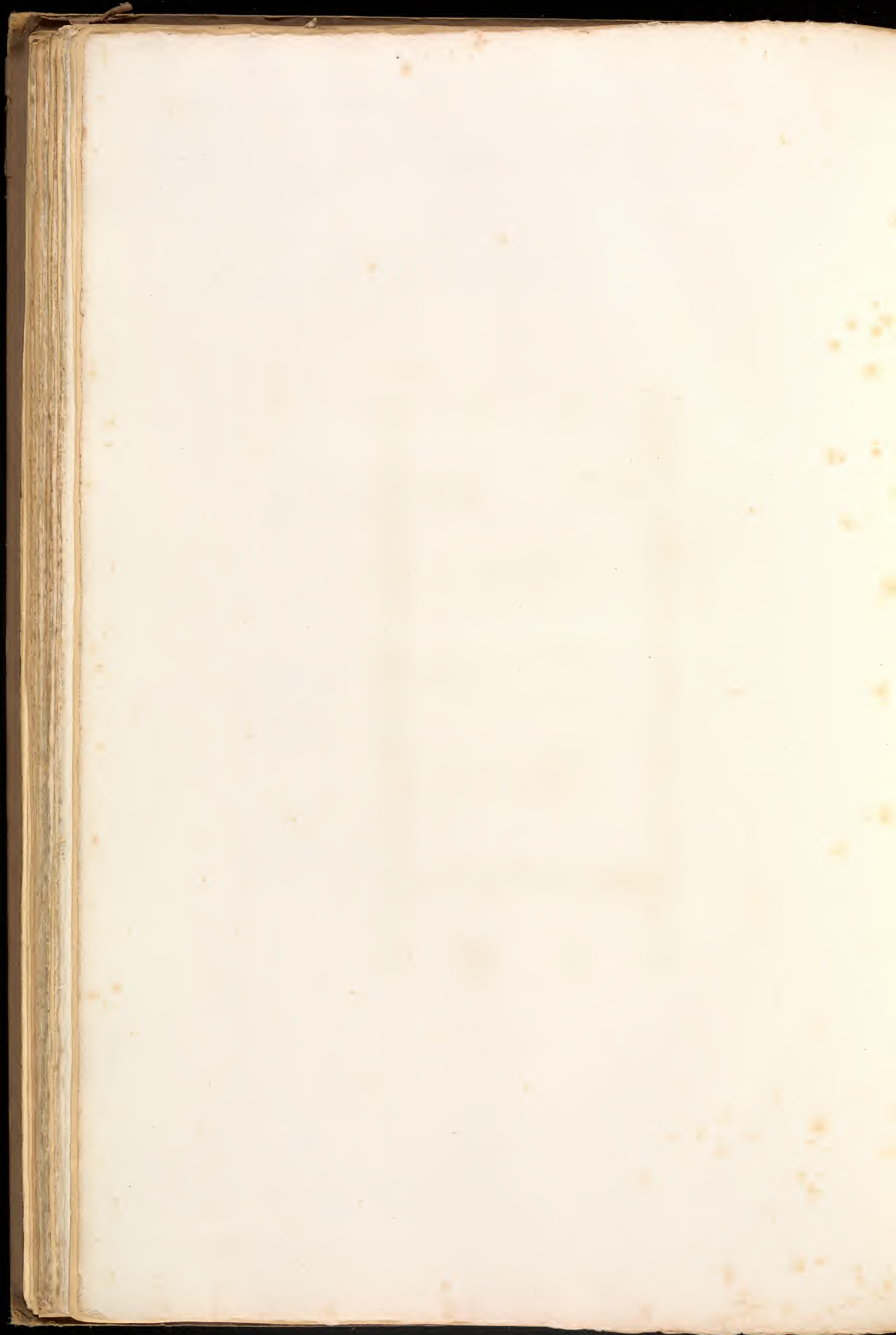
One half of the plan shows the marble tiles of the roof without the narrow joint-tiles. The top-bed of the cornice, in blocks twice the length of the tiles, was saddled at the joints, and constituted the lower course. In the centre of the upper surface of these a check or stop was formed, to which the joint-tiles, ending with a flowered ornament, were cramped. Every block had two perforations through which the water falling upon the roof escaped.

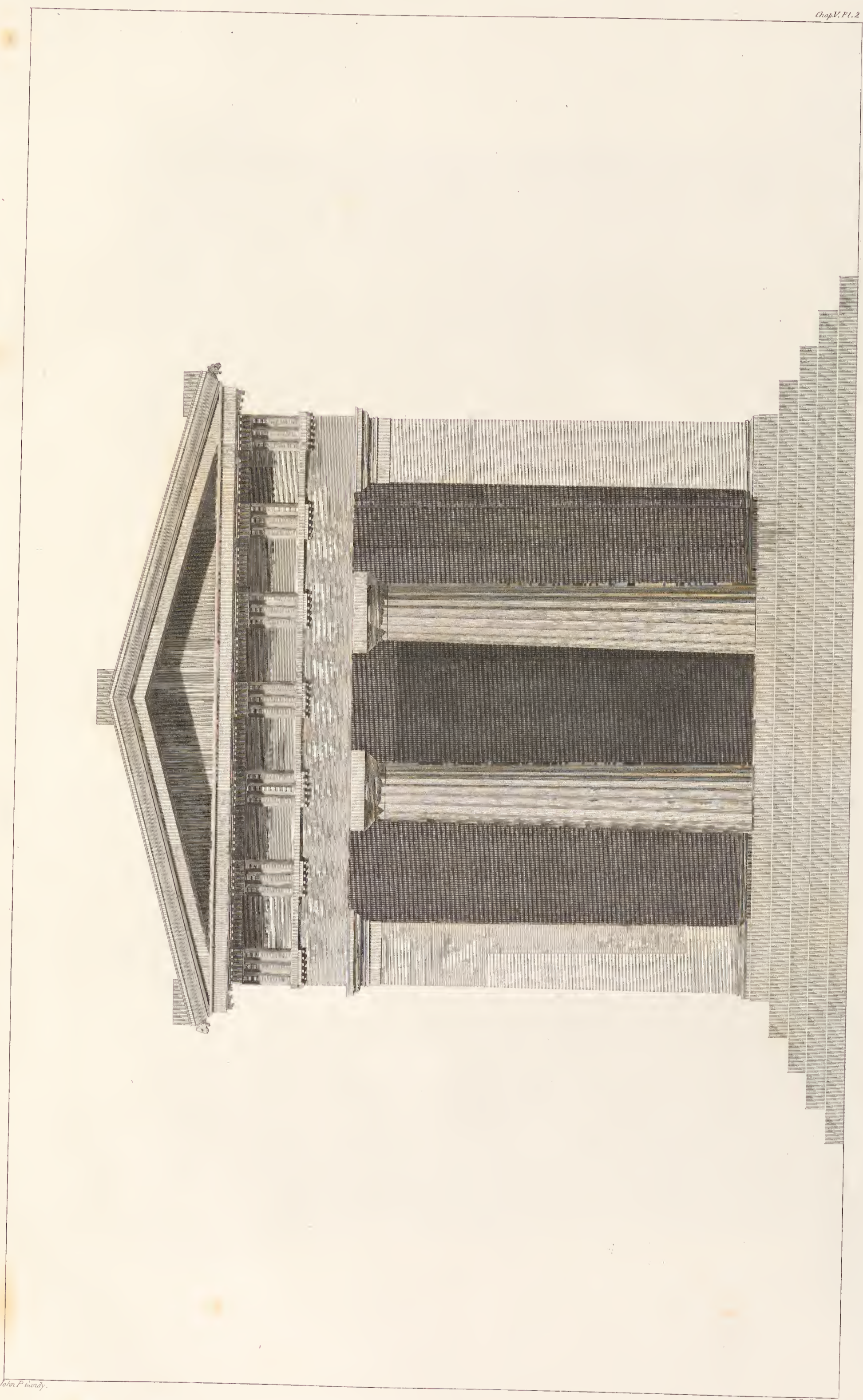
### PLATE VIII.

#### DETAILS OF THE BUILDING.

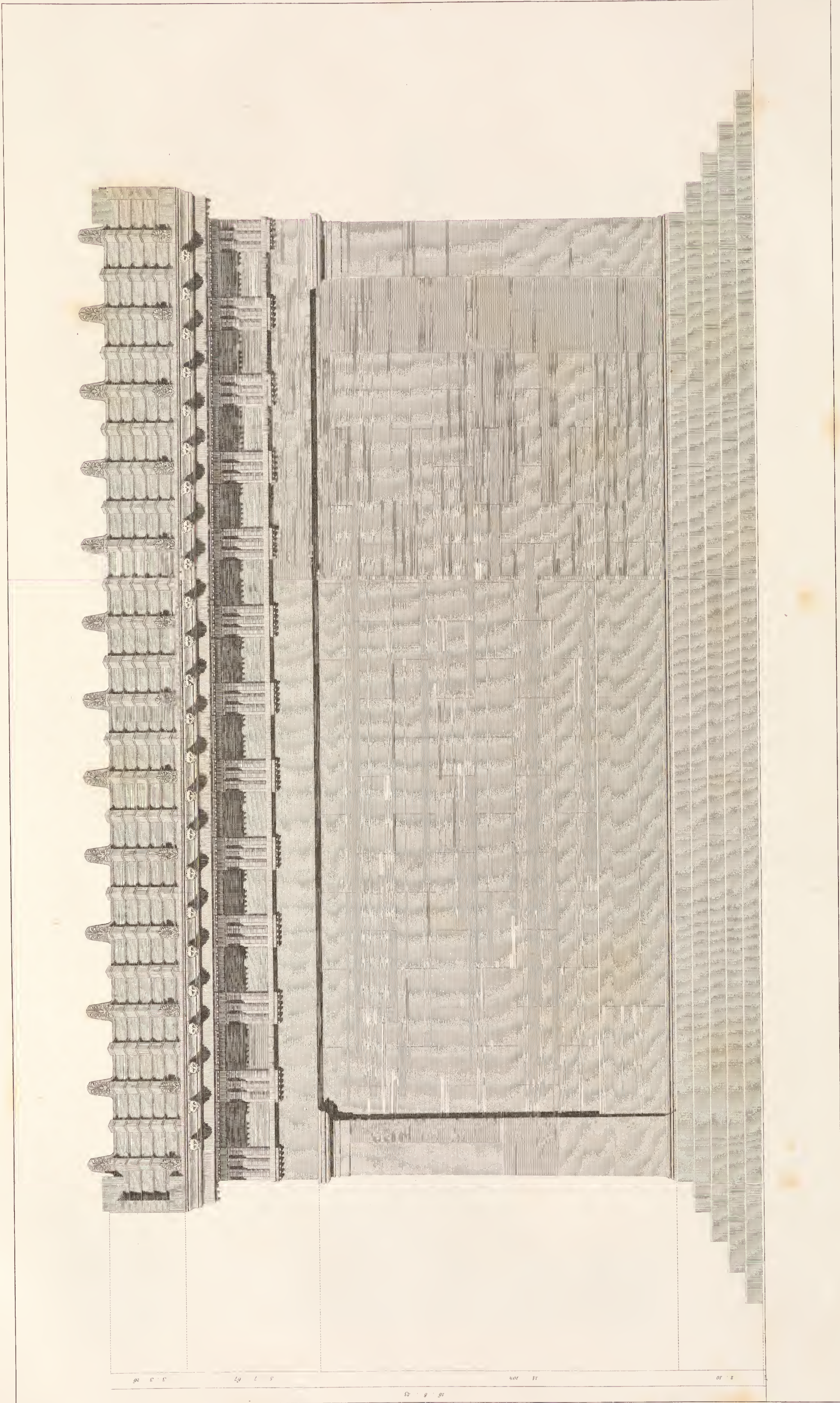
- A. Section through the cornice above the tympanum of the pediment.
- B. Section of the cornice along the flanks.
- C. The end of one of the joint-tiles at the eaves, or gutter.
- D. The same viewed sideways.
- E. The under surface of one of the flat tiles, showing the manner in which it was undercut where it overlapped the tile next below it.
- F. The upper surface of the same.
- G. Profile of the capital, half the size of the original.
- H. Plan of one of the flutings of the columns, at the top of the shaft, the full size.
- I. Section through the capital of one of the antæ, one-fourth the size of the original.
- K. Section through the base of the same.
- L. Plan of the pannels of the lacunaria.

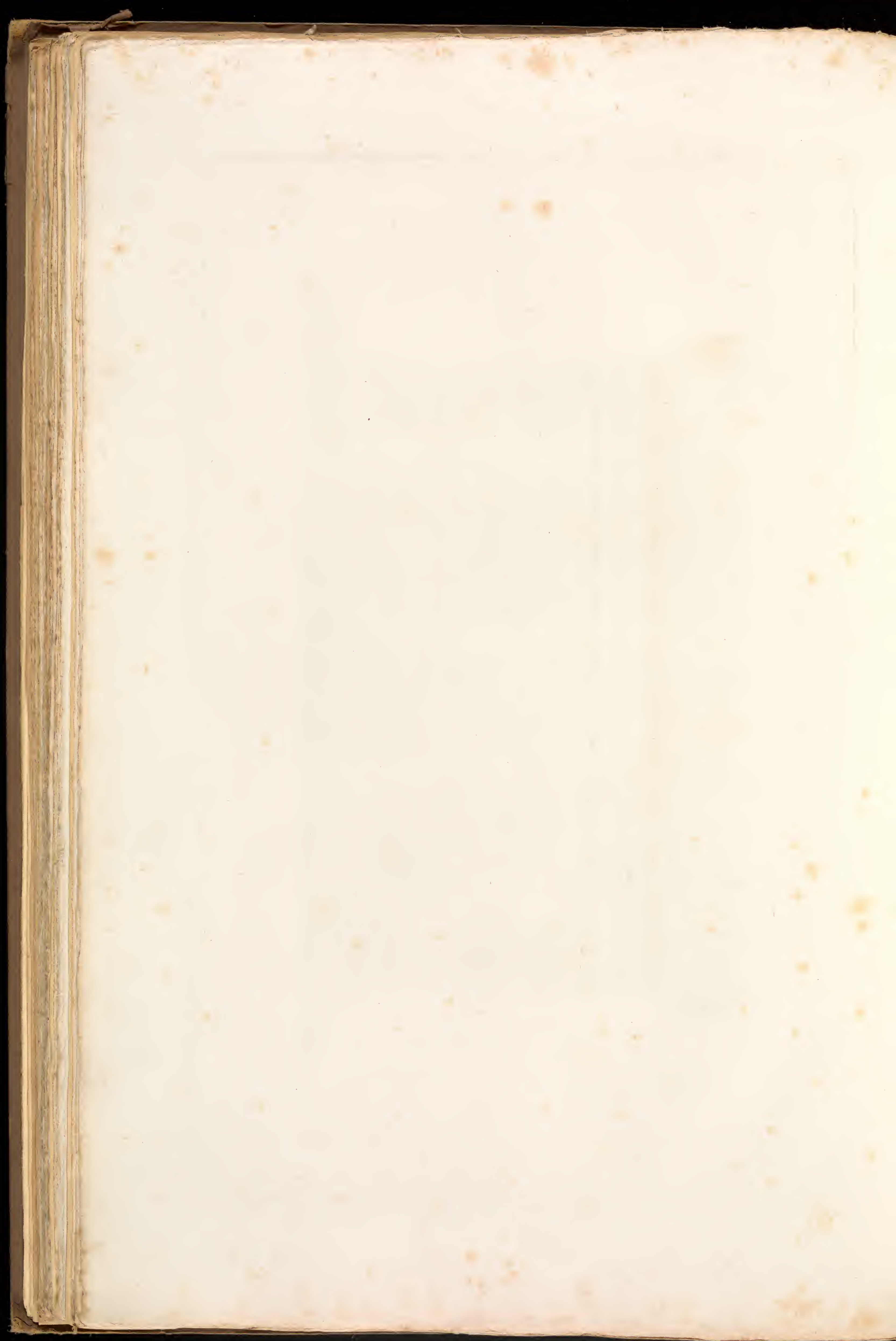




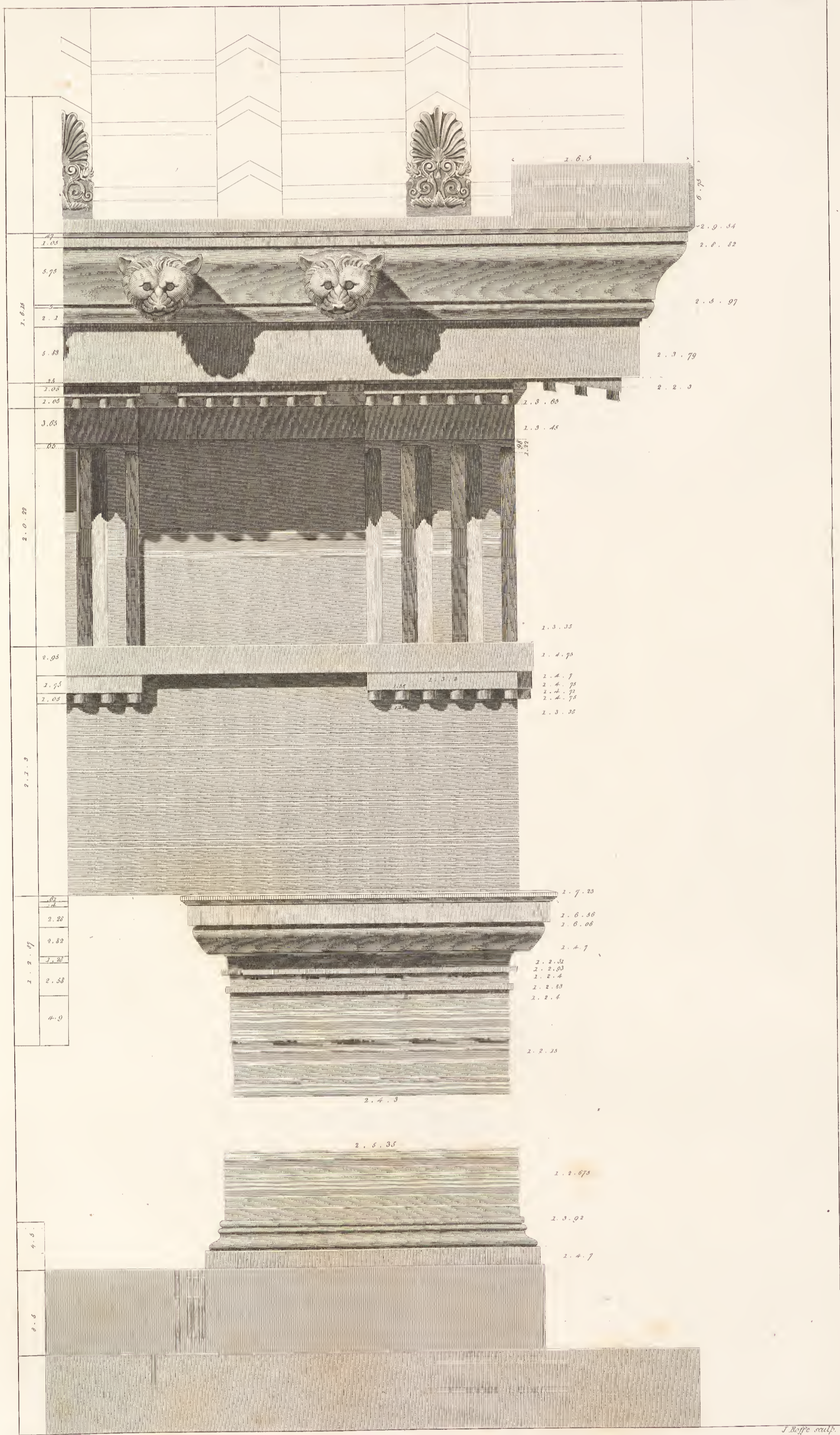




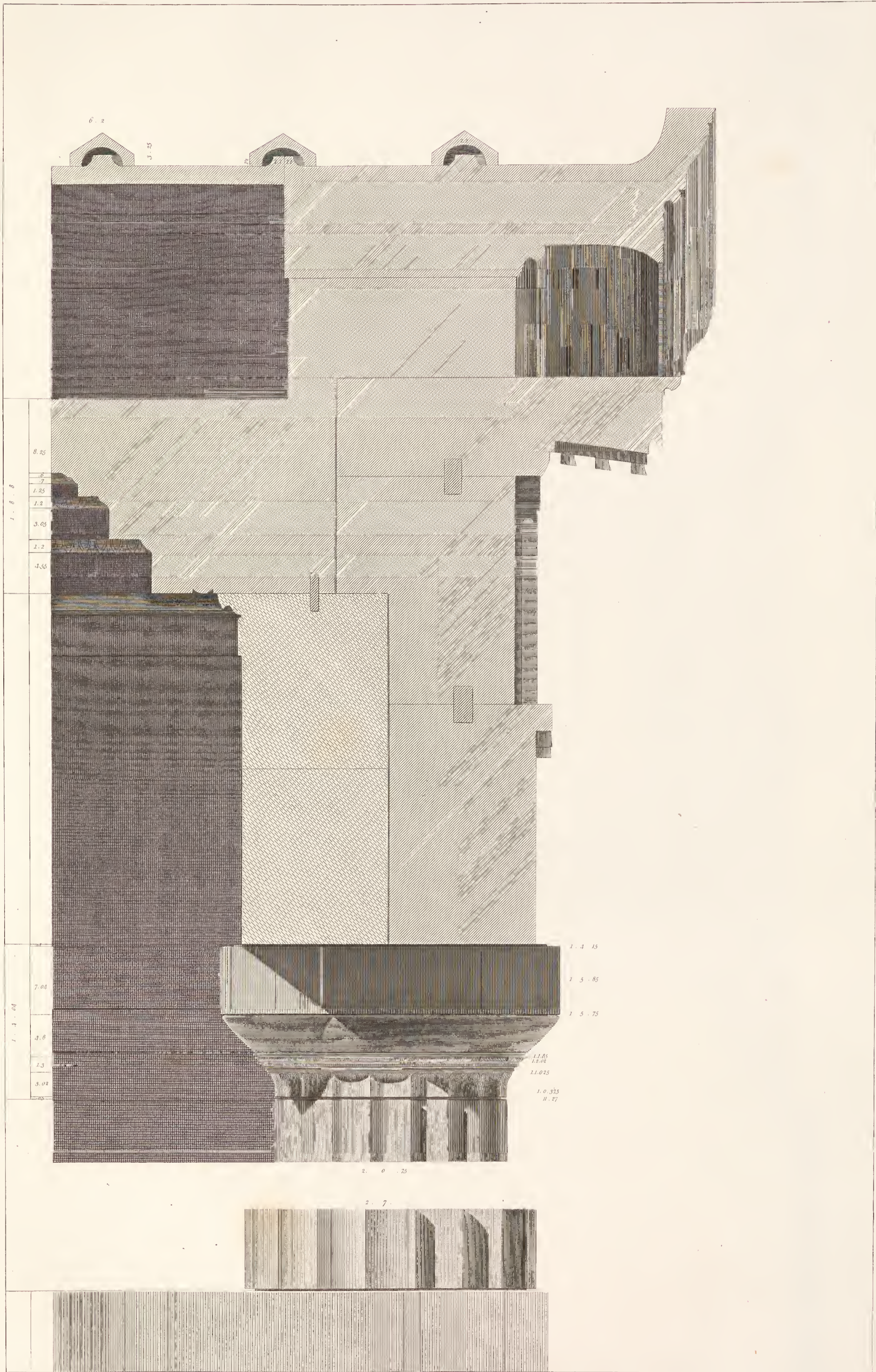


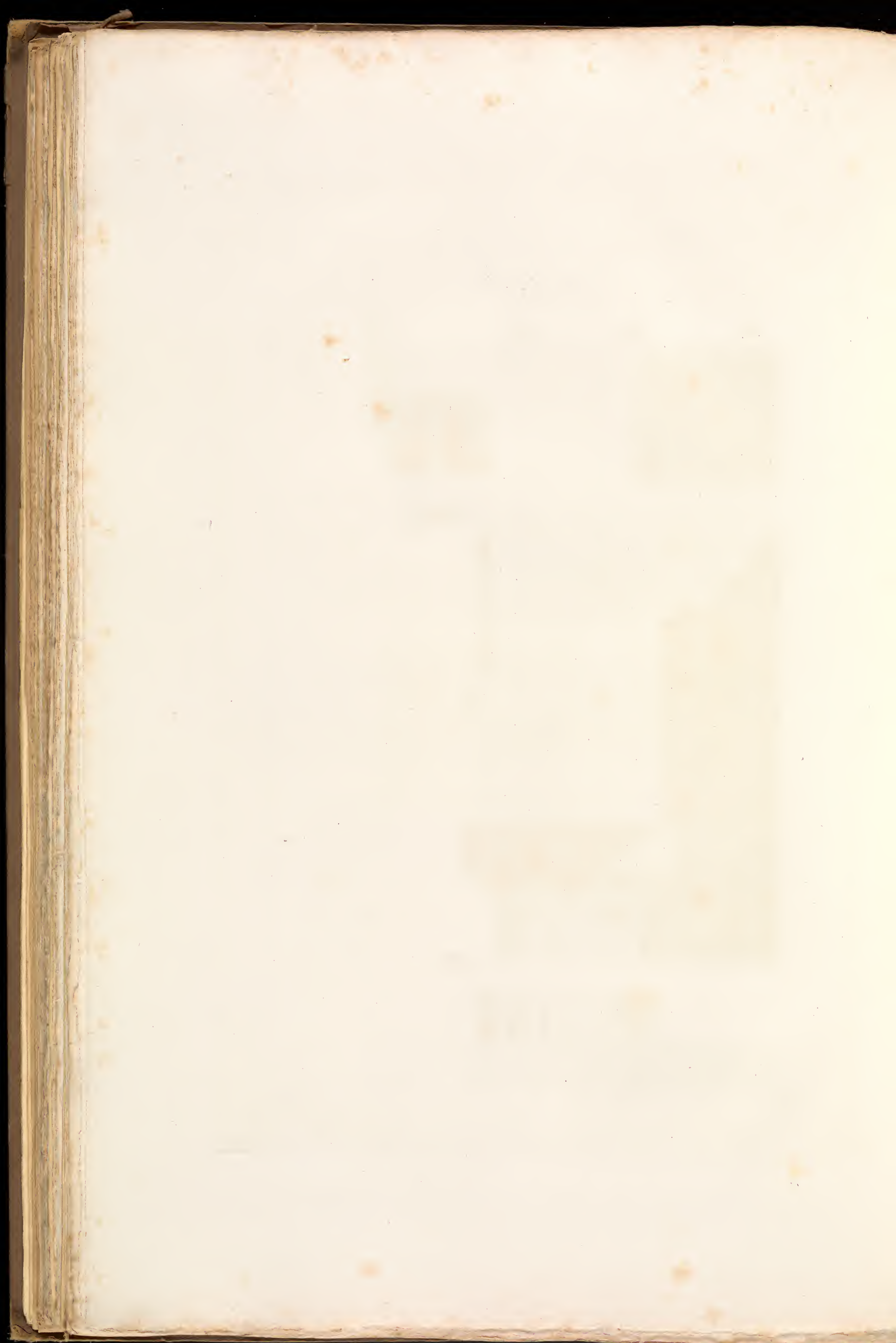


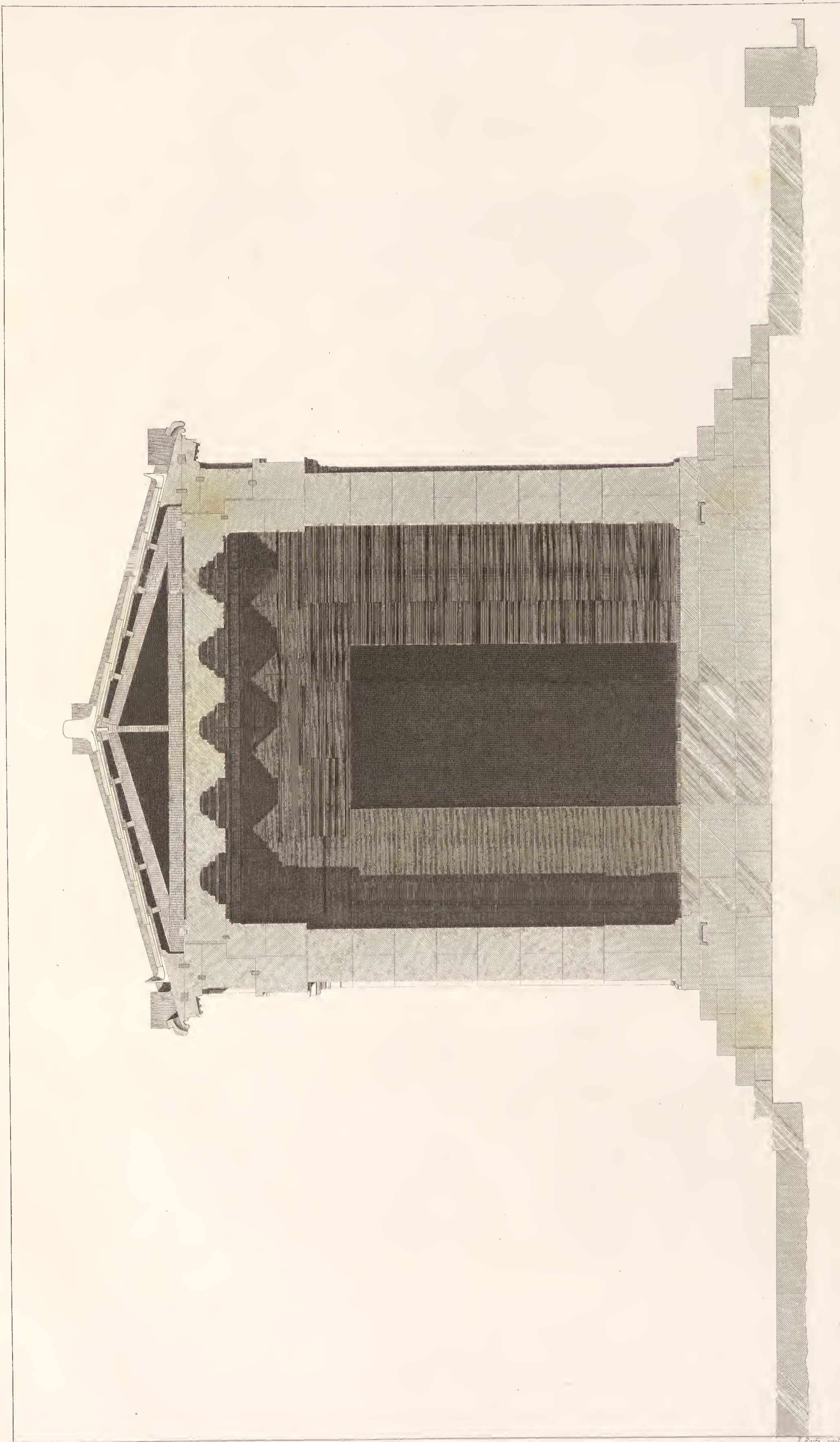




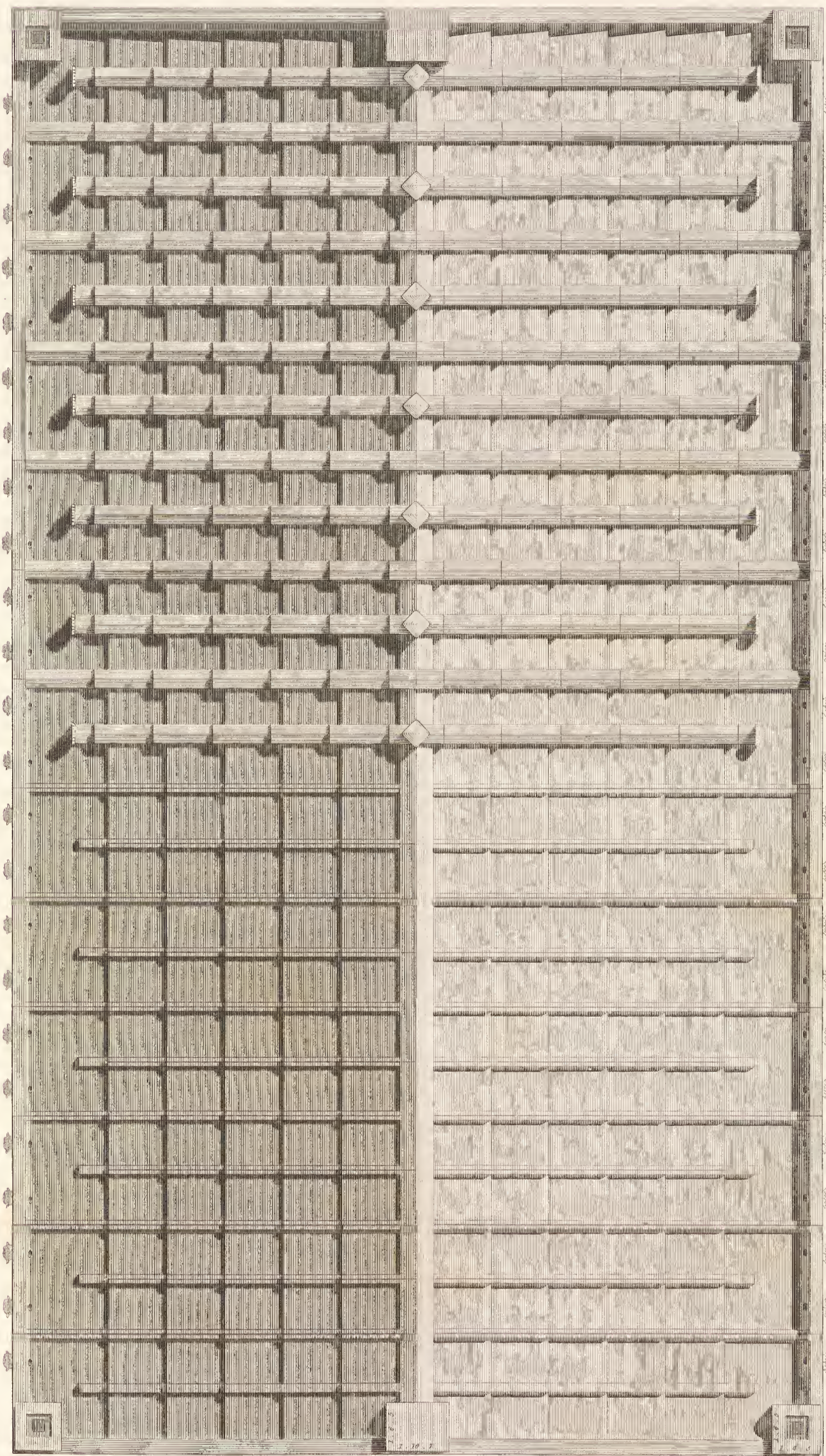


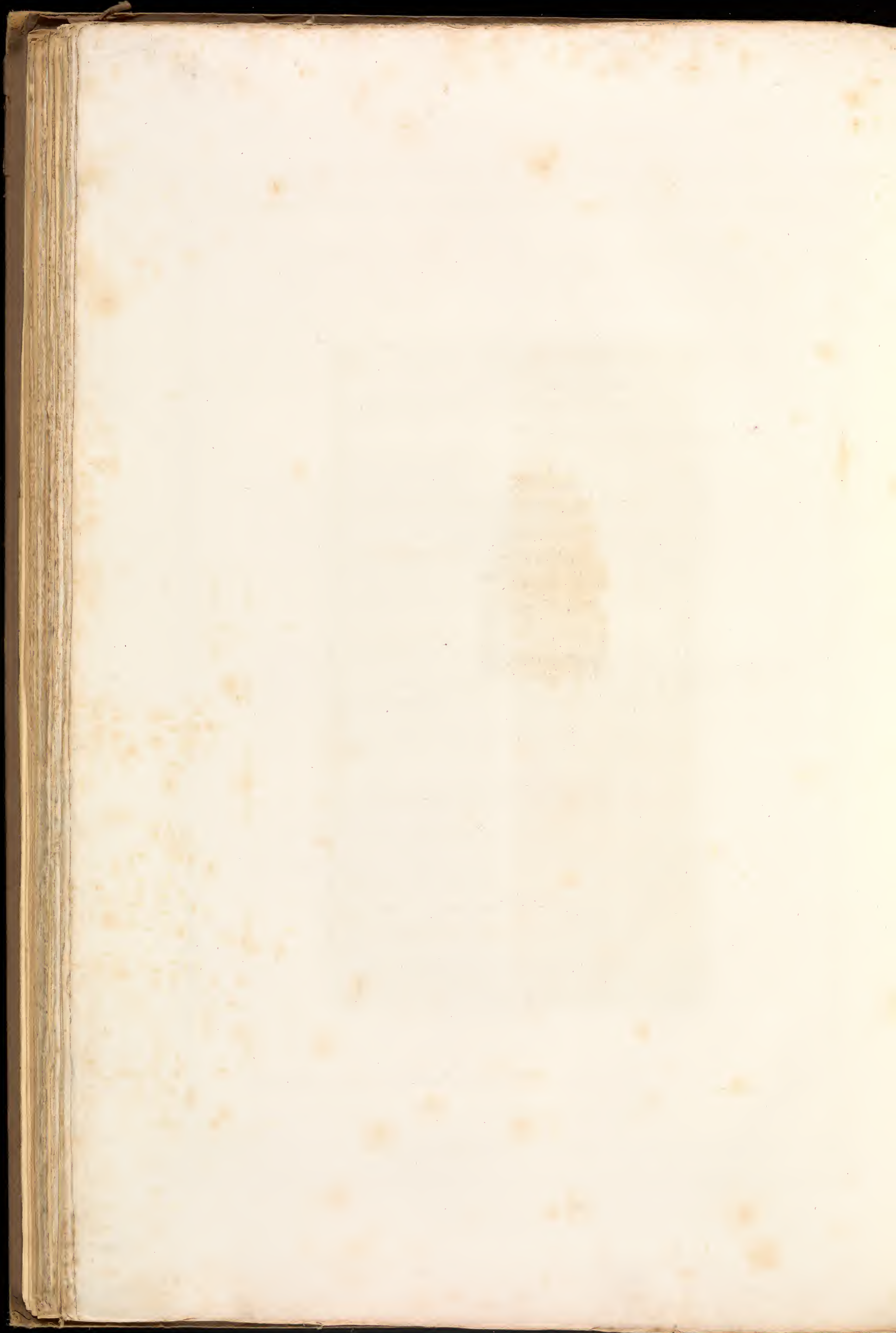


















## RHAMNUS.

## CHAPTER VI.

## TEMPLE OF NEMESIS.

RHAMNUS, one of the demi of Attica, was sixty stadia distant from Marathon, going hence along the coast towards Oropus. The habitations were situated along the shore; and a little above the town was the *hieron*, or sacred inclosure of Nemesis.\*

At the distance of seven miles from the mouth of the river of Marathon, in a north-easterly direction along the western coast of the channel of Euboea, a ridge of mount Pentelicus, ending abruptly towards the sea, leaves a simicircular area between its foot and the beach. In the middle of this plain, on an insulated rock, steep towards the north and west, and accessible by a gradual slope on the south-east side, the ancient citadel of Rhamnus was built. The site of the town around the foot of the approach is still distinguished by the remains of the dwellings.

The citadel, where it was accessible, was protected by walls of white marble, which still remain to a considerable extent, with their towers and the gate of approach. Within their circuit there are many foundations of buildings, and some wells sunk in the rock; one of which is still sixty feet in depth. The modern name of the citadel is *Ourio*, or *Stauro, Castro*.

The direct road from Marathon passes the village of Souli, situated near the foot of the mountain forming the north-eastern boundary of the plain. Midway between the two villages, a marsh intersects the plain, where, it is conjectured, the routed Persians perished, who attempted to escape by flight on the memorable day of the battle of Marathon. About three miles and a half beyond

\* Pausan. i. 23.

the village, a deep glen, descending rapidly towards the sea, affords the only approach to Rhamnus. At the entrance of this ravine stands the sacred inclosure of Nemesis, elevated about three hundred feet above the level of the sea; within the peribolus of which very considerable remains of two temples were discovered.

A terrace, one hundred and fifty feet in width, part of the sacred inclosure, still remains; it faces the sea. The walls supporting it are of white marble, the blocks in horizontal courses but not jointed in vertical lines. The whole district of Rhamnus has been long abandoned.

The *hieron* of Nemesis contained within its inclosure two temples, the principal one hexastyle peripteral, and the smaller a temple *in antis*. Although, for the sake of distinction, we have called the latter the temple of Themis, we have no authority for the appellation. One of the marble chairs within its pronaos, is indeed dedicated to Themis, as the inscription engraved upon it clearly proves; but the corresponding one bears a similar proof of its dedication to Nemesis. It can scarcely be doubted but that the larger and more costly temple was erected to the divinity to whom the whole inclosure was sacred, and it would be of little importance to ascertain any thing beyond this, but from a conclusion that may perhaps follow illustrative of a circumstance connected with Grecian history. The smaller temple, which is of much earlier construction, was probably the ancient temple of the Goddess; which having shared the fate of other sacred edifices after falling into the hands of the Persians, was left to decay; the Athenians permitting no temple that had been ruined by the barbarians to be repaired; but suffered them to remain in the half-burned state in which they left them.\* This supposition will account for the total disregard of symmetry in the positions of the two buildings: the projectors seem to have looked forward to a period when the expected decay of the ruined temple should leave the beautiful successor unincumbered and insulated.

Plutarch relates that Pericles procured a decree of the people inviting the several states of Greece to send deputies to Athens, who should ascertain what vows had remained unaccomplished, and to consider the best means of rebuilding the temples which had been injured during the period of the Persian invasion. Although this attempt failed, the object, as far as it concerned the Athenians, was carried into effect. The temples of Athens and Eleusis were projected and executed. The Parthenon was erected whilst the remains of the Hecatompedon† were yet standing.

The total rebuilding of all the temples ruined by the Persians must have been a work of considerable time. The Erechtheum was not begun until near the termination of the Peloponnesian war: and the temples in the towns dependent upon Athens would in all probability be rebuilt

\* Ἐλλήνων δὲ τοῖς ἀντιστάσει τῶν βαρβάρων τὰ κατακαυθέντα ἱερά μὴ ἀνιστάναι σφίσι ἐδοξεν . . . . . καὶ οἱ ἐπὶ φαληρῶ τῆς Δήμητρος καὶ κατ' ἐμὲ ἐτι ἡμίκαυτοι μένουσι. Paus. x. 35.

† It was this temple which was accidentally burned as we learn from Xenophon, who calls it the old temple of Minerva.— ὁ παλαιὸς τοῦ τῆς Ἀθηνᾶς. i. 6.

soon after those of the capital had been completed, so that the temple of Nemesis may be regarded as a work of one of the best ages of Greece.

This temple affords an example of the practice amongst the Greeks of painting with red the moldings of the cornice. The cymatium all around has been thus ornamented. Where the colour has been applied the parts are prominent, the corrosion of the surface being, by this measure, prevented.\* The outline appears to have been first traced with a sharp instrument, while the marble was soft. In the moldings which were less exposed to the action of the atmosphere, the outline remains deeply engraven.

The neighbouring mountains produce abundance of marble similar to that employed in the buildings of the Athenian Acropolis. Of this beautiful material, the larger temple was wholly constructed, as were the walls of the peribolus, and the military remains of the citadel. The rock, distant about twenty yards from the temple, still exhibits the marks of the tools employed in quarrying.

Pausanias reports that when the Persians invaded Attica, confident of success, they brought with them a block of Parian marble for the purpose of forming a trophy of their anticipated conquest. Of this block Phidias, he says, made the statue of Nemesis for the temple at Rhamnus.† Within the area of the temple fragments of the statue were found, and amongst them the head; many sculptured fragments of small figures were likewise dug up, which are conjectured to have belonged to the base or pedestal of the principal statue. The goddess was represented crowned with a diadem, on which stags were sculptured, and a small figure of Victory. The part of the head found amongst the ruins was pierced with holes, for the purpose of affixing to it these ornaments, which were probably of metal.

The story of the statue, which Pausanias details from report, six hundred years after the battle of Marathon, was probably one of the many fables attached to Grecian history. It is certain that the marble of the statue is not Parian but Pentelican, like the blocks of the buildings. Other writers relate that the statue was the work of Agoracritus, a pupil of Phidias, and omit altogether the circumstances detailed by Pausanias.‡

Near the eastern front of the temple a small headless statue of a female was found; the sculpture of an early period; it was probably one of a groupe belonging to the pediment. The whole area of the peribolus was strewn with fragments of sculpture, portions of statues the size of life.

\* A solution of dragon's blood, applied with a pencil to white marble, penetrates deeply, and the outline traced remains perfect, as the colour does not spread. This solution is found to harden the marble to such a degree, that if a piece partially stained be exposed to the action of a powerful acid, so that the surface is eaten away to a considerable depth, the tinted part will stand out beyond the rest.

† Pausan. i. 23.

‡ Hesych. in v. 'Ραμνονσίαν. Plin. xxxvi. 5.

The two buildings within the peribolus were placed without any regard to symmetrical arrangement. The angle of one building is made to approach so near to the flank of the other as to prevent a passage between them. This proximity gives to the ruins the appearance of being parts of one building; and before the visit of the artists of the mission they had always been so considered.

### PLATE I.

#### PLAN OF THE TEMPLE.

The parts distinguished by the darker tint are those remaining in place.

The species of the temple was hexastyle peripteral, having twelve columns in the flanks, a departure from the principle which Vitruvius asserts to have guided the Greeks in determining the number of the columns in the flanks from that in the fronts. In the generality of temples of this description, the antæ terminating the flank walls of the cella are placed at a lesser distance asunder than the opposite columns in the front. The present is the only instance known in which they are made to range with them.

The lower portions of the shafts of seven columns in the south side, and one in the pronaos remained in their original situations; the rest had been displaced, but the steps are entire all around, and the positions of the prostrate columns are perfectly discernible. There was a joint in the upper step, or pavement, immediately in the line of the axis of each column, and a square shallow sinking for the reception of the shaft.

There appears to have been a kind of railing between the columns of the pronaos; the holes sunk in the pavement for the purpose of fixing it remain: there were holes sunk in the shafts of the columns and antæ likewise for the same purpose.

A. The only part of the pavement remaining in its place: the plug-holes deeply sunk in it were, perhaps, for the reception of the barrier placed for the protection of the statue.

### PLATE II.

#### ELEVATION OF THE PRINCIPAL FRONT.

The aspect of the temple was  $15^{\circ}$  to the south of east. The shafts of the columns, like those of the temple of Ceres, already described, were fluted only at the top and bottom. They were in five pieces.

The chimærae on the acroteria, at the points of the pediment, were found in front of the temple. In the upper members of the cornice an ornament appears to have been carved, but so slightly as almost to have escaped observation: the raised part is painted. The member thus ornamented was continued along the flanks, and in the cornice of the pediments.

### PLATE III.

#### SECTION SHEWING THE PRONAOS OF THE TEMPLE.

The columns of the pronaos were fluted in front; behind they were planed; the flutings are eleven, and the planes nine in number.

The epistylia were continued from the antæ, across the ambulatory, to the opposite columns in the flanks. In the posticum, the epistylia returned at the angles along the flank walls of the cella. The metopæ were omitted in the frize, but the guttæ retained in the epistylia. All the members of the cornice were painted or gilt; among the ornaments introduced is the lotus, resembling the sculptured molding in the capitals of the antæ, and along the flank walls of the Eretheum at Athens: and the meander, nearly similar to that carved in the interior frize of the temple of Theseus. Portions of every part of the superstructure were lying amongst the ruins, and permitted a complete restoration of the ceiling and roof.

### PLATE IV.

#### ORDER OF THE COLUMNS.

The sima, or upper molding of the pediment-cornice, is continued along the flanks: the gutter was formed behind it, and the water falling upon the roof discharged through the lions heads; which have a bold projection.

### PLATE V.

#### SECTION THROUGH THE ORDER.

This section is supposed to be made by a plane passing through the flank walls of the cella, beyond the return of the antæ: the back part therefore of the entablature, extending from the antæ to the opposite columns of the flanks across the ambulatory, presents itself.

The epistylia were in two thicknesses firmly cramped on the top surface, and connected with plugs to the frize. The cornice was in one block in width plugged to the frize. From the size of the plug-holes sunk in the frusta of the shaft it is probable that they were connected by means of wooden pins let into sockets of the same material, similar to those used in the columns of the Propylæa at Athens.

## PLATE VI.

### DETAILS OF THE BUILDING.

The profile of the capitals is here shewn to a large scale. The opposite figure on the right is the capital of the antæ, shewing the enrichments, the upper of which was merely an outline, deeply traced with a point. The echinus was sculptured. Below is the section of one of the flutings, taken at the bottom of the shaft, the size of the original.

The ovalo in the pannels of the lacunaria were painted: the green colour is in some places still visible. The star-like figure appears to have been gold upon a ground of blue.

## PLATE VII.

### DETAILS OF THE SUPERSTRUCTURE.

- A. Section through the inclined cornice of the pediments. The tiles above it were formed in the blocks which constituted its top-bed. The *harmus*, or tile covering the joints of the flat tiles, was a semi-hexagonal prism hollowed underneath.
- B. Section through the cornice above the columns of the front. The additional thickness given to the cornice in this part seems intended to afford the necessary strength for the support of the sculptures in the pediment above. The facing of the tympana exhibited no traces of cramps, so that the sculpture was wholly supported by the cornice. The statues in the pediments of the Parthenon, in like manner, received no other support than what the cornice afforded.
- C. Representation of the molding, whose section is shewn at G. The relief is so slight, that it was conjectured to have been occasioned by the application of a colour which preserved the surface covered from corrosion.
- D. A length of the *sima* or sloping top-bed of the cornice in the flanks: in this the gutter was formed. These blocks were all of the same length, each equal to the width of two tiles. In the middle, a stop or check was left for the purpose of fixing to it the *harmus*, or narrow tile which covered the meeting-joint of two contiguous flat-tiles in the next superior course. The back of the gutter shews the perforation through which the water escaped.



- E. Plan of the triglyph, at one of the angles of the building, shewing the soffit of the cornice above it.
- F. Section through the edge of the upper step of the temple with a portion of the lower part of the shaft.

## P L A T E   V I I I .

## P L A N   O F   T H E   L A C U N A R I A .

A beam of marble, resting upon the painted cornice, extended from over every column of the flanks to the opposite wall of the cella; there was likewise one in every interval. They supported slabs, of the same material, in which eight square perforations were made; these were each covered with a thin piece in which a pannel was sunk. The oval, or molding of the pannels, was slightly carved and afterwards painted. The whole was strongly fastened together by means of cramps run in with lead.

## P L A T E   I X .

## T H E   F L A N K   O F   T H E   P O S T I C U M .

The epistylia of the posticum were not continued across the ambulatory but returned round the angle. Above the painted cornice the section of the lacunaria is shewn. The marble beams, fourteen inches in width, and more than eight inches in depth, extend from the wall, across the ambulatory, and rest upon the painted cornice running round the interior face of the entablature above the columns of the peristyle. They support marble slabs, four inches in thickness and two feet four in width, extending across in the same direction. These have eight square holes cut through them, and are closed by pieces nine inches square, two inches and a half in thickness, in which the soffit of the pannels is sunk.

## P L A T E   X .

## P L A N   O F   T H E   S U P E R S T R U C T U R E .

The upper part of the plan shews the roof covered with marble tiles.

Half the lower part shews the manner in which the epistylia, A A, are placed, and the method observed in tying them together, with iron cramps, in shape like the letter H drawn out. In each block of the epistylia, excepting those at the angles, there are two holes made for the reception of metal plates, by which the zophorus or frieze was fastened to them.

The other part of the plan shews the beams of the lacunaria, BB, resting upon the top-bed of the blocks forming the cornice, CC.

### PLATE XI.

#### THE NORTH-WEST ANGLE OF THE TEMPLE.

This plate shews the geometrical elevation of the roof as it would appear when all the tiles were fixed. The narrow tiles, extending from the ridge to the gutters, covered the meeting joints of the flat tiles; every superior tile overlapping that next below it: those at the ridge extended down both sides of the roof and were surmounted with a flowered ornament.

The blocks of the sima, excepting those next the angles, were equal in width to two of the flat tiles, and jointed immediately opposite the centre of the alternate narrow tiles. The lions heads of very bold projection, and perforated through to the gutter, were introduced in the sima in the centre of each piece. The blocks forming the cornice were of uniform length, and equal to those of the sima; they were jointed at the extremity of every alternate mutule.

There were three acroteria in each front of the building; one at the apex, and one at each extremity of the pediment.

### PLATE XII.

#### DETAILS OF THE ROOF.

The entire roof was of white marble.

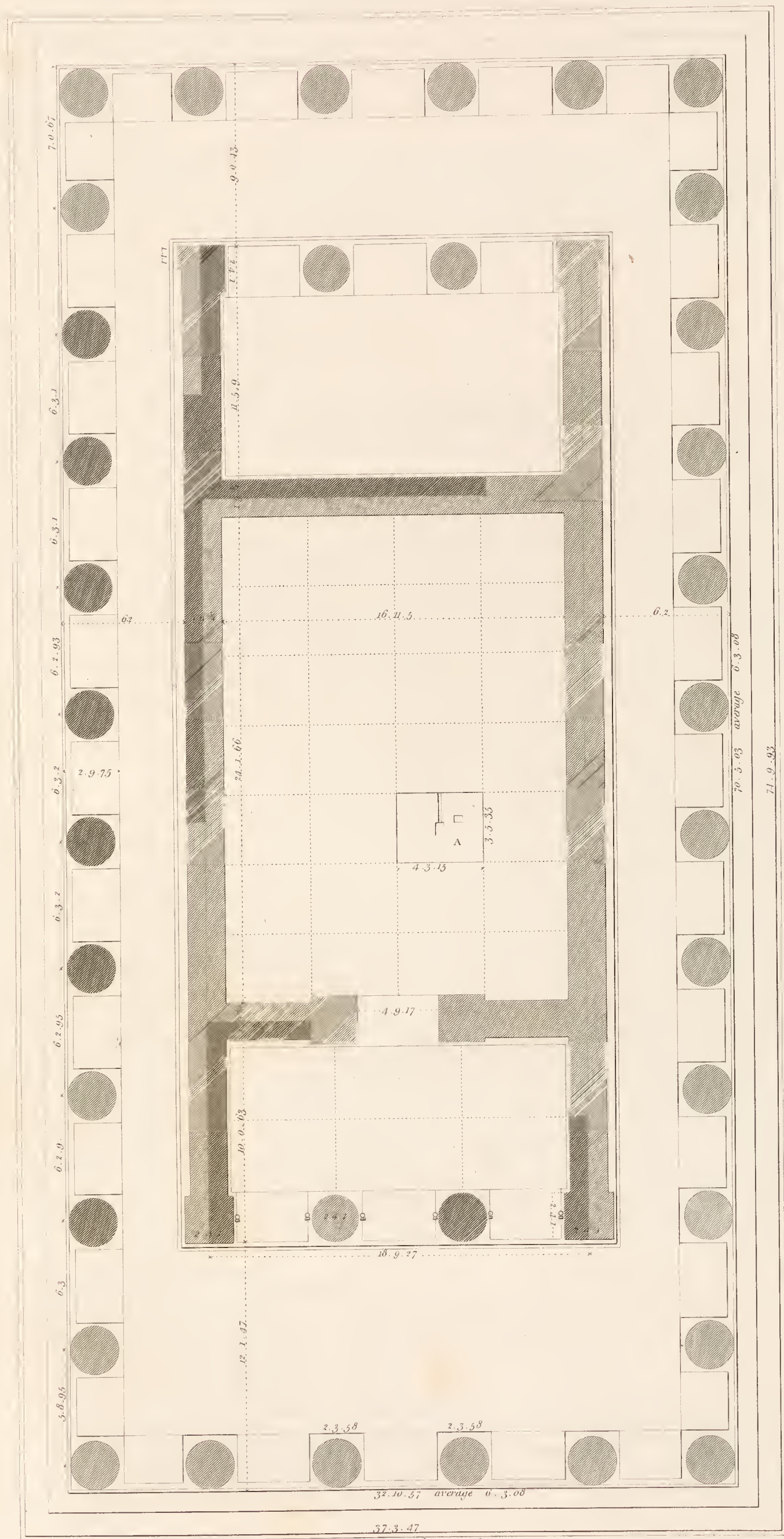
- A. Section of the roof made by a plane passing through it transversely. The narrow tile covering the joint of the ridge tiles is seen in flank: immediately below it is the section of the ridge tiles overlapping the upper course of flat tiles on both sides of the roof. The narrow tile covering the junction of two adjoining flat-tiles, on one side is removed, in order to shew the end of the one next below it, where there was a check or stop to prevent its slipping.
- B. The tiles adjoining the ridge shewn perspectivevely.
- C. Geometrical elevation of the same.
- D. The under surface of one of the narrow tiles.
- E. The under surface of one of the flat tiles; the tile is here represented as if tilted up for the purpose of shewing the check by which it was kept close to the rafter, and prevented from slipping.
- F. The upper surface of the same.

## PLATE XIII.

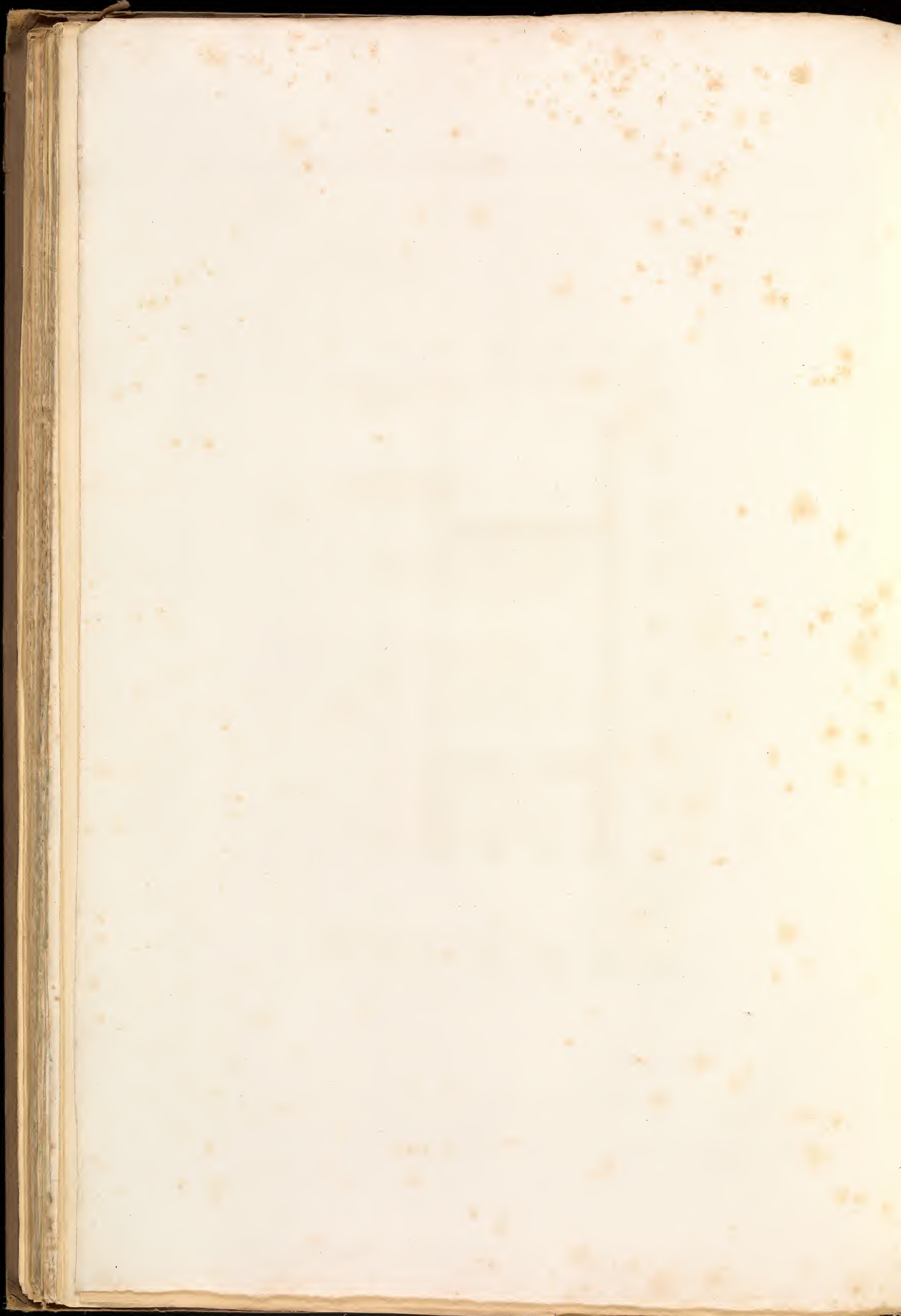
## MISCELLANEOUS DETAILS.

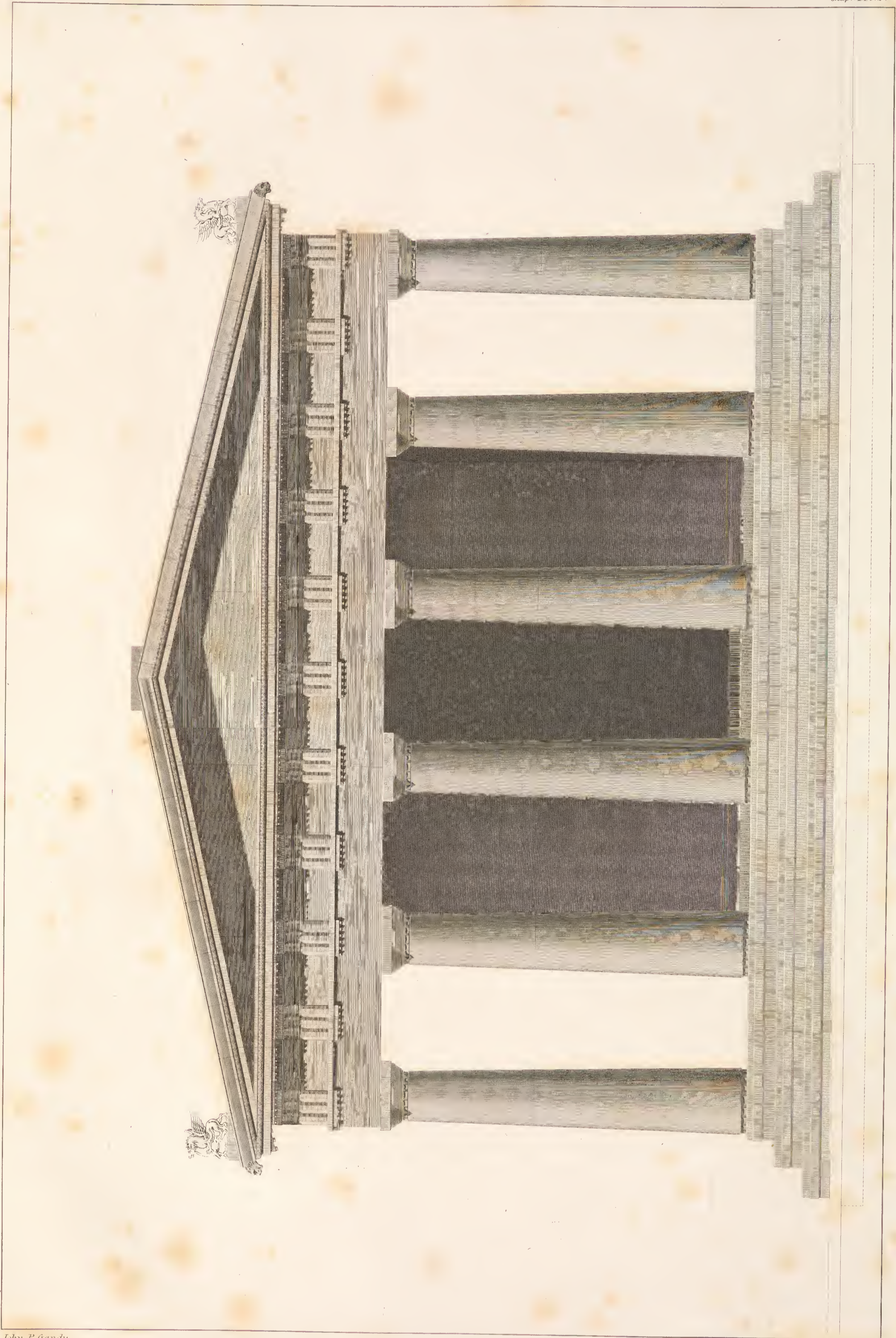
- A. An ornamented molding found within the area of the temple: supposed to have been the capital of the antepagments or door-jambs.
- B. Section of the same.
- C. A base molding likewise found within the cella; it is conjectured to have been the base of the antepagments, and to have been continued around the interior of the cella.
- D. Section of the same.
- E. Section of the upper molding belonging to the cornice in front of the building.
- F. Section of a similar molding belonging to the interior cornice.
- G. The painted molding of the pannels of the lacunaria: traces of green colour were visible upon it.
- H. Molding dug up in the pronaos.
- I. Wall supporting the terrace towards the east. It is constructed with white marble.





37.3.27  
N 15 E. by compass



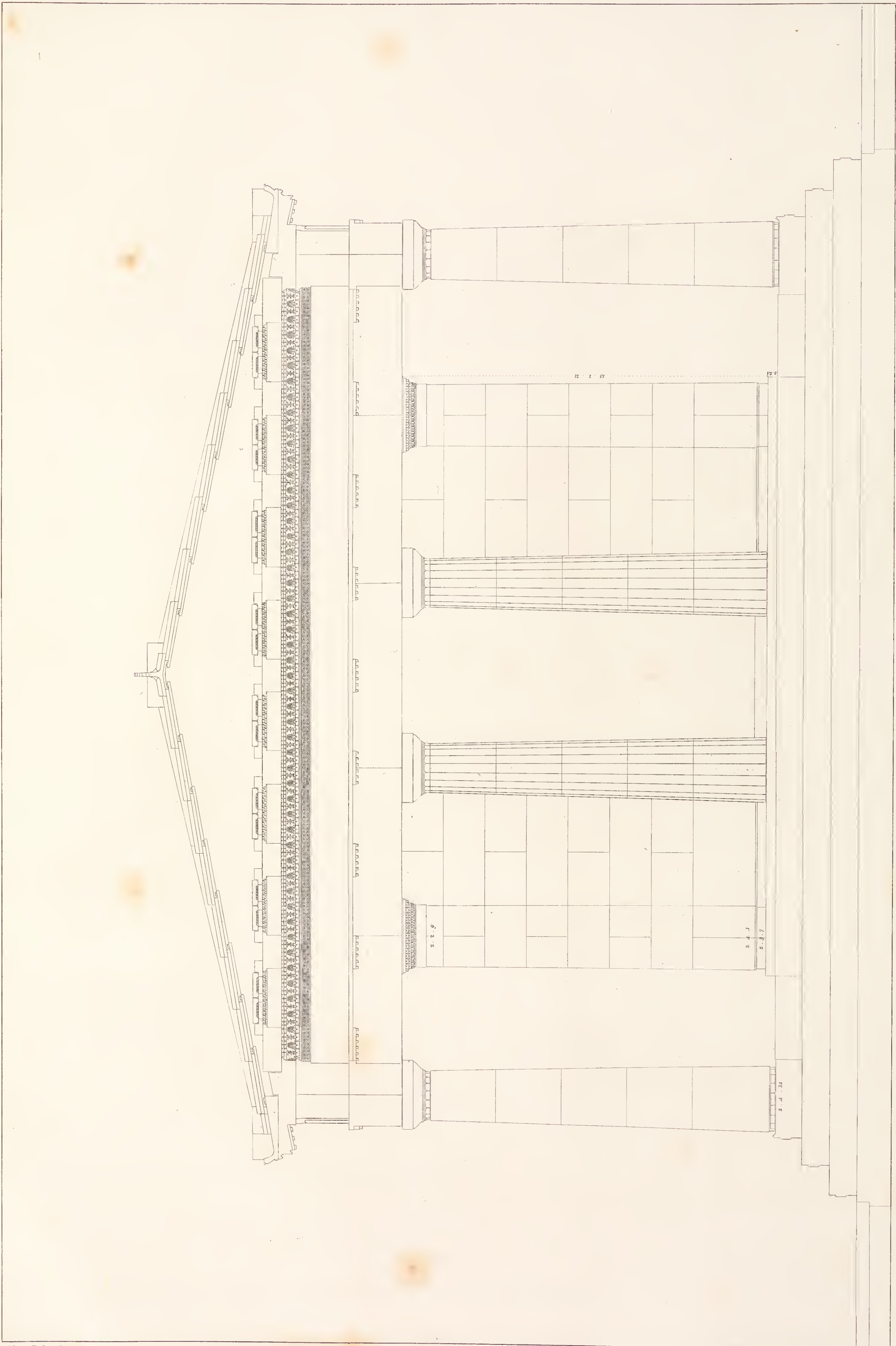


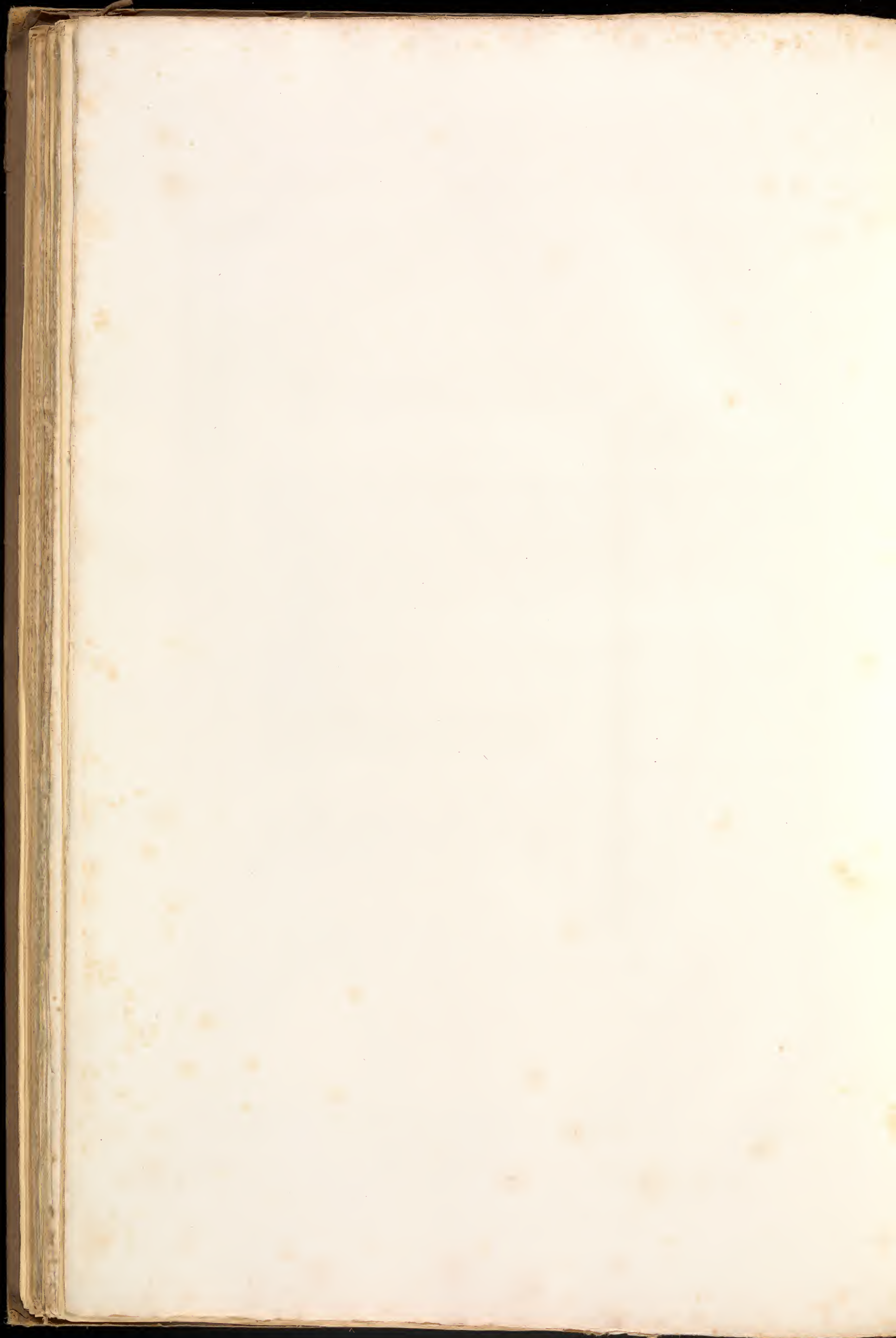
John P. Gandy

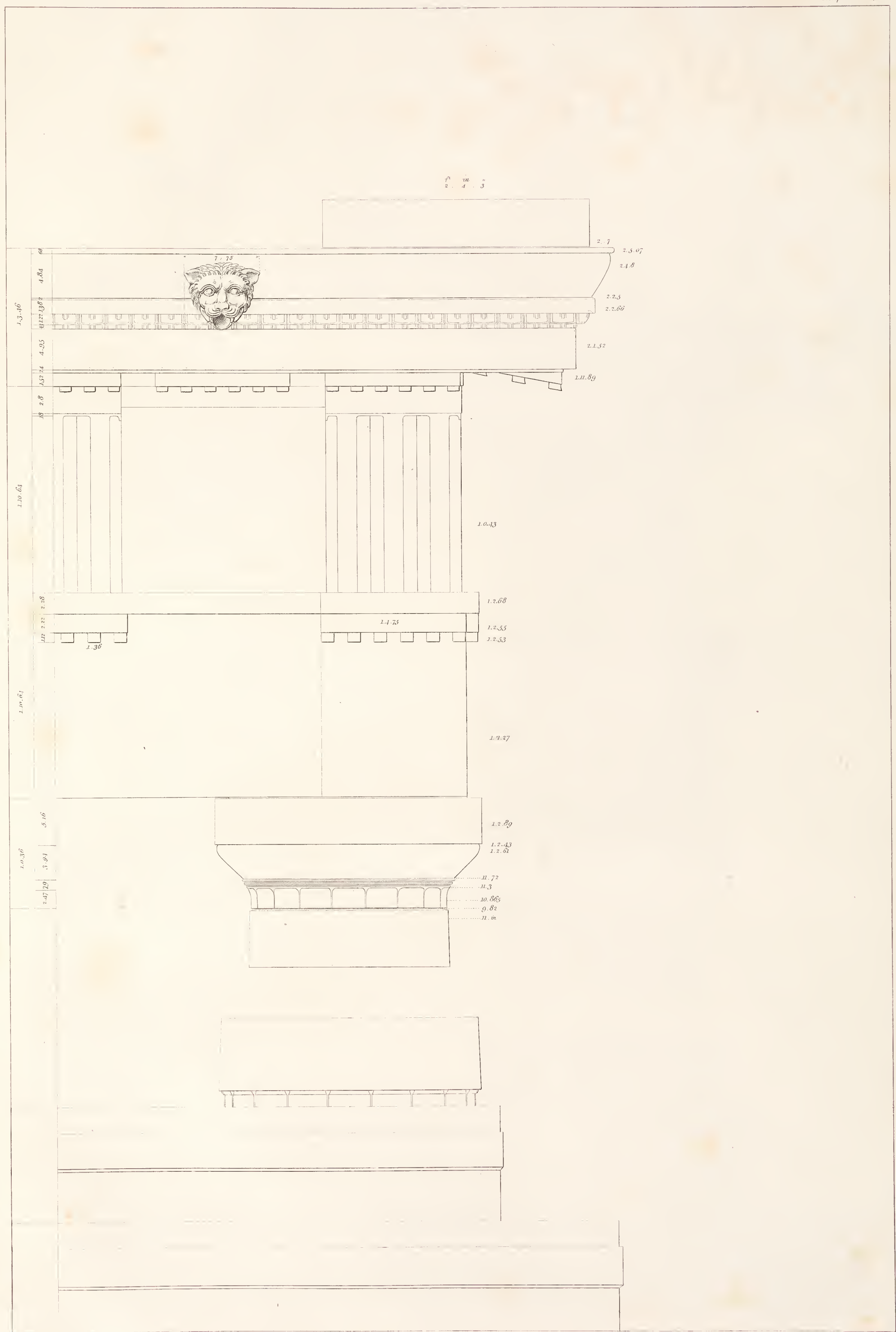
S. Porter sculpt.

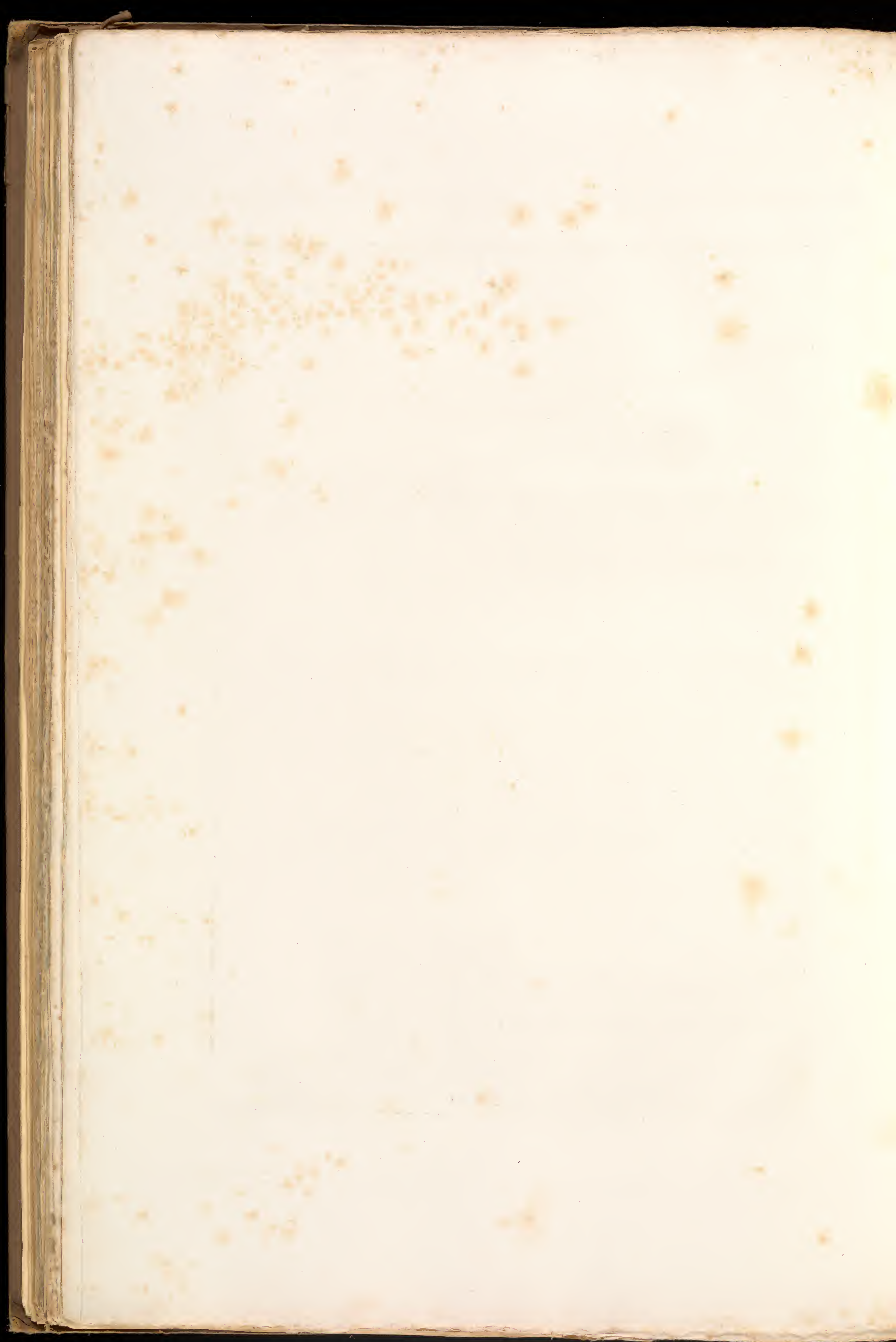




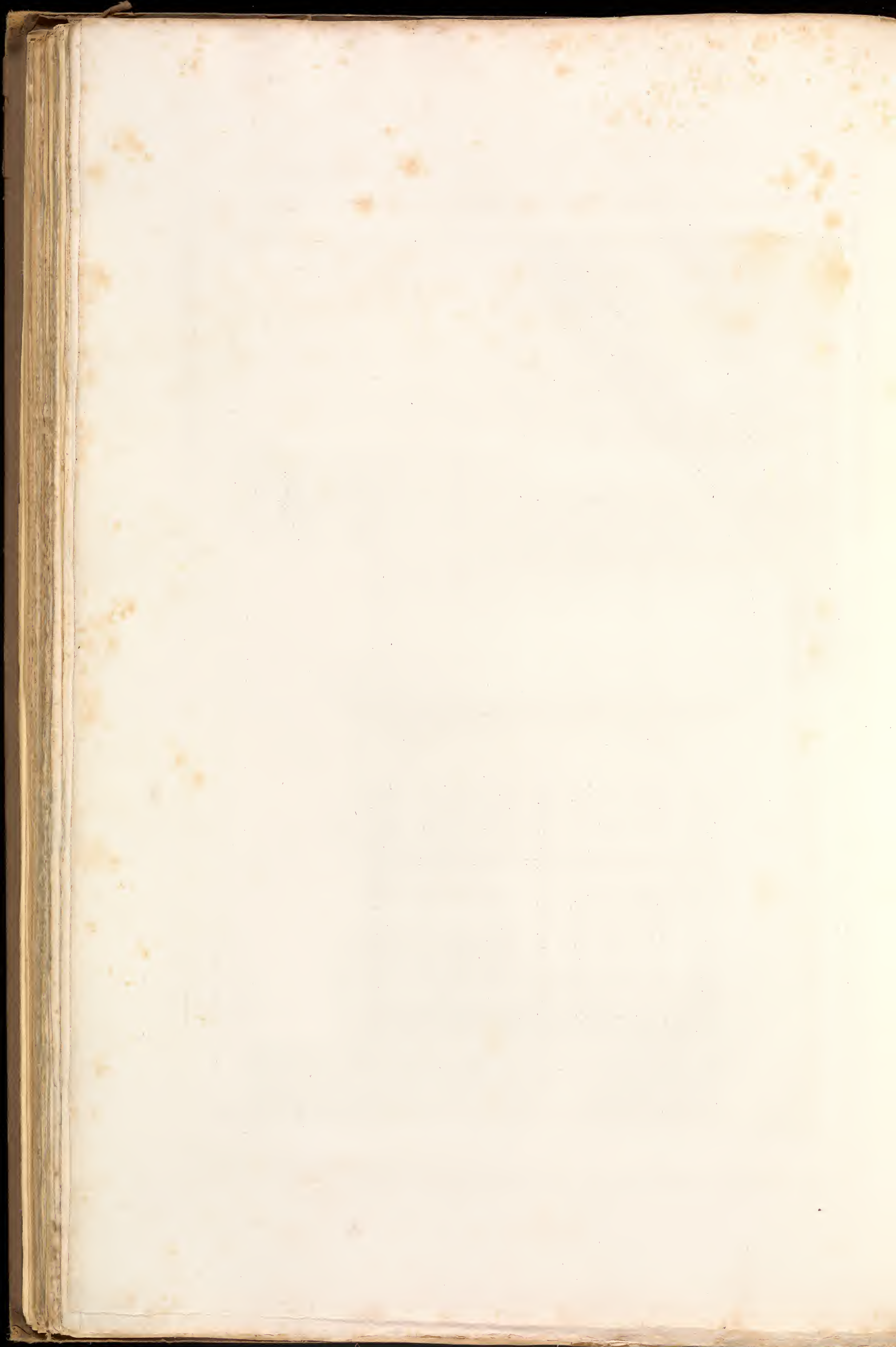




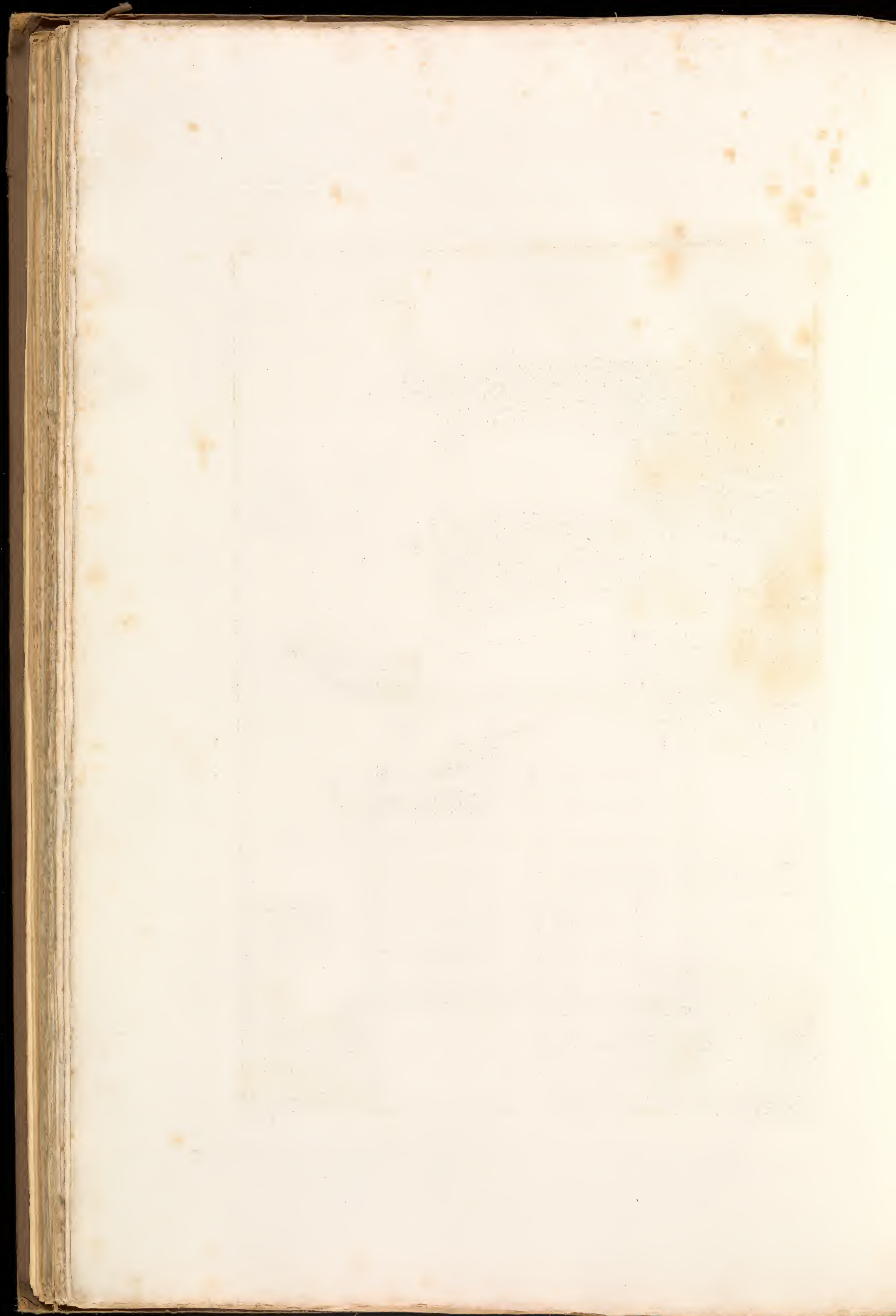






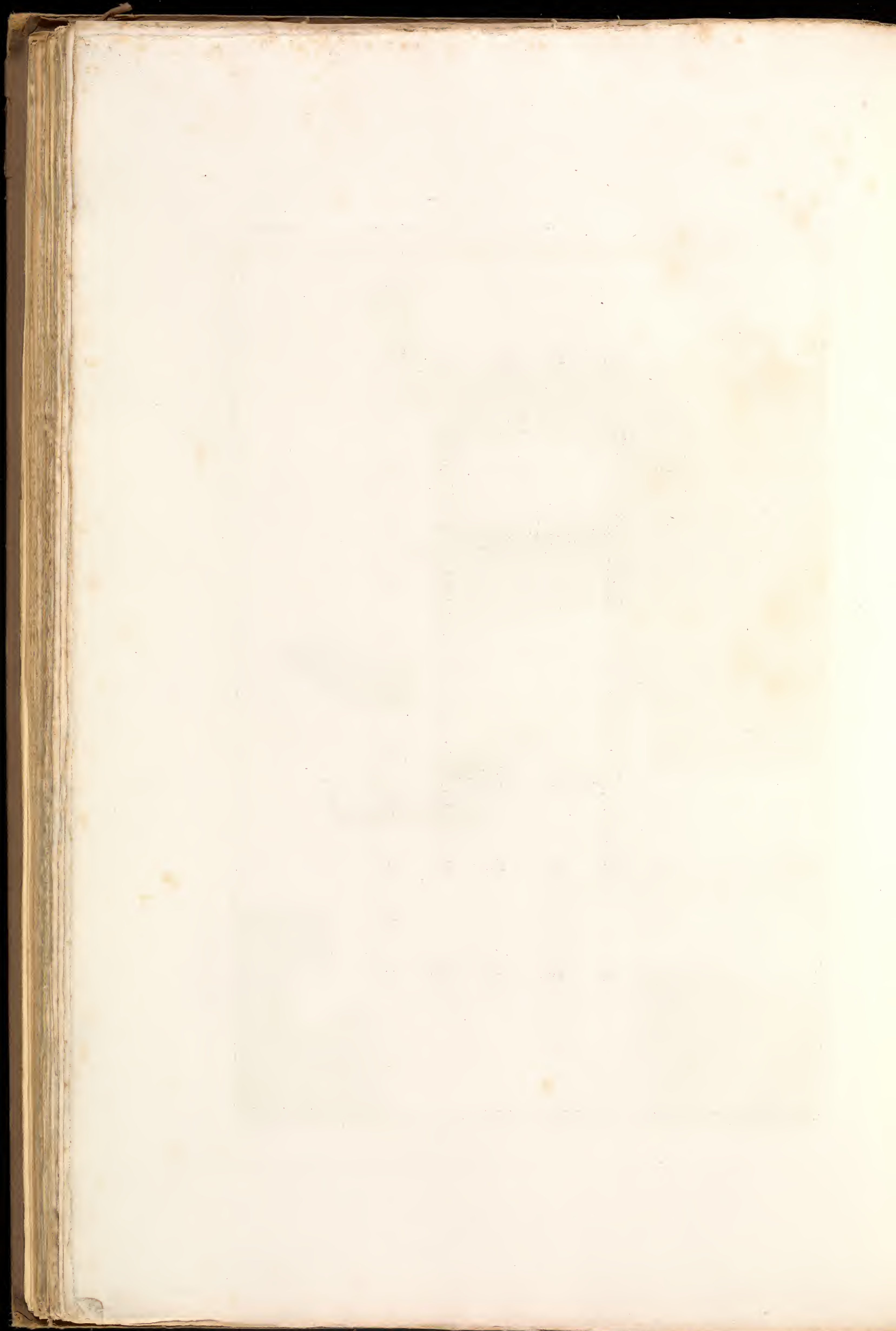


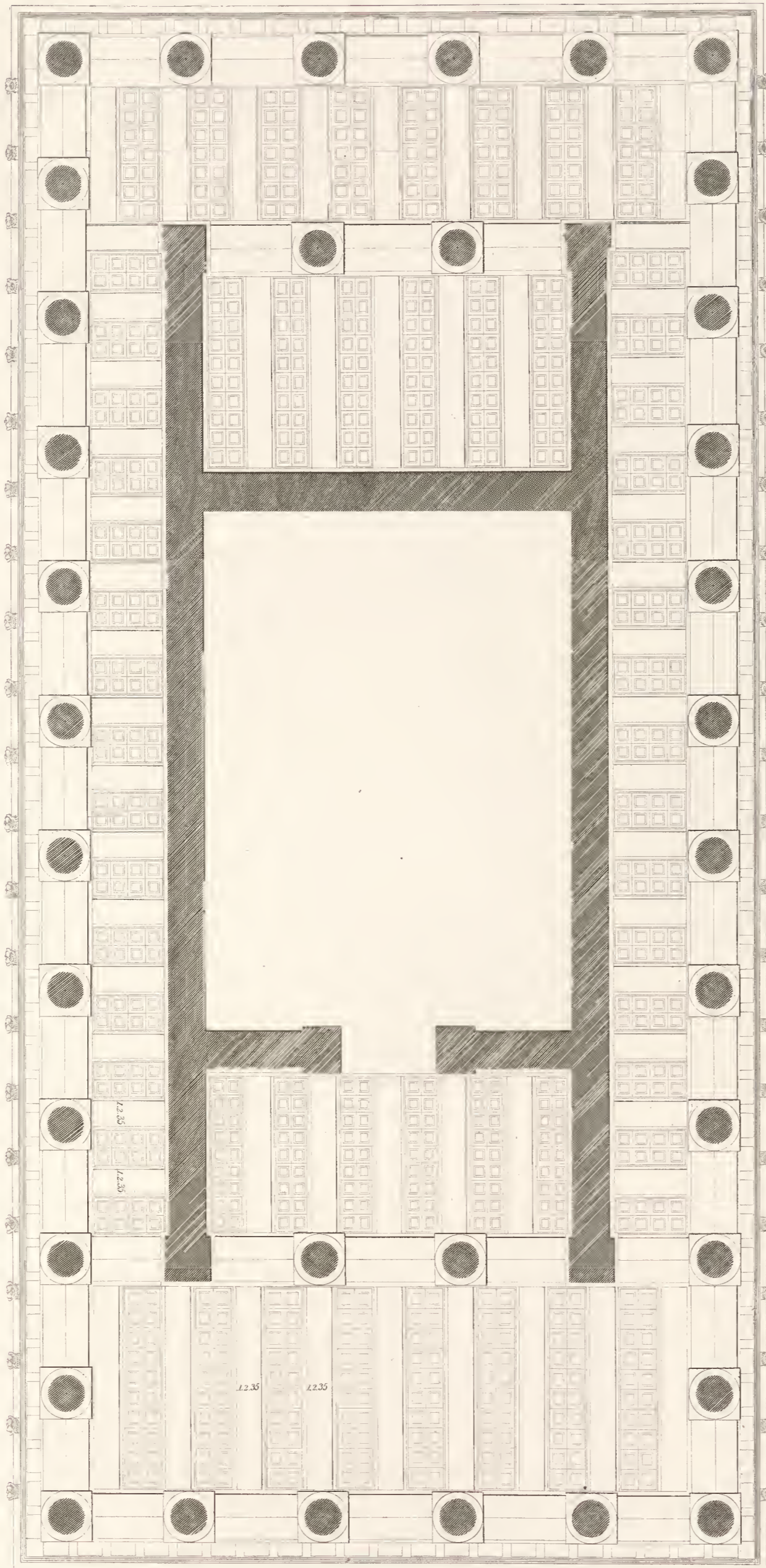




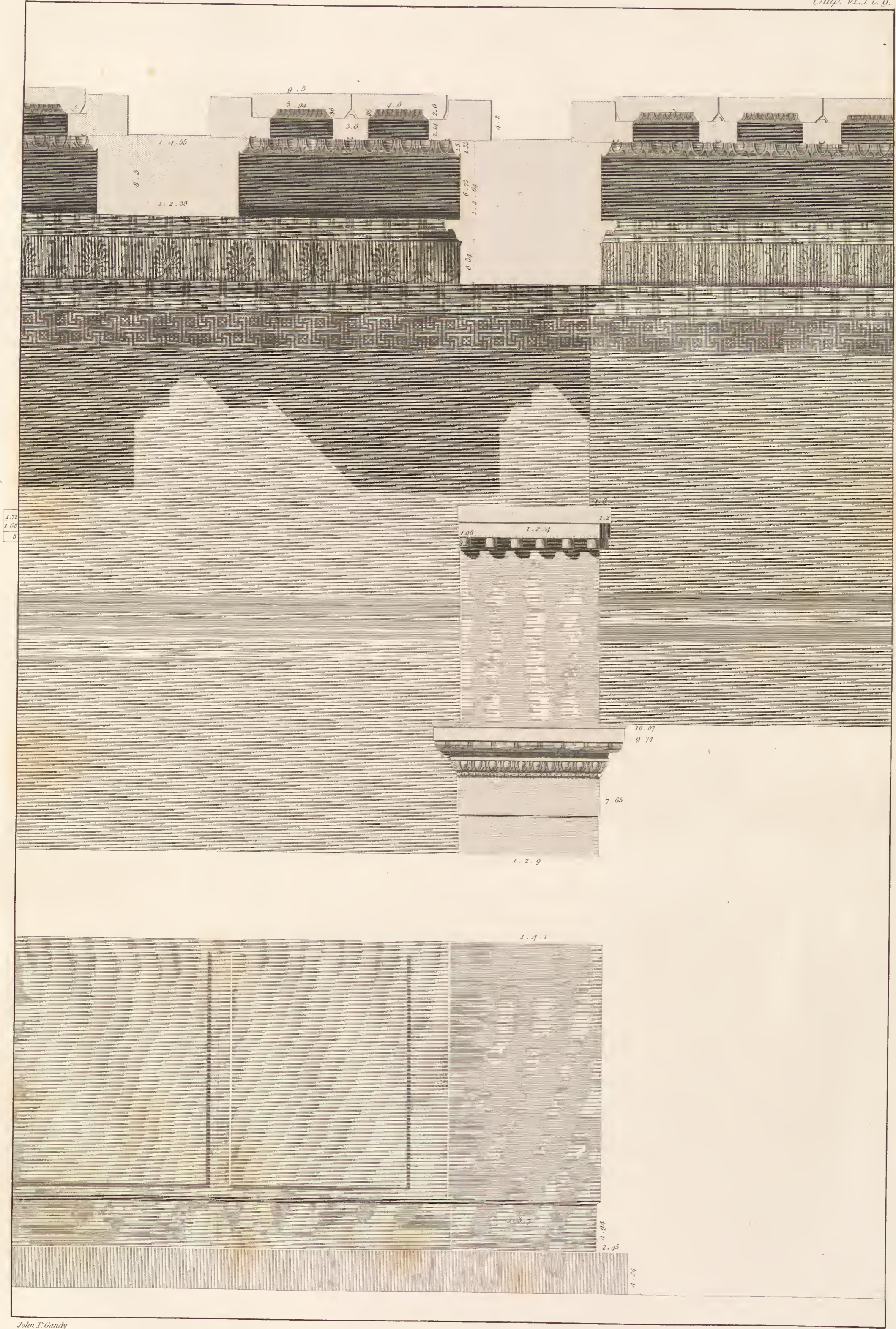


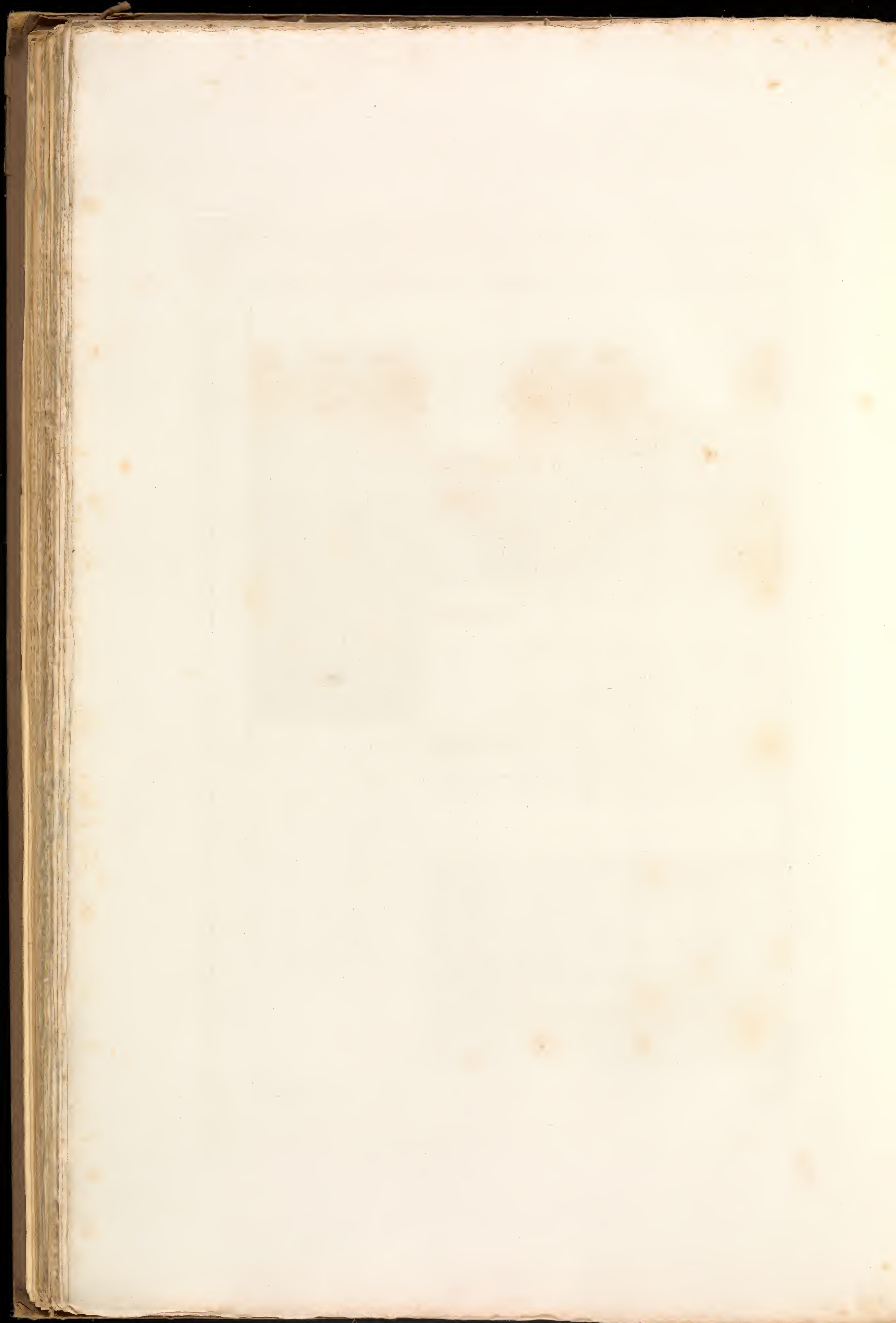


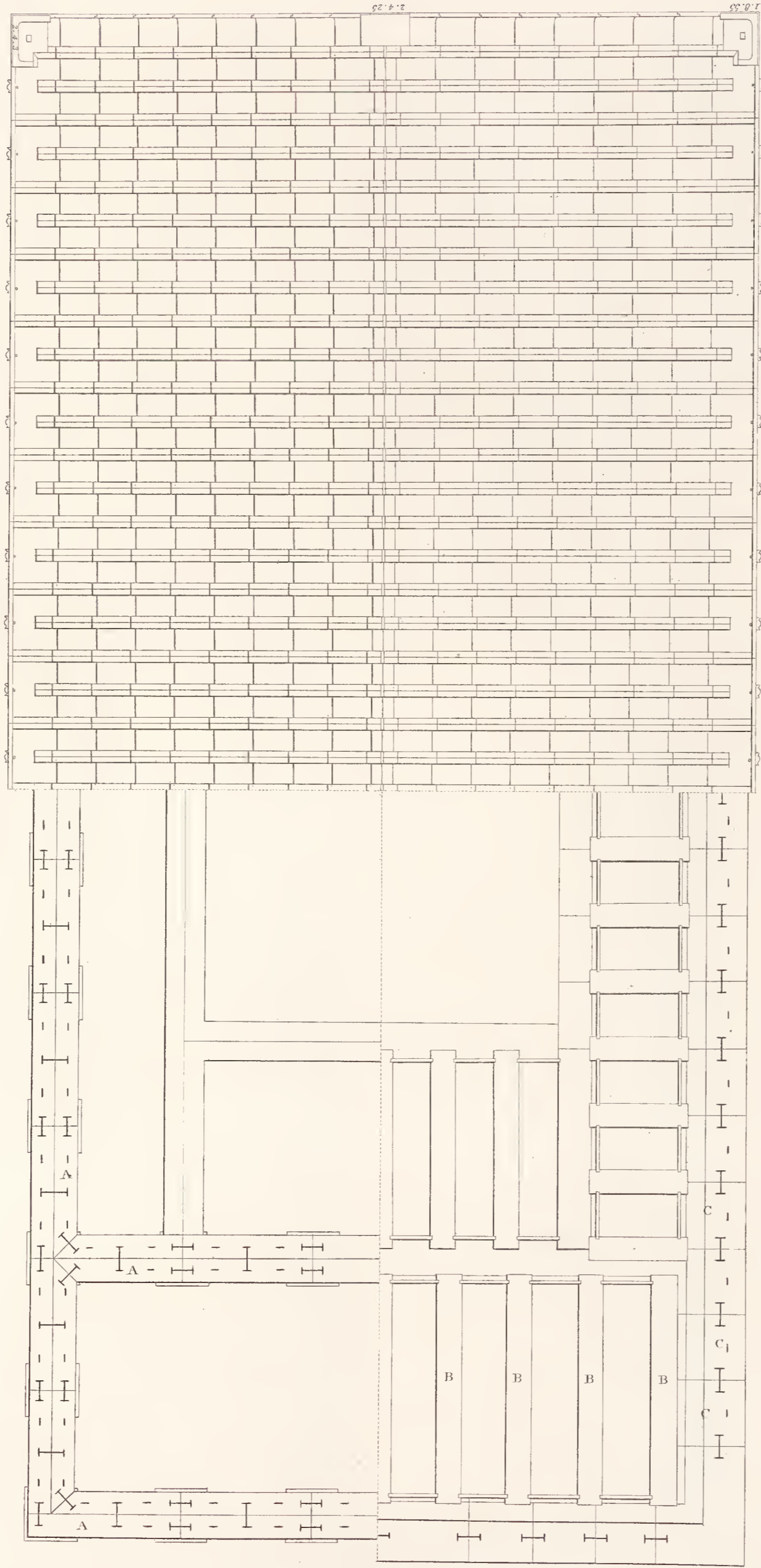


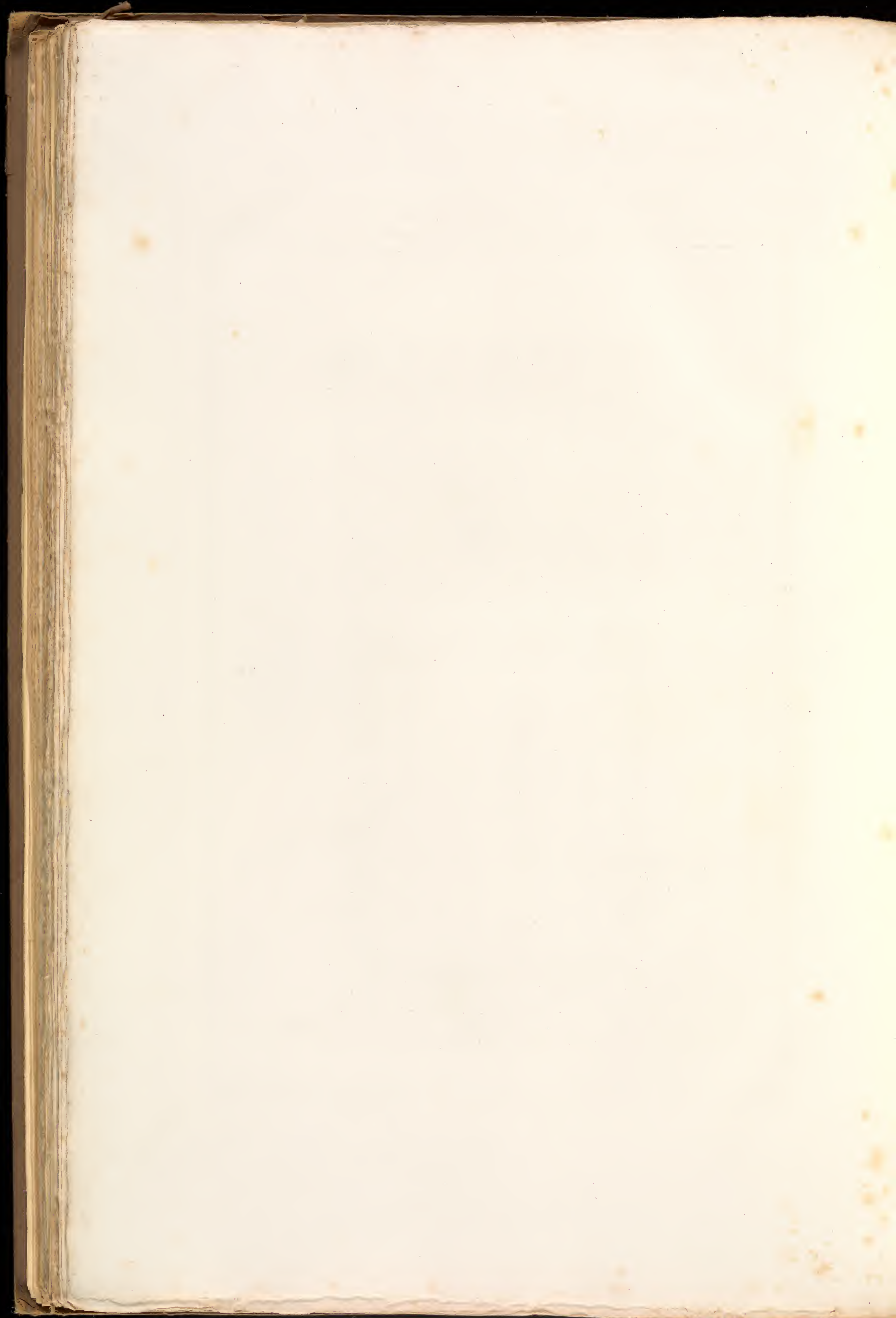




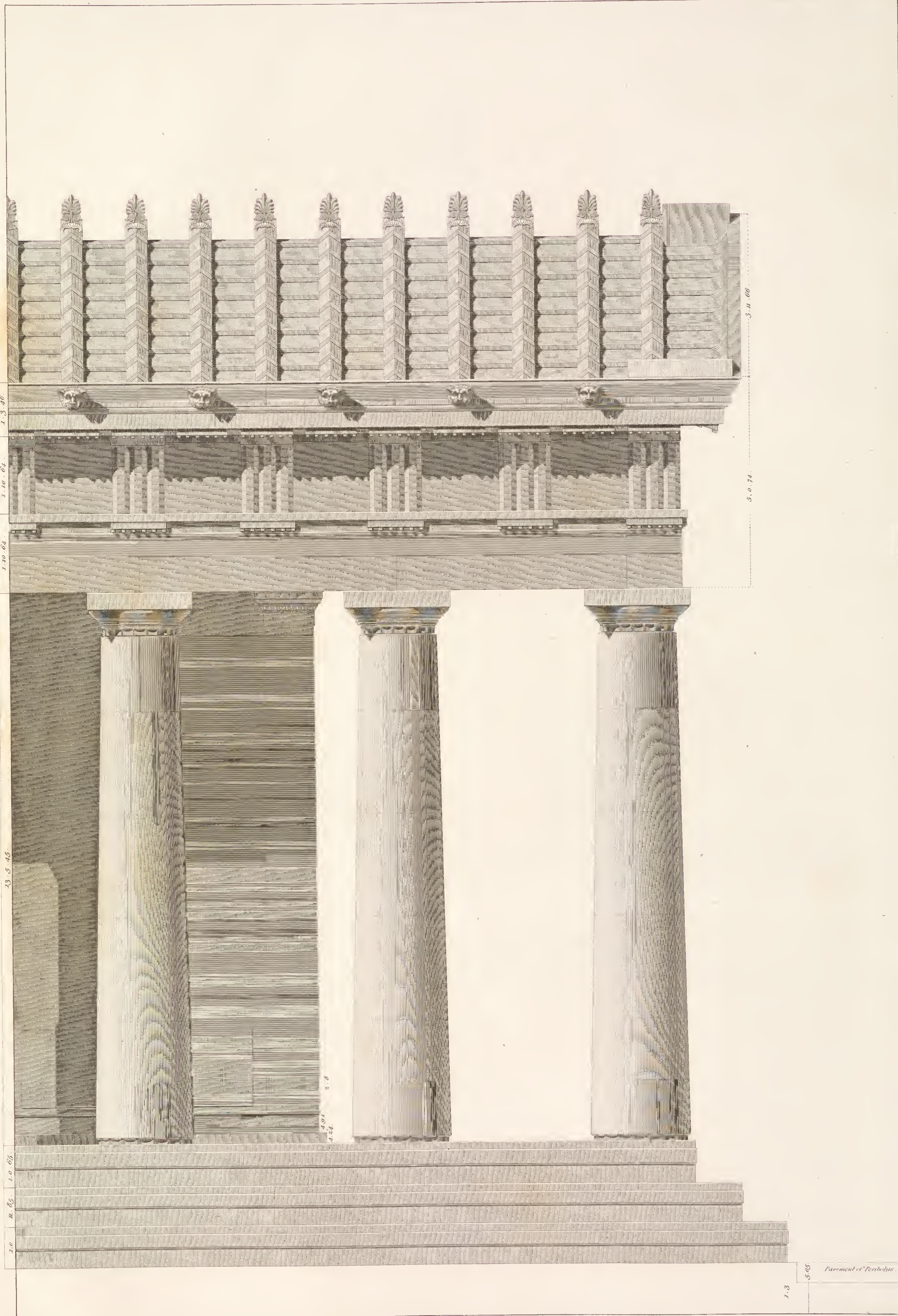








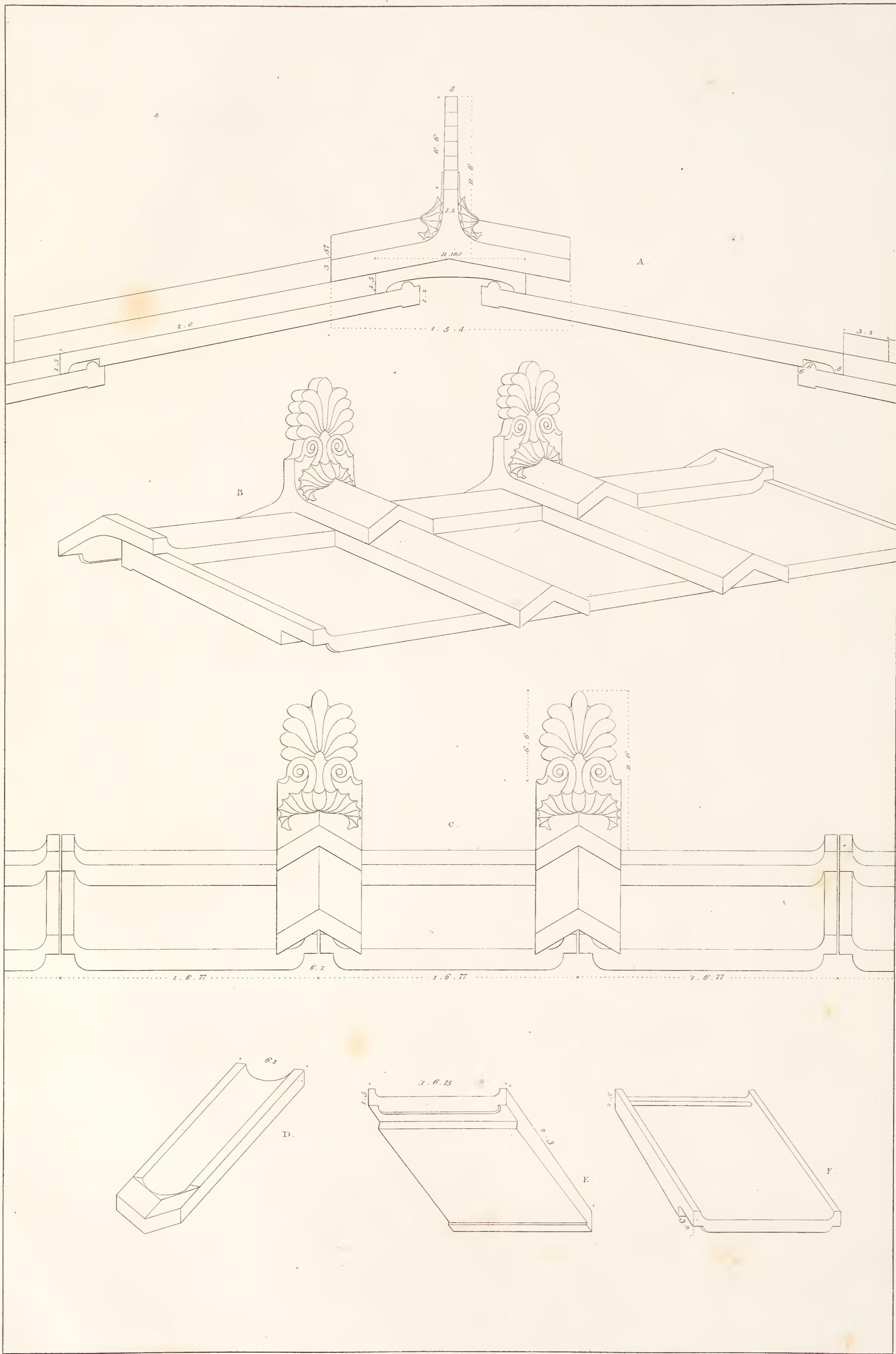


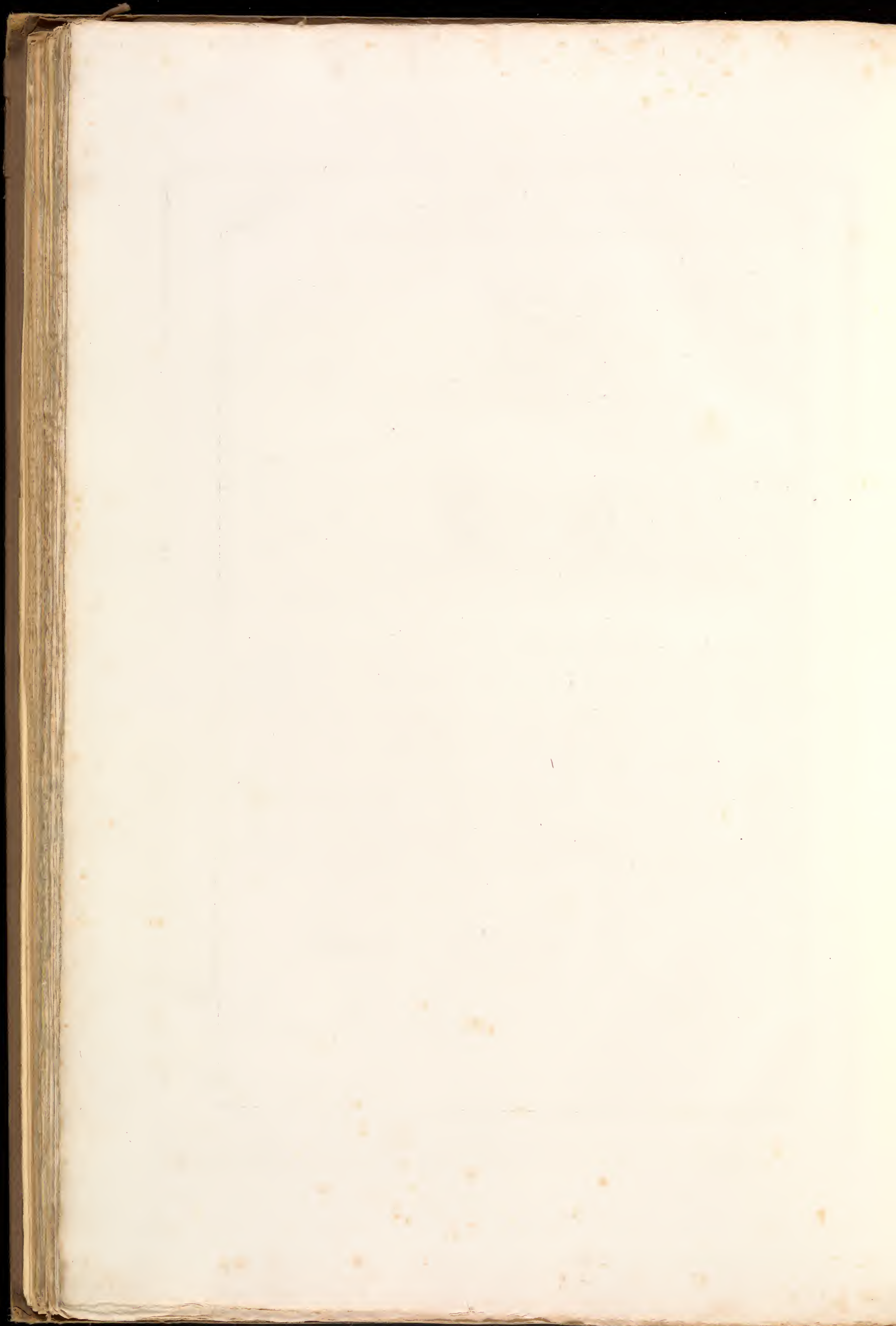


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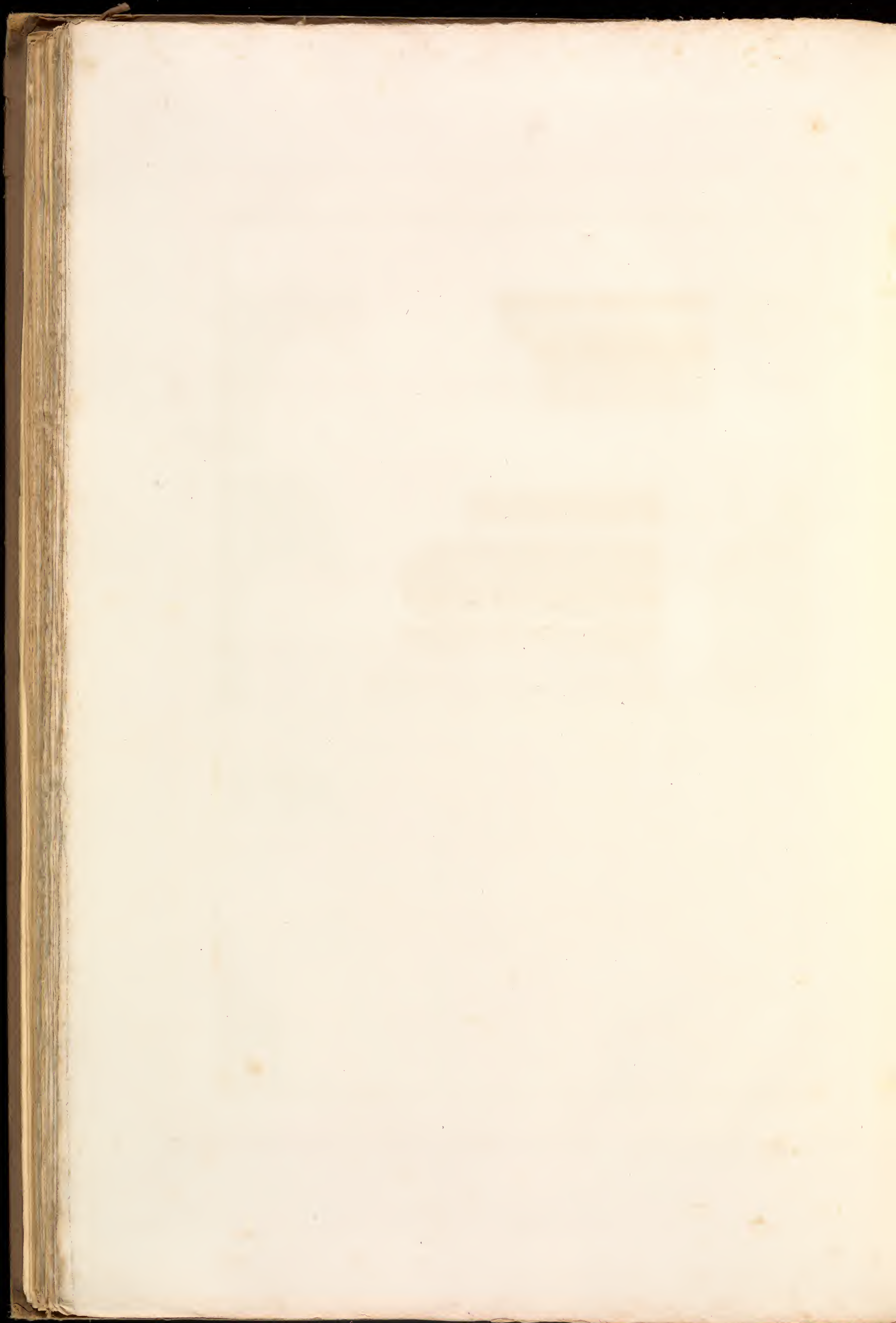
S. Porter sculp











## CHAPTER VII.

## TEMPLE OF THEMIS.

THE form of this temple is the simplest of those given to the sacred structures of the Greeks. A variety of the species has already been described :\* the subject of the present chapter differs from it in having only one portico.

The situation of the building, almost in contact with the temple of Nemesis, has been noticed ; a circumstance equally difficult to be explained is the mode of its construction. The walls of the cella are of the same kind of marble as the larger temple, but the columns and other parts of the ornamental architecture are constructed with a soft porous stone.

The masonry of the walls is that kind termed by Vitruvius *incertum*, from the stones being polygons with unequal sides. The joints in the exterior are made to fit with uncommon precision, and the face was polished ; the interior is rough, and the joints less carefully constructed : no cement appears to have been used. Around the walls, below the soil, within the area of the building, a number of iron nails were discovered ; whence it would seem that they were originally cased with wood.

A chair of white marble was placed in the portico on each side the entrance ; that on the right was dedicated to Nemesis and the other to Themis. According to the inscriptions on the top of the backs they were severally consecrated by Sostratus, in the priestesships of Callisto and Philostrates.

A statue six feet in height, wanting the head and arms, was found near the door-way : the style of sculpture denoted an early period of the art. On digging below the pavement in this place fragments of bones, and of bronze, together with spear-heads, and small lacrymal vases were discovered. By removing some of the blocks with which the interior of the cella was encumbered

\* Chapter V.

the terra-cotta tiles of the roof, and the iron nails already mentioned, were brought to light. The walls of the cella remain standing eight feet above the ground.

### PLATE I.

#### PLAN OF THE TWO TEMPLES.

The plans of both temples are here given, for the purpose of shewing their relative positions. The parts of the smaller distinguished by the light tint are those executed in coarse stone.

### PLATE II.

#### ELEVATION OF THE TEMPLE OF THEMIS.

The chairs, which do not appear to have been fixed, are here removed from their situations for the purpose of exhibiting them entire in the elevation. The head of the statue is restored from conjecture.

### PLATE III.

#### ORDER OF THE ANTÆ.

The moldings of the projecting cornice below the tiles have perished: the depth of the block in which they were formed could alone be ascertained.

### PLATE IV.

#### ORDER OF THE COLUMNS

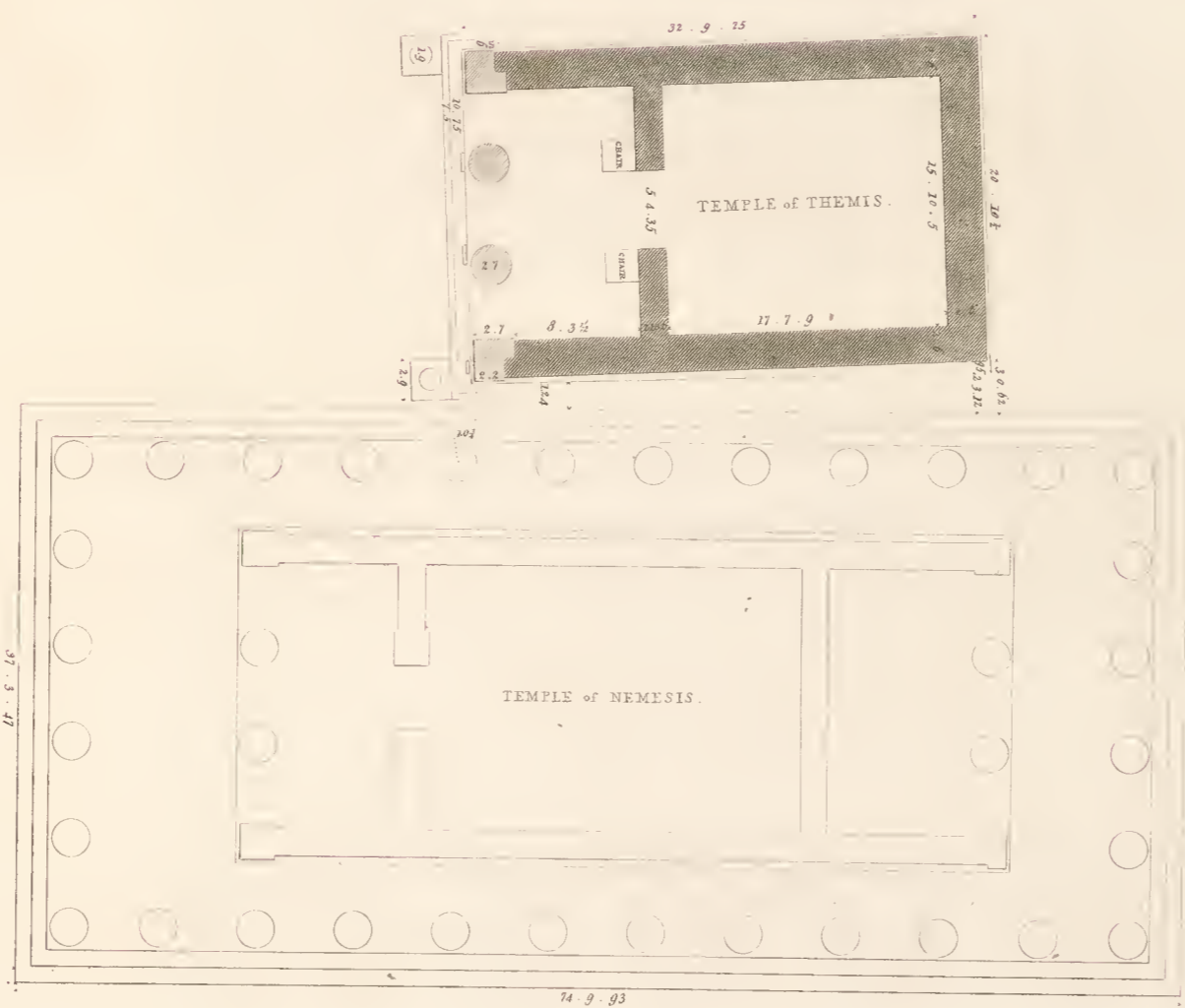
- A. Annulets of the capital, the full size.
- B. One of the flutings at the top of the shaft.
- C. Polygonal masonry of the flank walls.
- D. The masonry of the transverse wall.
- E. Plan of the triglyphs.
- F. Section of the capital of the antæ.

### PLATE V.

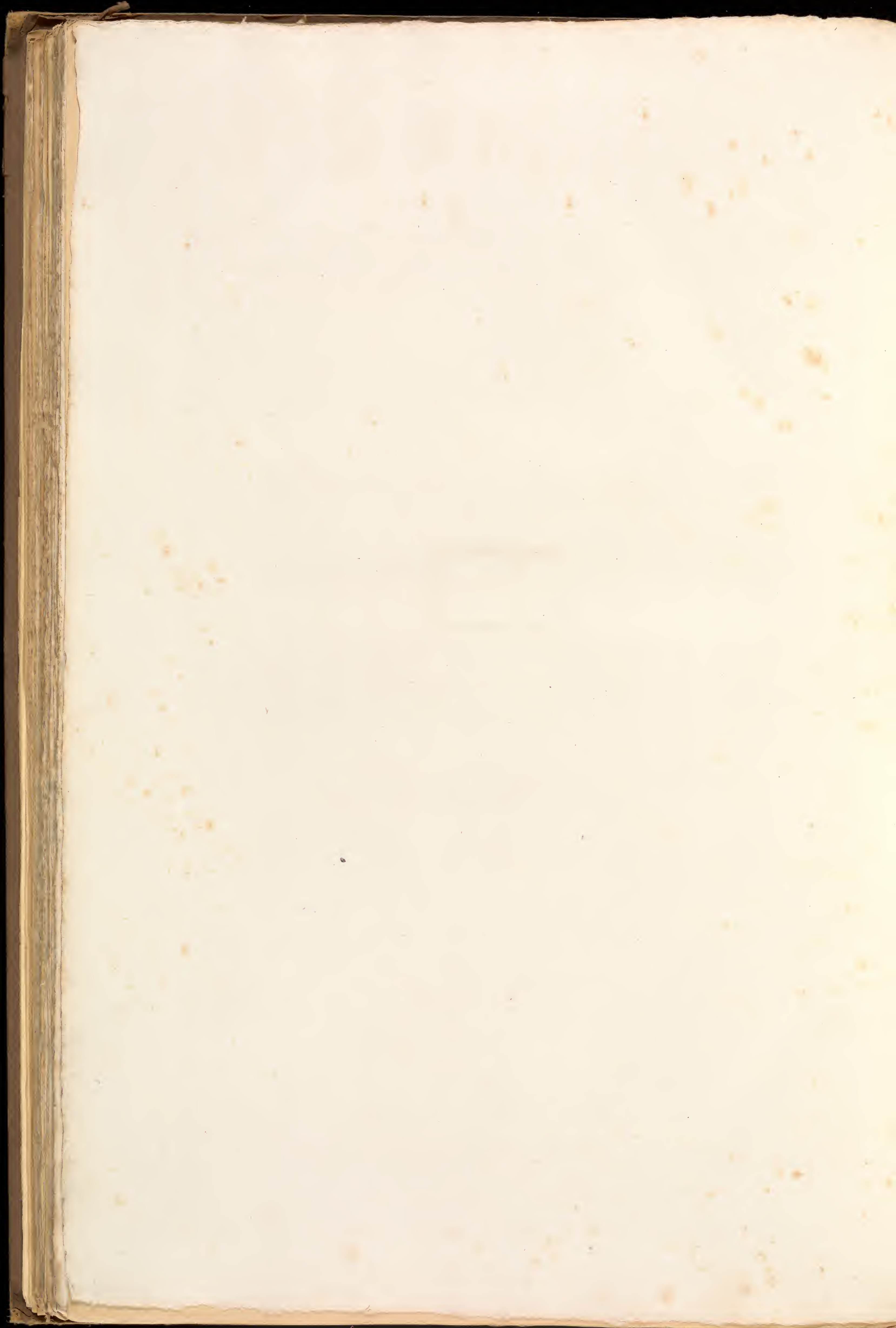
#### ENTRANCE INTO THE CELLA.

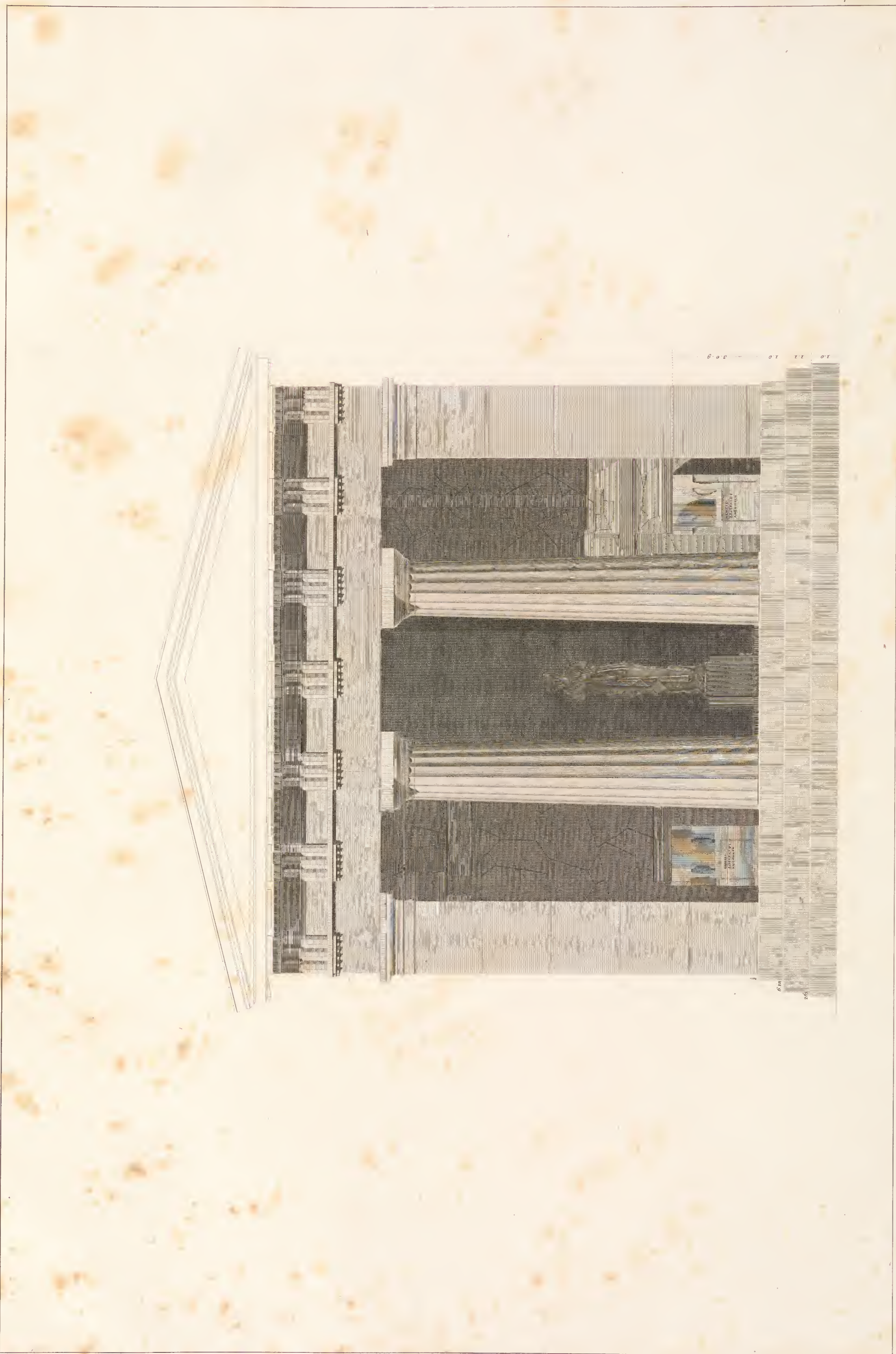
The chairs are here made to occupy the positions in which they were discovered. The sepulchral bas-relief was found within the area of the cella.



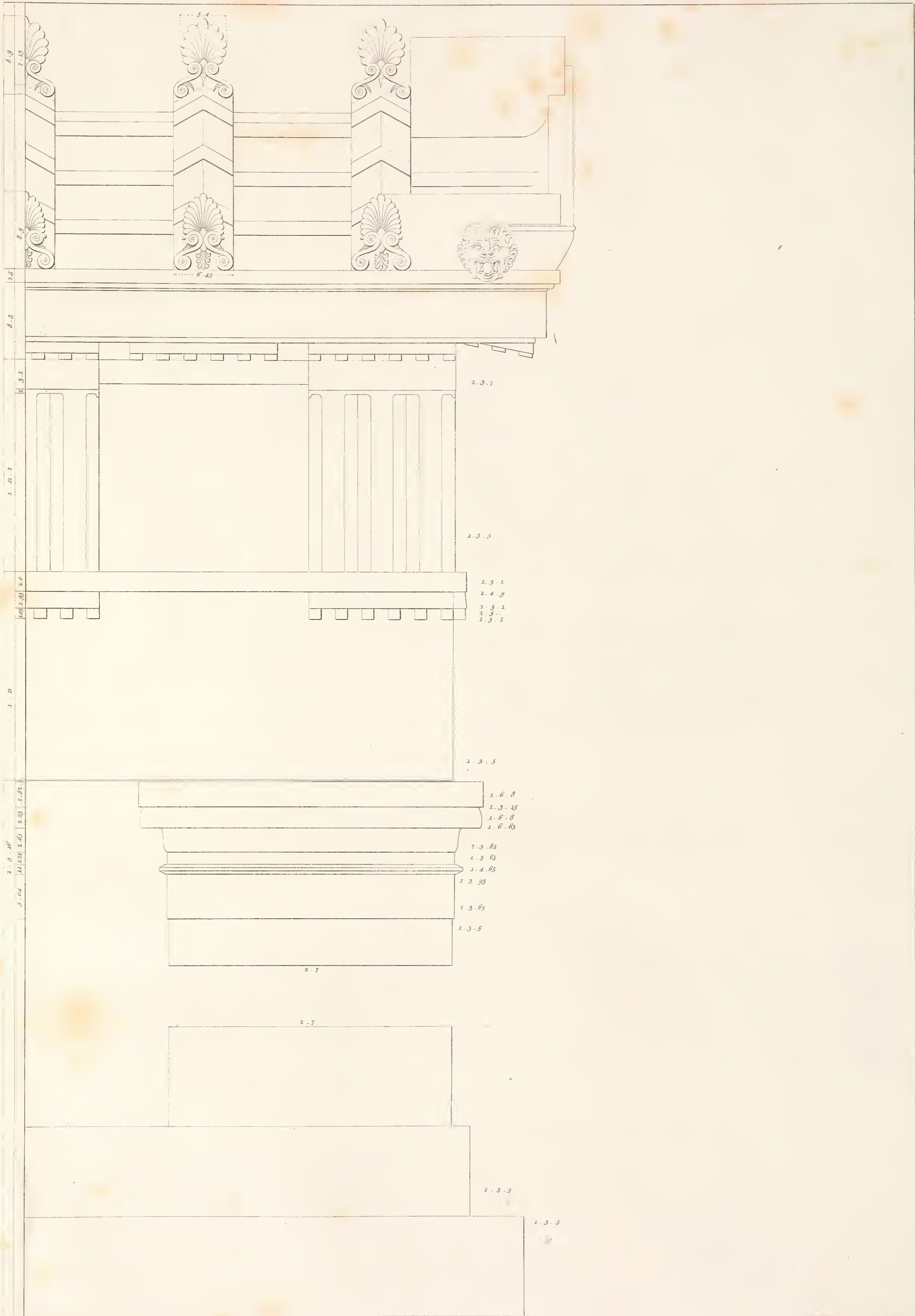


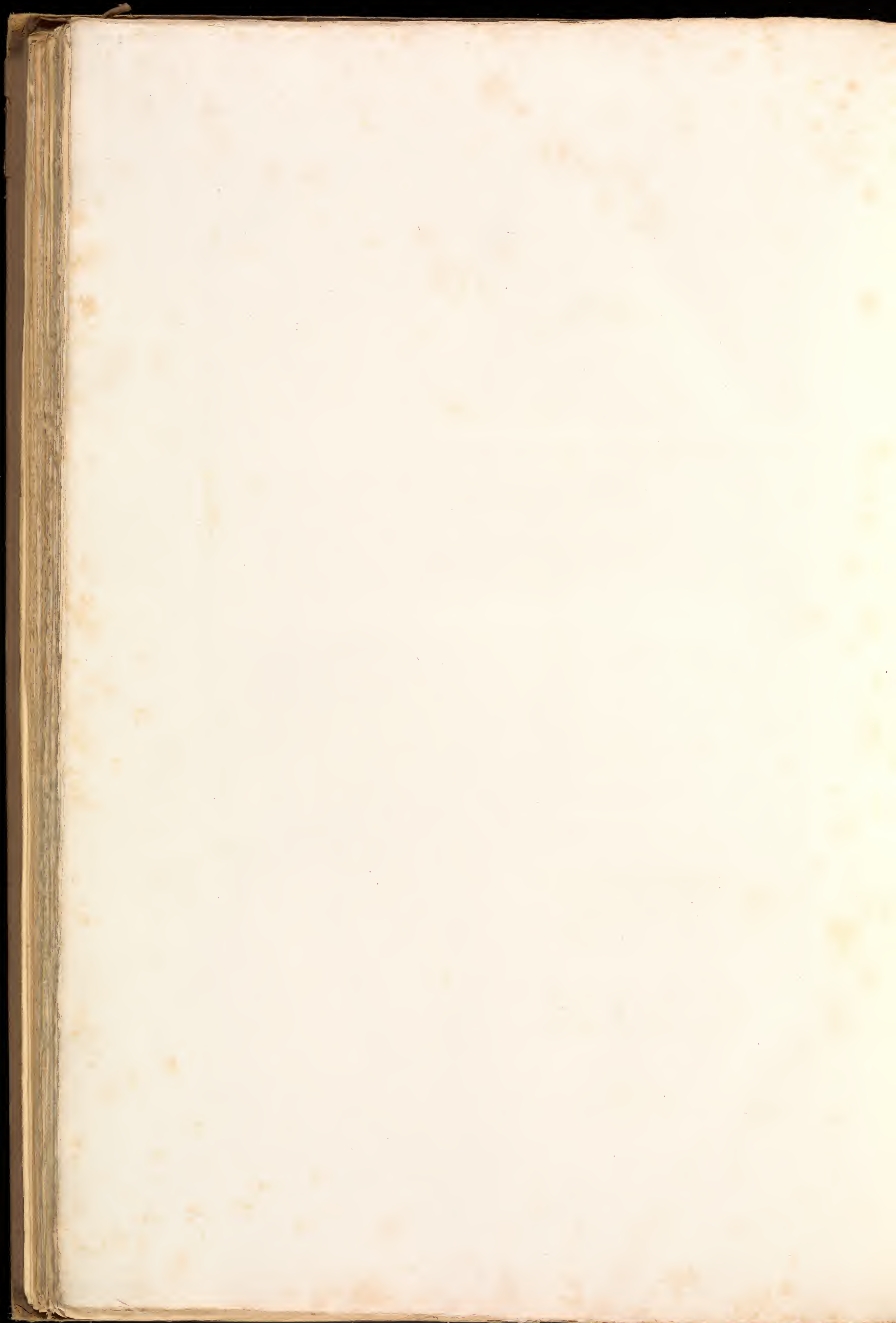
TERRACE.

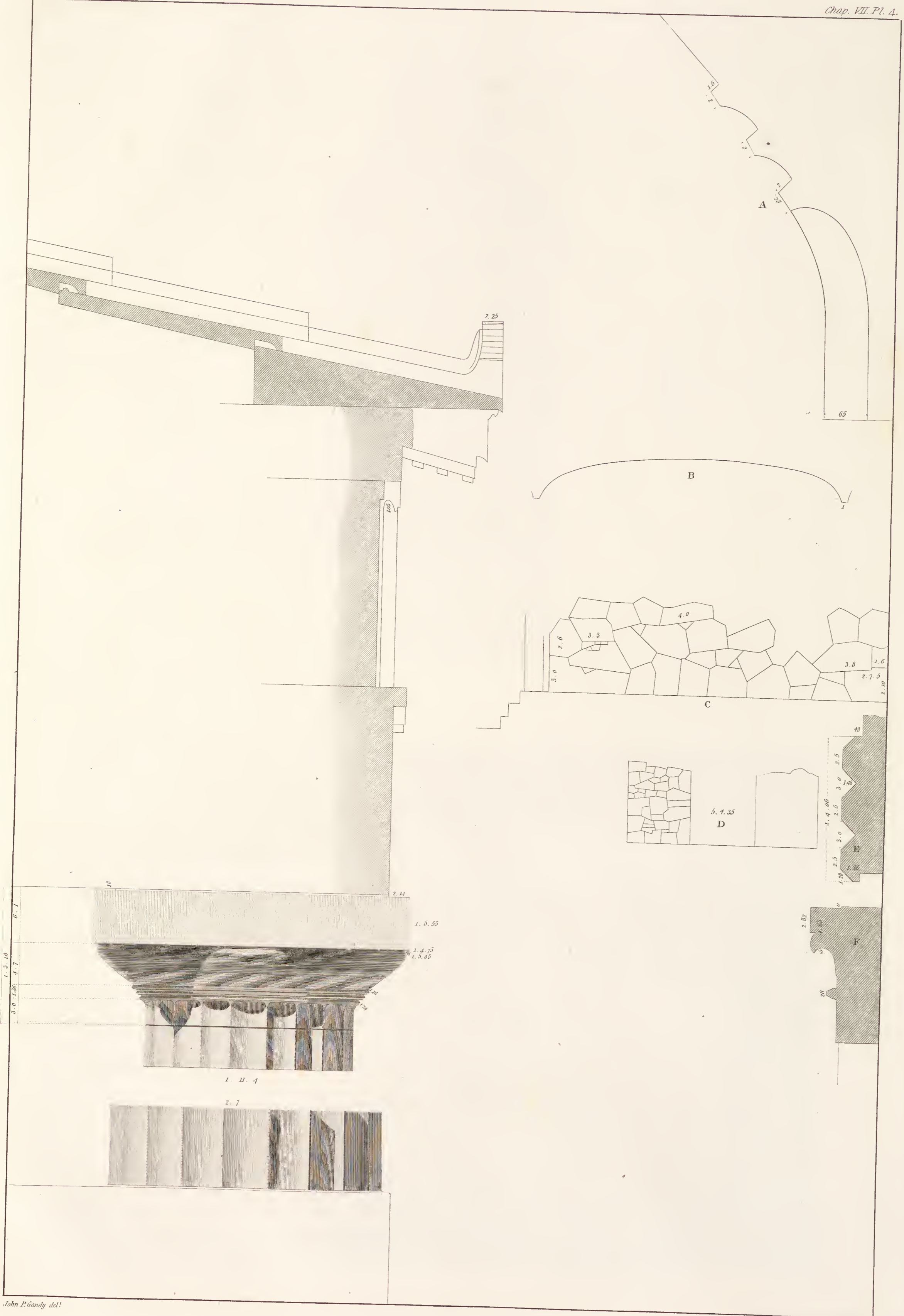






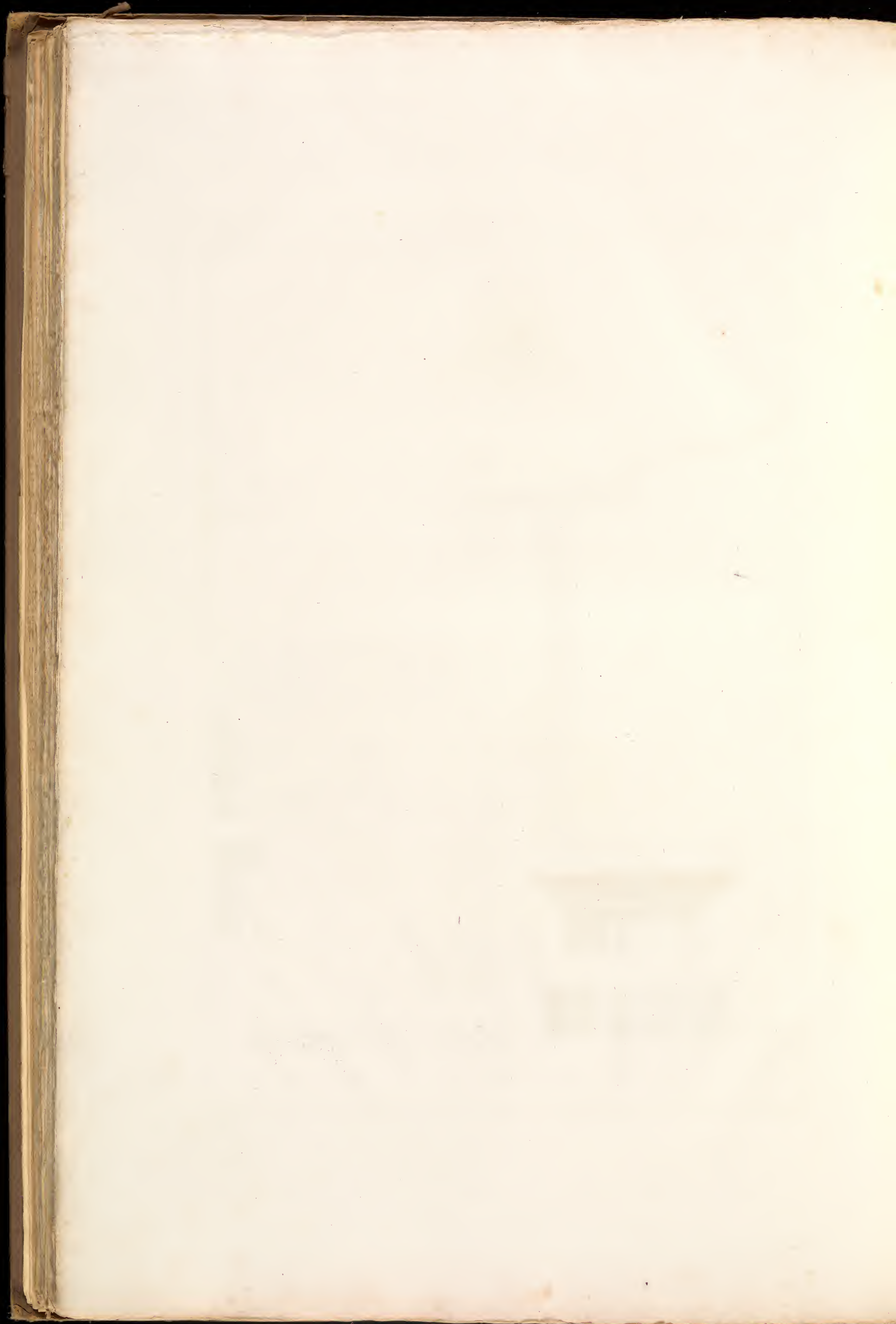




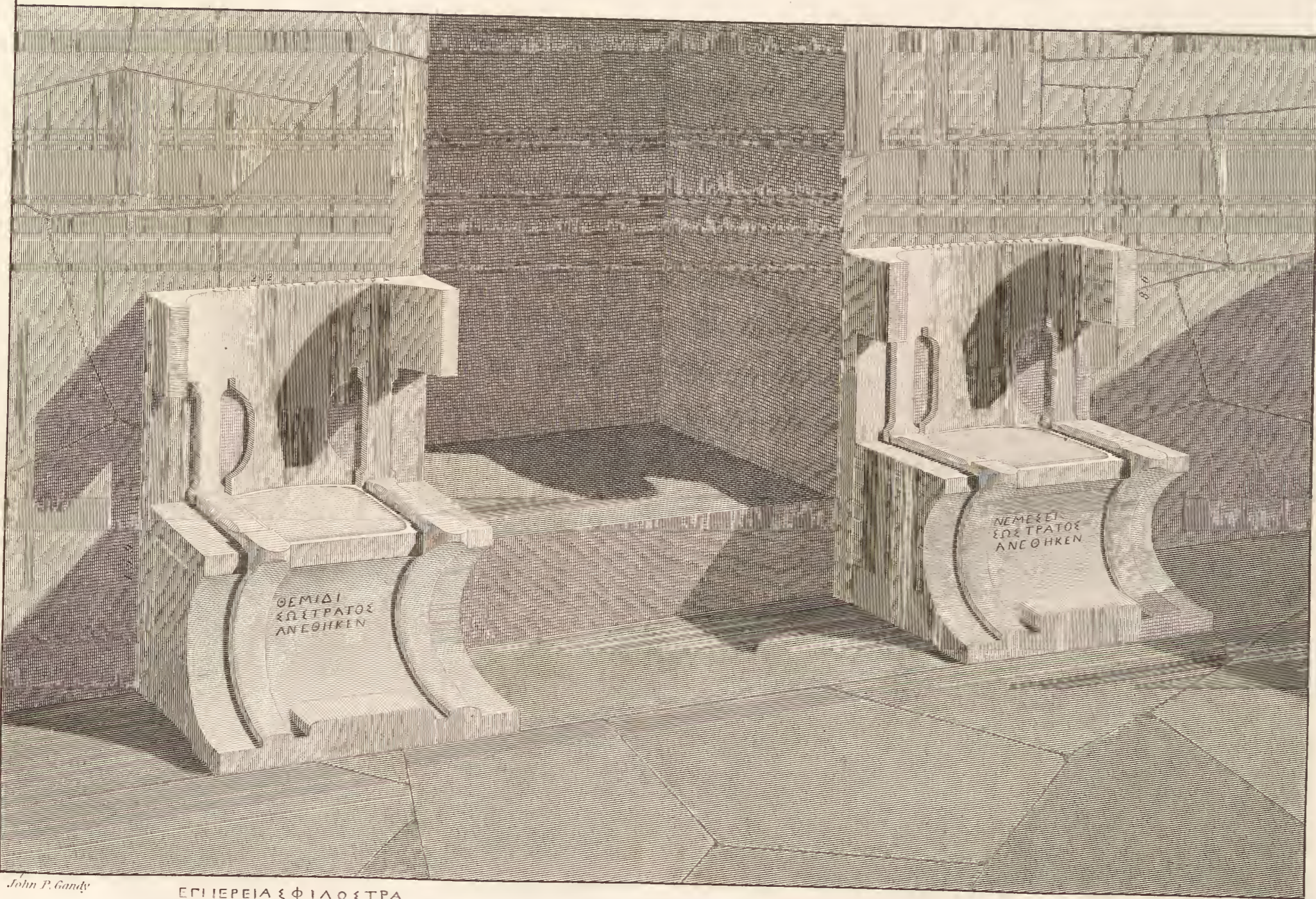
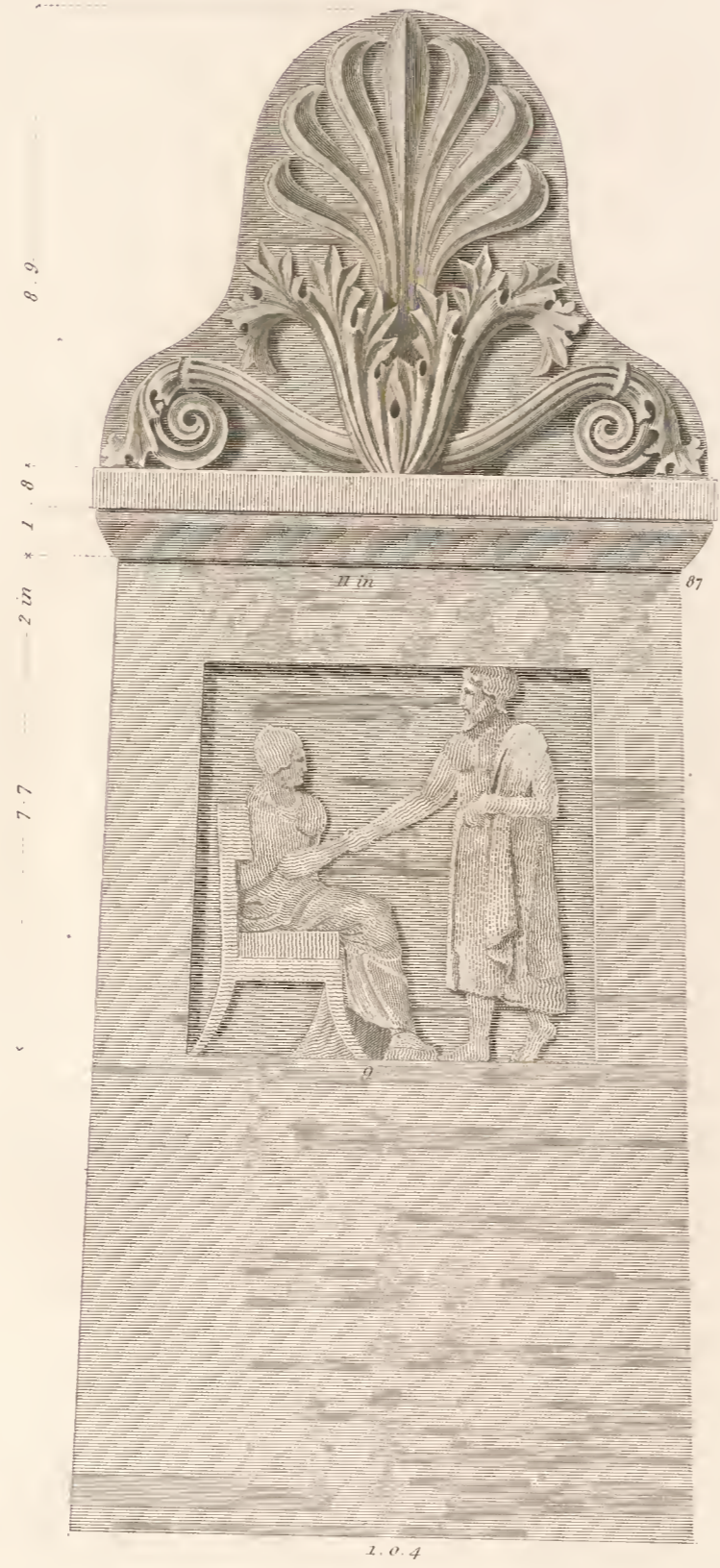


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J. Roffe, sc.





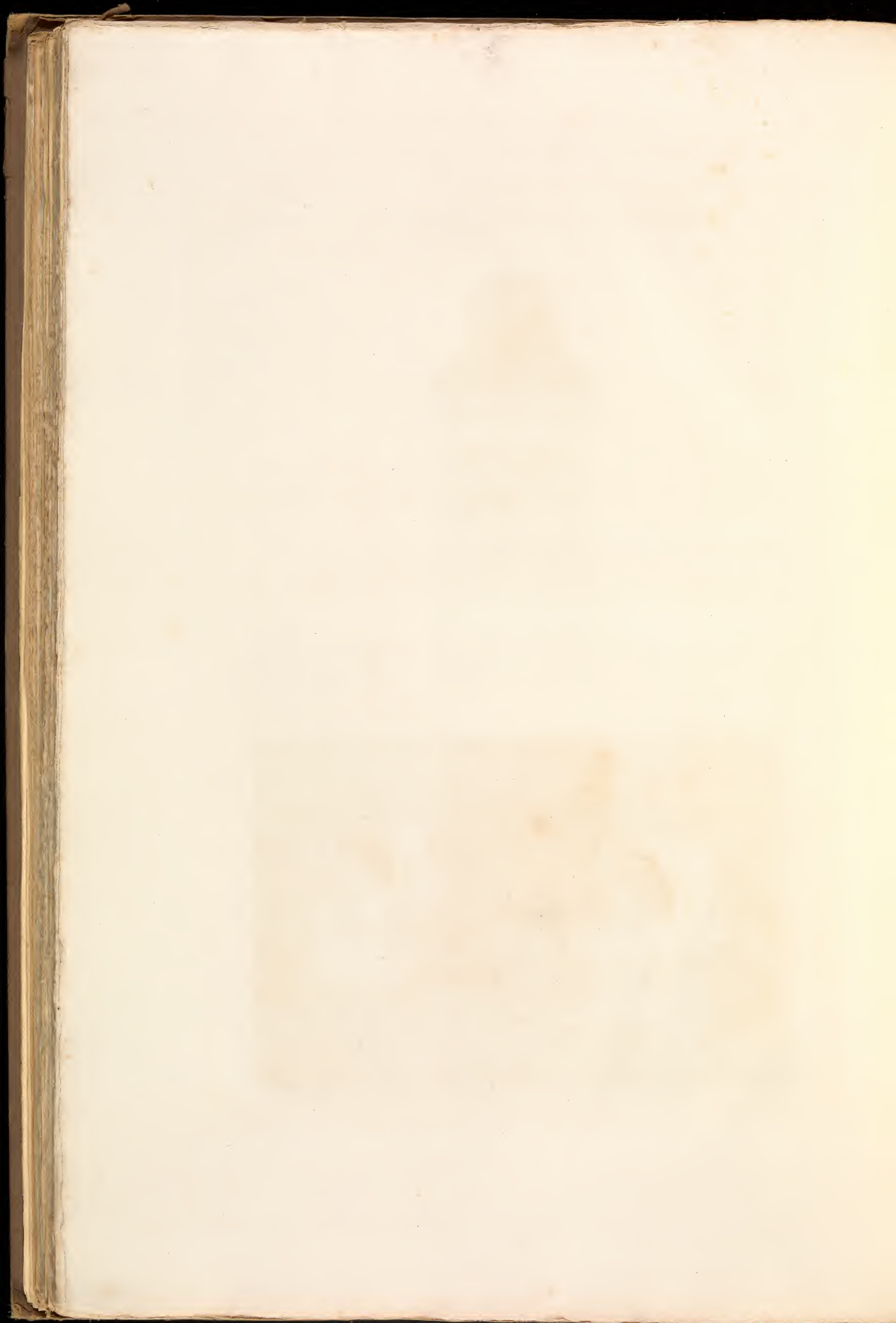


John P. Gandy

ΕΠΙΘΕΡΕΙΑ ΕΦΙΛΟΕΤΡΑ..

ΕΠΙΘΕΡΕΙΑ ΕΚΑΛΛΙΣΤΟ..

J. Roffe



## CHAPTER VIII.

### SUNIUM.

**SUNIUM** was one of the borough towns belonging to the tribe Attalis. It was situated on a promontory of the same name, forming the southernmost point of Attica. The rocks next the sea are precipitous and rugged.

During the Peloponnesian war the Athenians, who expected to derive their means of subsistence from Eubœa, fortified Sunium for the protection of the vessels employed in carrying their supplies along the coast. The Lacedemonians at this time, by maintaining a garrison at Decelea, cut off all communication between Athens and the inland towns.

The principal ruins of Sunium are the remains of a temple dedicated to Minerva-Sunias; it is constructed with the white marble produced by the neighbouring hills. The temple is of the Doric order, and had six columns in the front: beyond the tenth column of the south-west flank there are no remains to indicate its original extent: nine columns are still standing on this side, and three on that opposite, as well as the two belonging to the pronaos, with one of their antæ.

North of the temple, and nearly in a line with its eastern front, the remains of a Propylæa were discovered. It was a building of the same order of architecture; the proportions of its columns and the form of its moldings were nearly similar to those of the temple.

With respect to the age of these edifices it is probable that they were coëval, or nearly so, with the temple of Nemesis at Rhamnus; the conjecture as to the origin of the latter is likewise applicable to the buildings of Sunium. The exquisite finish observed in their execution is a sufficient proof of their having been erected in one of the best ages of architecture.

The fronts of the Propylæa were in antis, that is, the porticoes were formed by placing two

columns between the antæ of the flank walls. The central interval was enlarged, like that of the Propylæa at Eleusis already described, in order to afford a more commodious approach to the peribolus into which it was the entrance. The lower portions of the two columns in the south front, one of the antæ at the south-east angle, and a considerable part of the lower courses of the flank walls on the east side, are remaining: nothing but the foundations of the rest of the building were standing. The pavement lies buried three feet below the soil.

No remains of the entablature above the epistylia were found, but in digging around and within the area of the building some fragments of moldings were discovered, which had been purposely broken off and afterwards buried, with the intention of concealing from less inquisitive travellers the details which would assist in restoring the design of the edifice: the freshness of the fractures shewed that this wanton injury had been perpetrated at no distant period. The cornice of the building had probably shared the same fate, and might be discovered by a more extensive excavation.

The walls of the peribolus, which embraced the temple within their circuit, were faced externally with white marble: the surface next the area they inclosed was constructed with a coarse stone, of a similar kind to that used in the foundations of the Propylæa. They may be traced from near the temple, along the brow of the eminence on which it stands, down to the shore.

### PLATE I.

#### PLAN OF THE PROPYLÆA.

- A. The line of the stone foundation below the steps in the north front.
- B. The walls of the peribolus.
- C C. Marble seats along the interior of the portico; that on the east side remains entire; it is 14.9 in length.

### PLATE II.

#### ELEVATION OF THE SOUTH FRONT.

The columns diminish from the bottom to the top in lines perfectly straight. The metopæ over the central interval are considerably less in width than the others; this mode appears to have been adopted for the purpose of reducing the interval, enlarged by the introduction of one metopa and one triglyph more, within certain limits, and thereby to render the dissimilarity between it and the others less remarkable.

## PLATE III.

## THE ORDER AT LARGE.

The columns have twenty flutings, each separated by a narrow fillet.

- Fig. I. Section through the epistylia which were in two pieces in width: the tænia is less in width than the regula. The epistylium has a greater proportional height than is usually met with; it is  $\frac{6}{7}$ ths of the lower diameter of the columns.
- II. Plan of the columns at the base and top of the shaft.
- III. Plan of the flutings, half the real size.
- IV. Contour of the capitals, half the size of the original.
- V. Annulets of the capitals, the full size.

## PLATE IV.

## DETAILS OF THE BUILDING.

- Fig I. The order of the antæ.
- II. Section through the capital of the antæ.
- III. Section through the cornice of the pediment.
- IV. Section through the cymatium of the pediment at large.
- V. A similar moulding found amongst the ruins.

## PLATE V.\*

## VIEW OF THE TEMPLE OF MINERVA-SUNIAS.

This view is taken from the north-east, a little below the temple. The surface of the columns exposed to the action of the sea air is considerably corroded.

\* Although the following plates have already been published in the second volume of the *Ionian Antiquities*, they are here introduced, because otherwise it would have been the only ancient building yet discovered in Attica, with the exception of those at Athens, unnoticed in the present volume. The architectural plates have been re-engraved, in order that they might correspond with the other engravings.

## PLATE VI.

## ELEVATION OF THE TEMPLE.

The present example is one of two which have come to our knowledge exhibiting a departure from the common practice of dividing the shafts of Doric columns, when fluted, into twenty flutings. The number here is only sixteen: the columns of the hexastyle temple at Paestum, the other instance alluded to, have twenty-four.

## PLATE VII.

## SECTION THROUGH THE PRONAOS.

The epistylum is continued across the ambulatory, and is supported by the columns in the flanks, which are the second in order from those at the angles of the front.

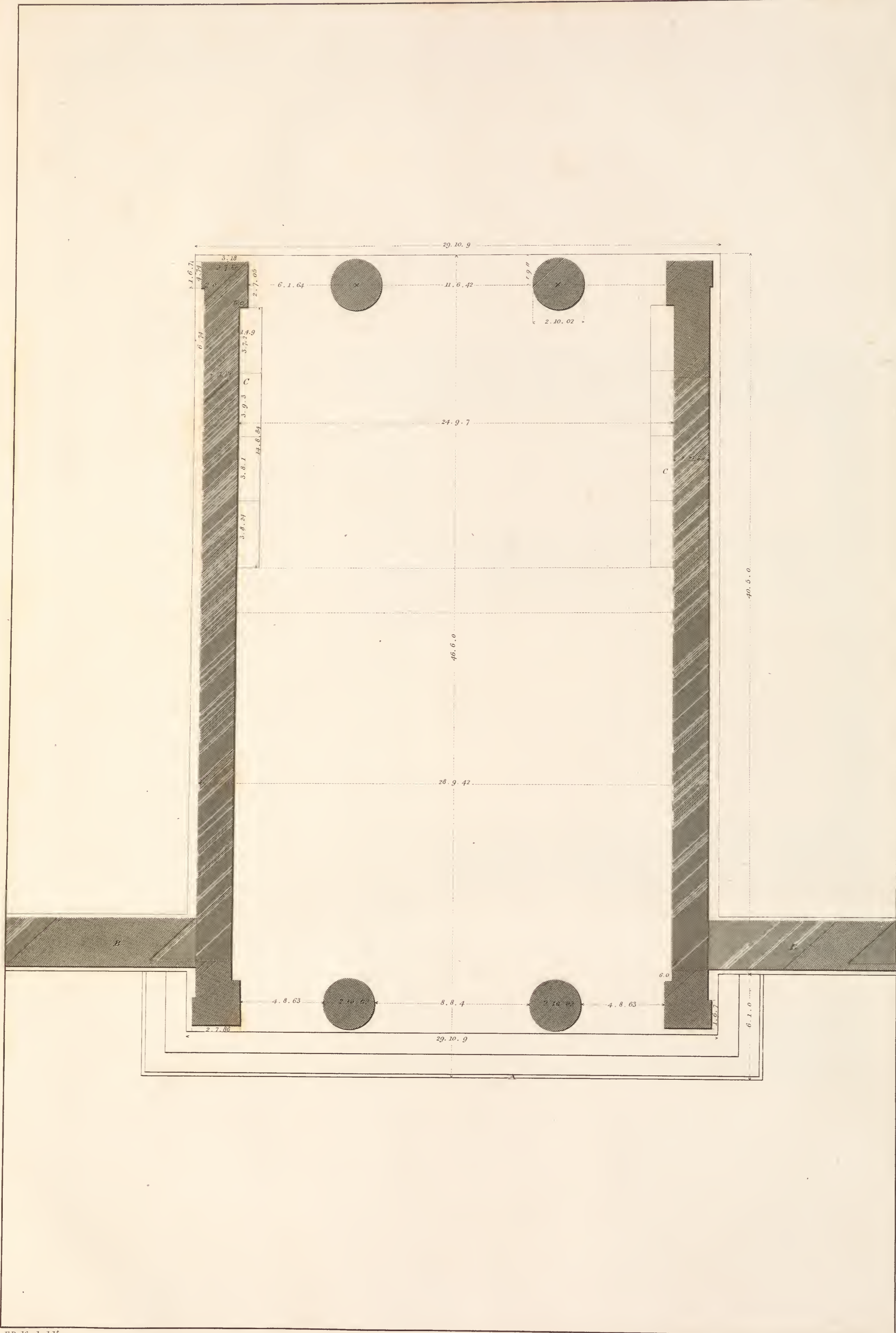
## PLATE VIII.

## THE ORDER AT LARGE.

## PLATE IX.

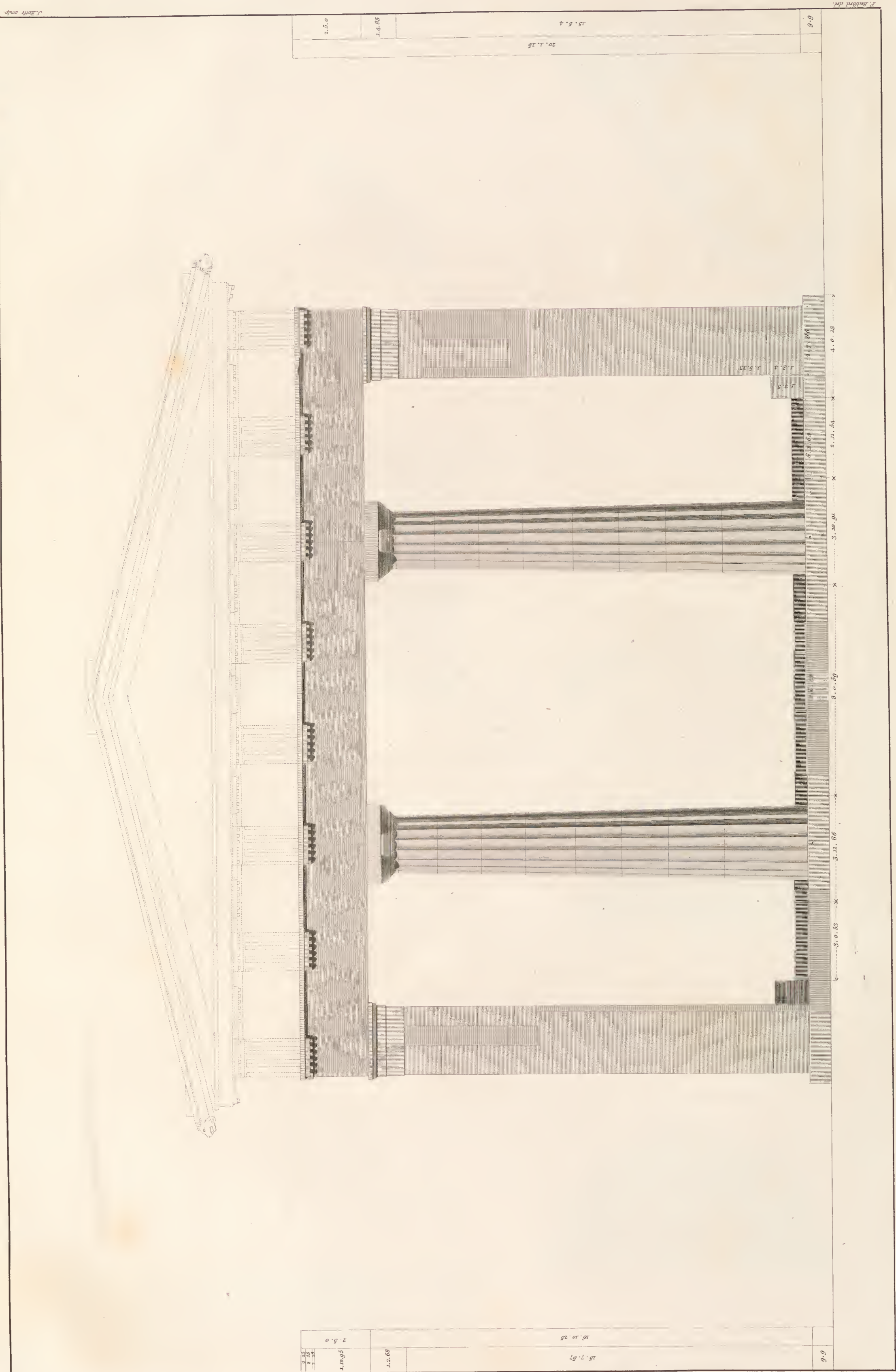
## SECTION THROUGH THE ENTABLATURE OF THE PRONAOS.

The frieze was ornamented with sculpture, representing the battle of the Centaurs and Lapithæ, now much defaced.









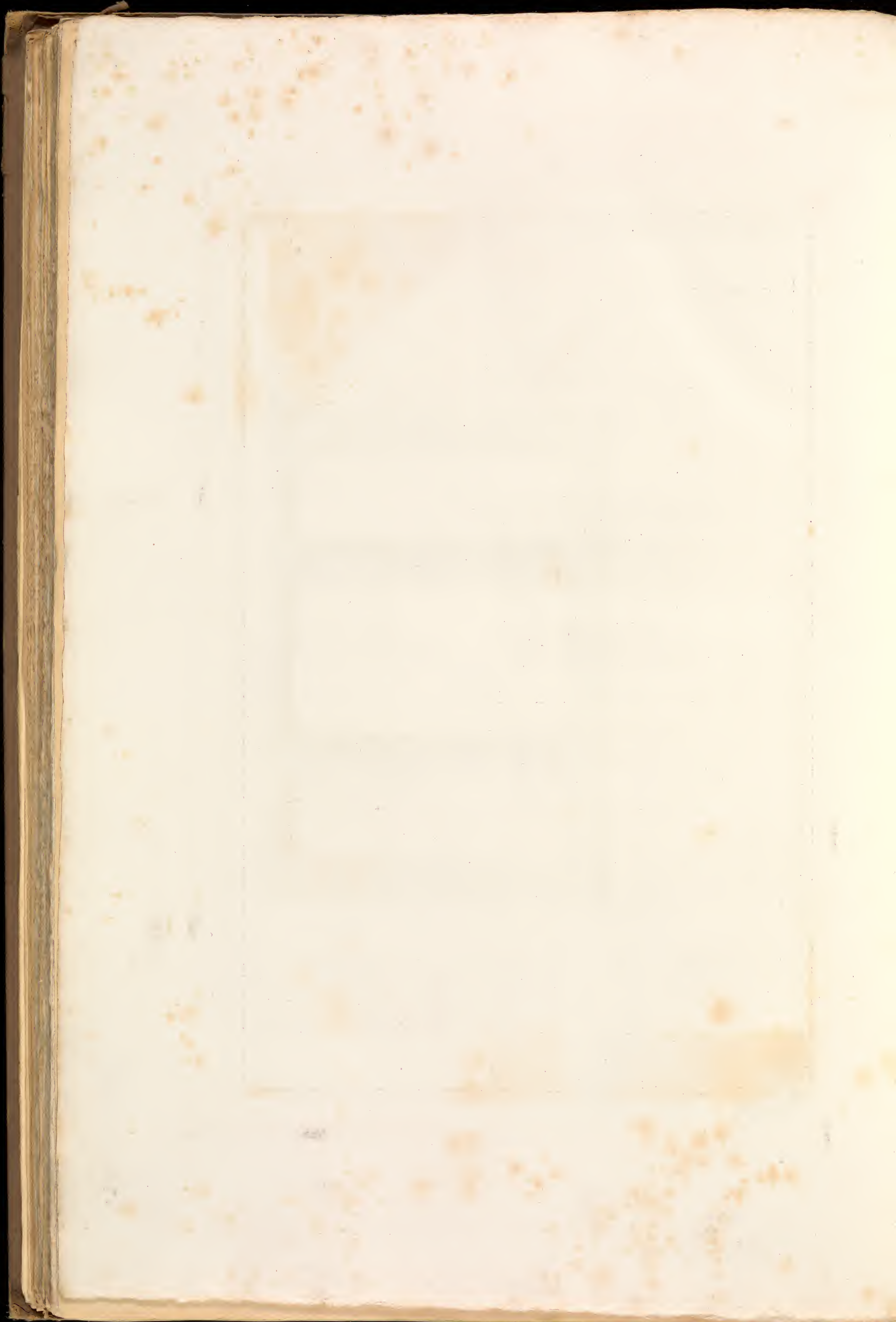


Fig. 5.



Fig. 4.

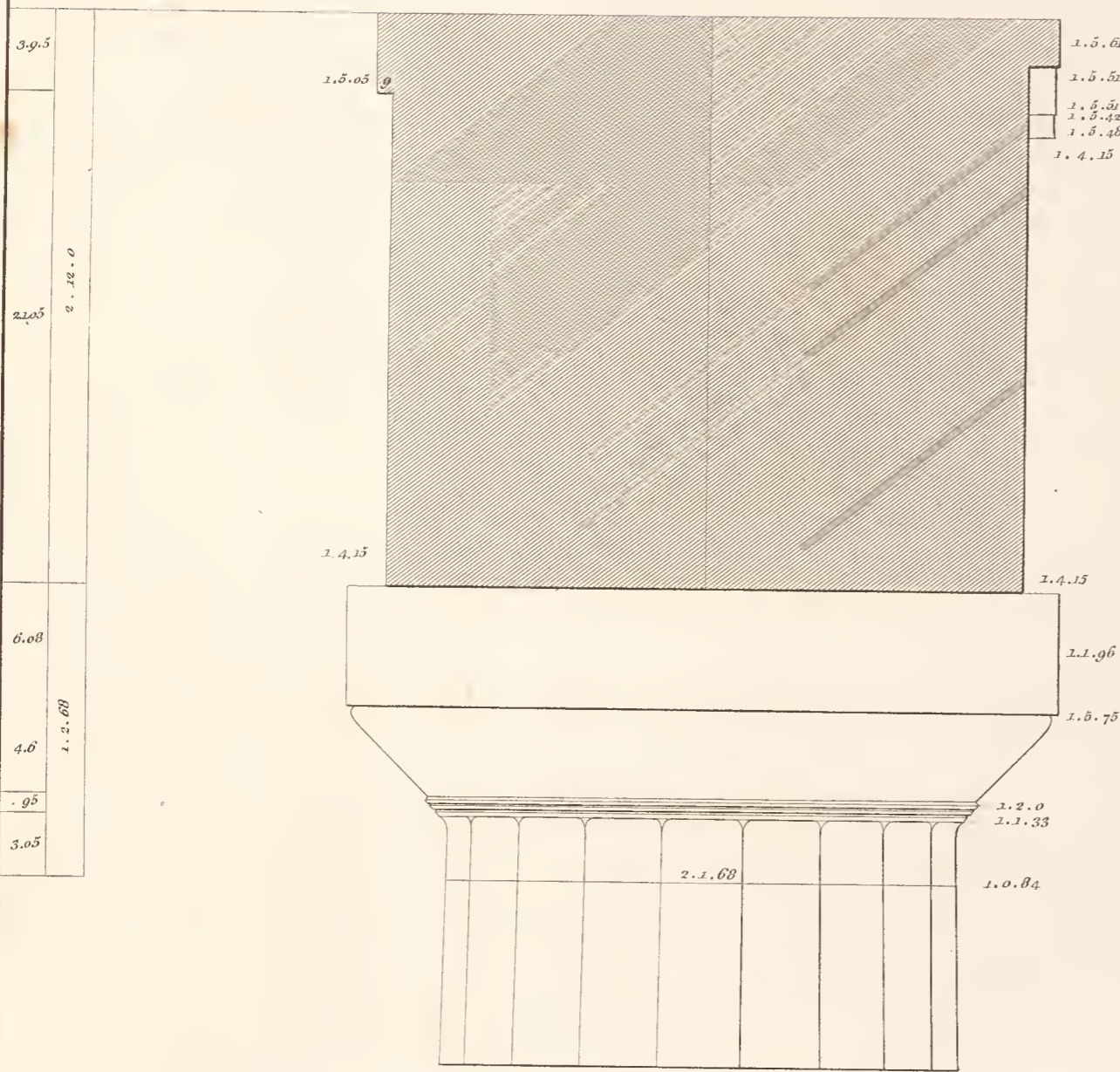


Fig. 1.

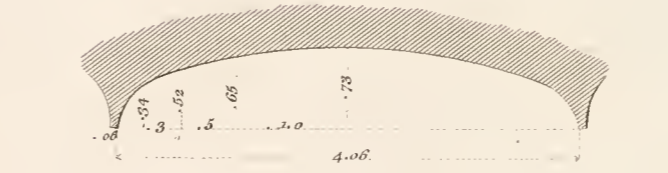


Fig. 3.

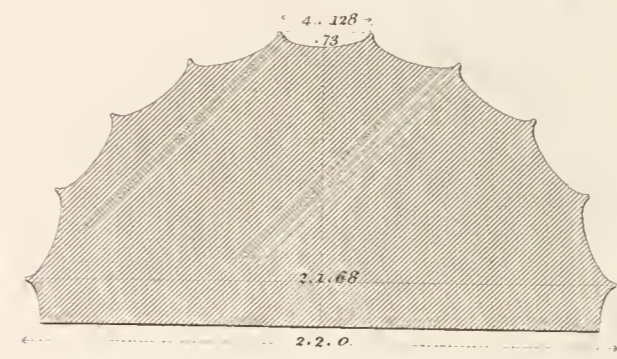
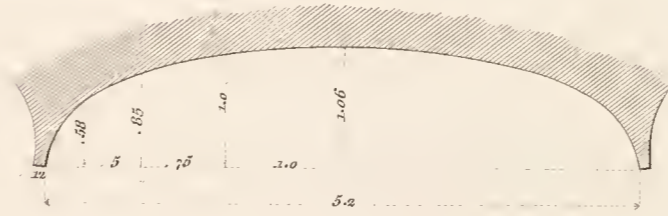
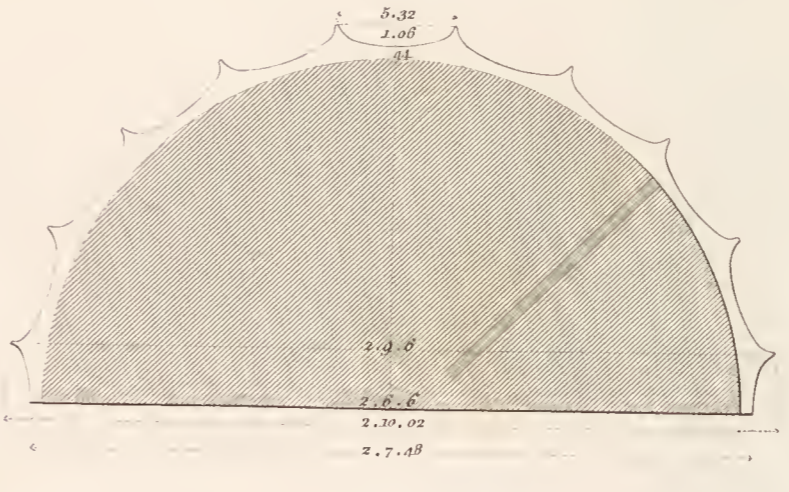
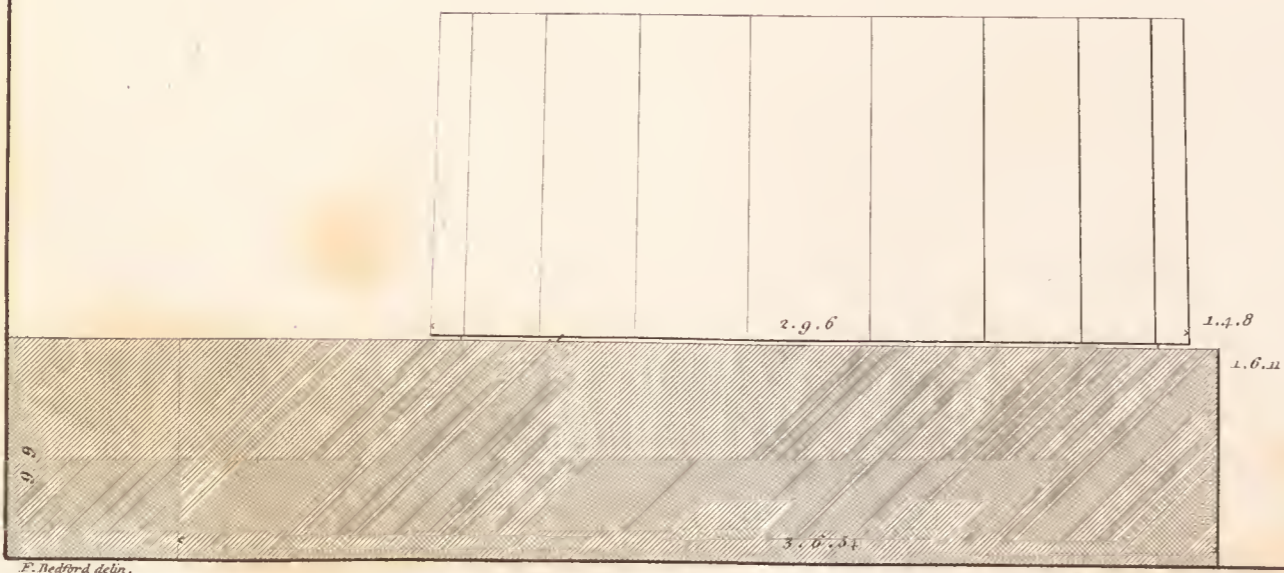
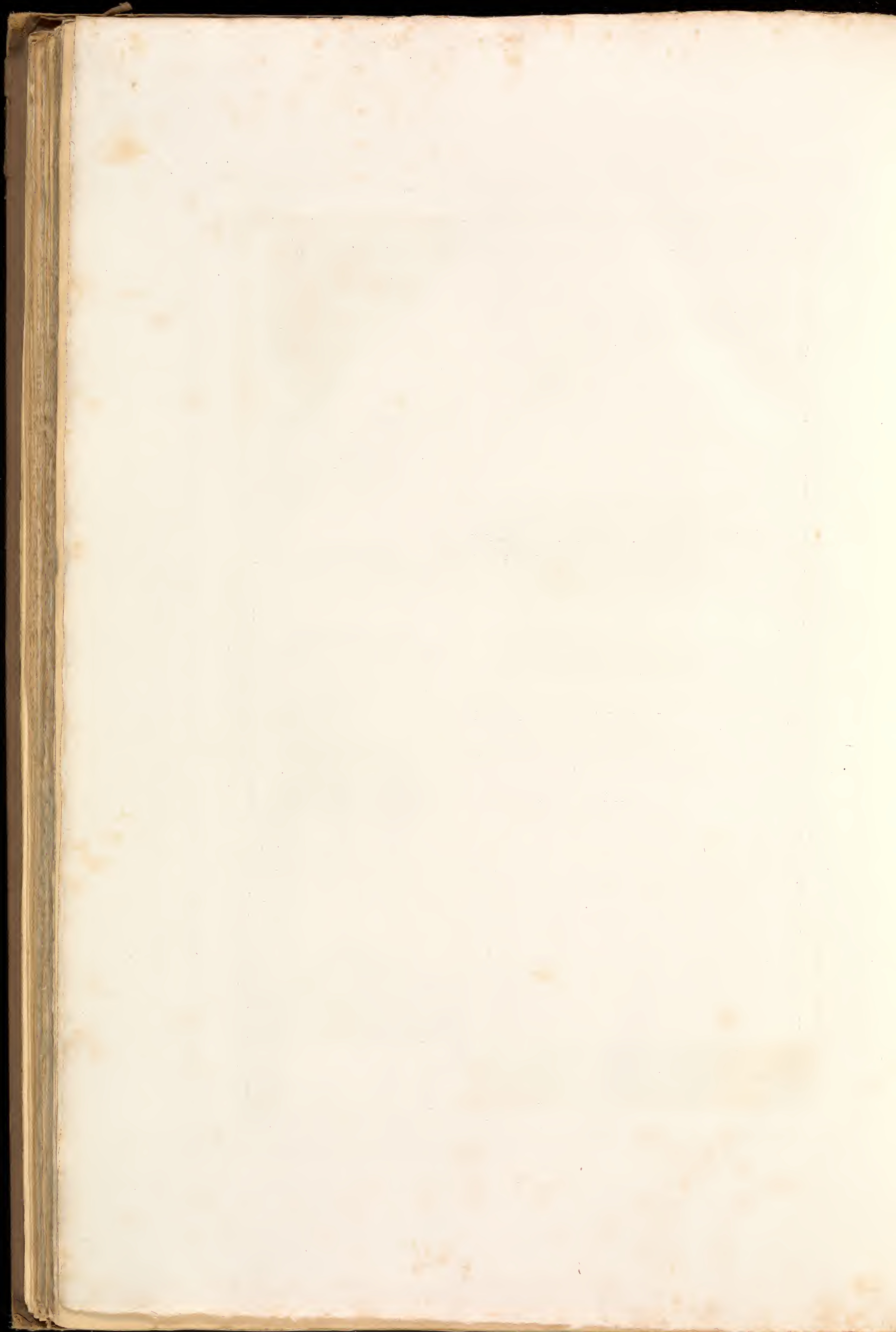


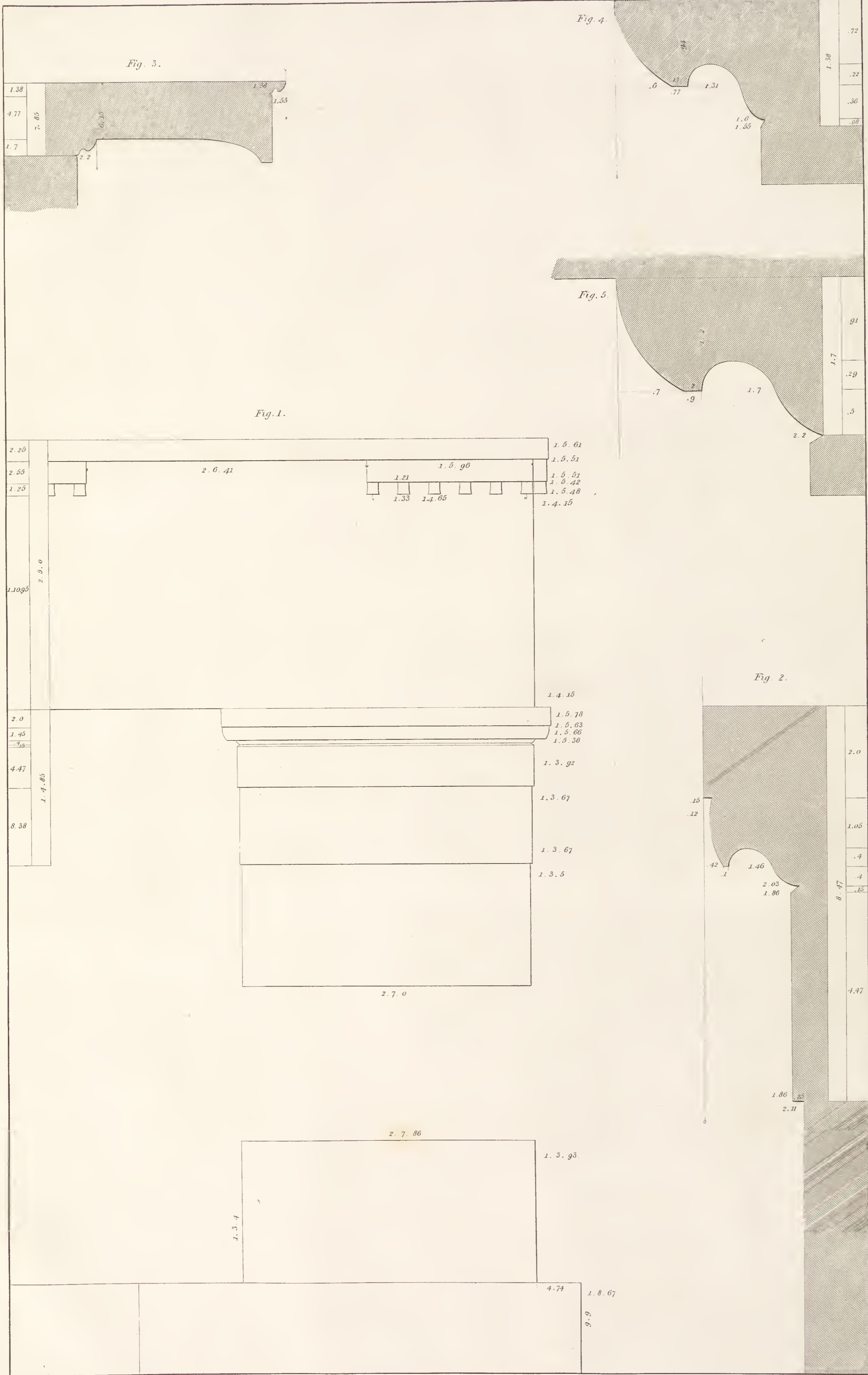
Fig. 2.



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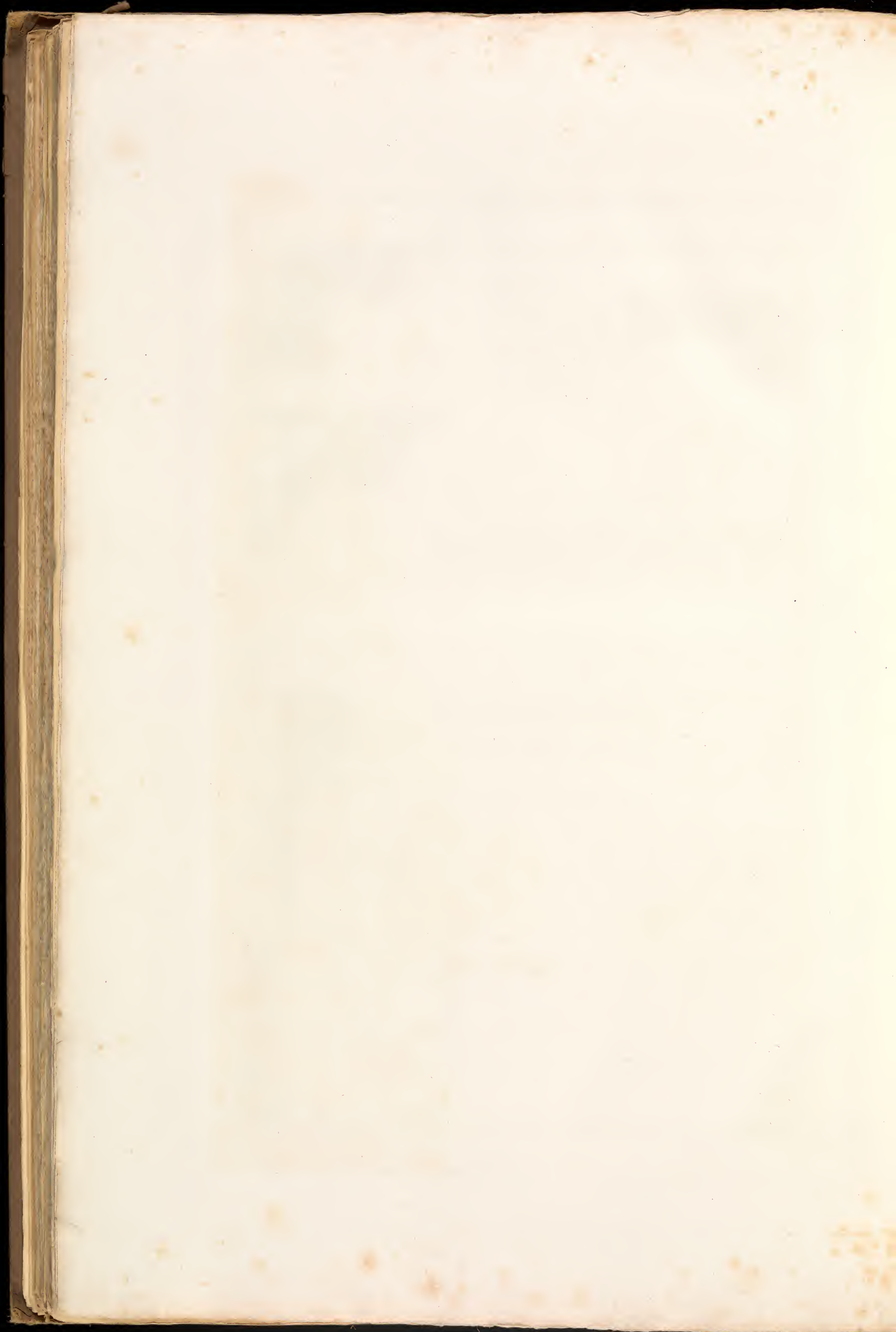
L. Reed Sculp.





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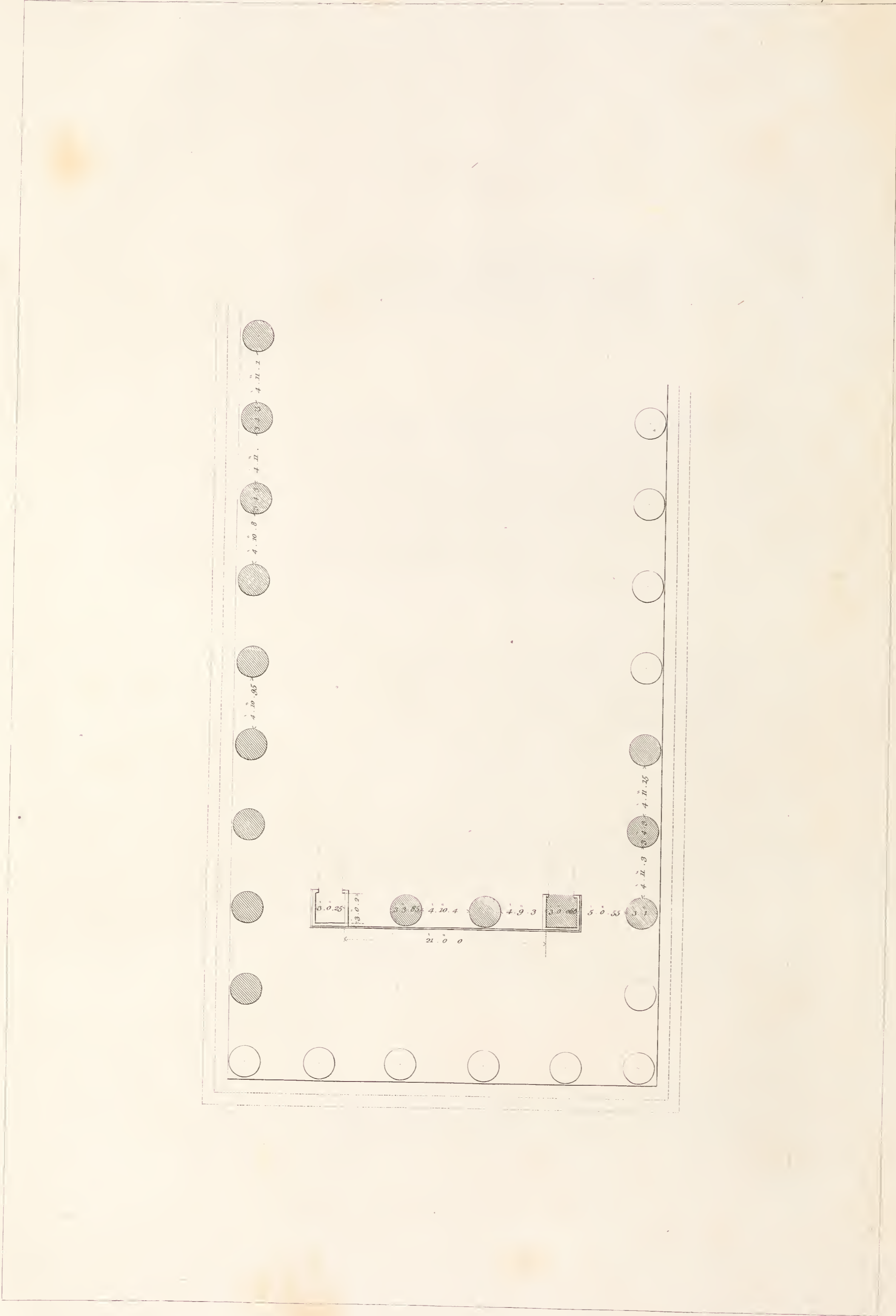
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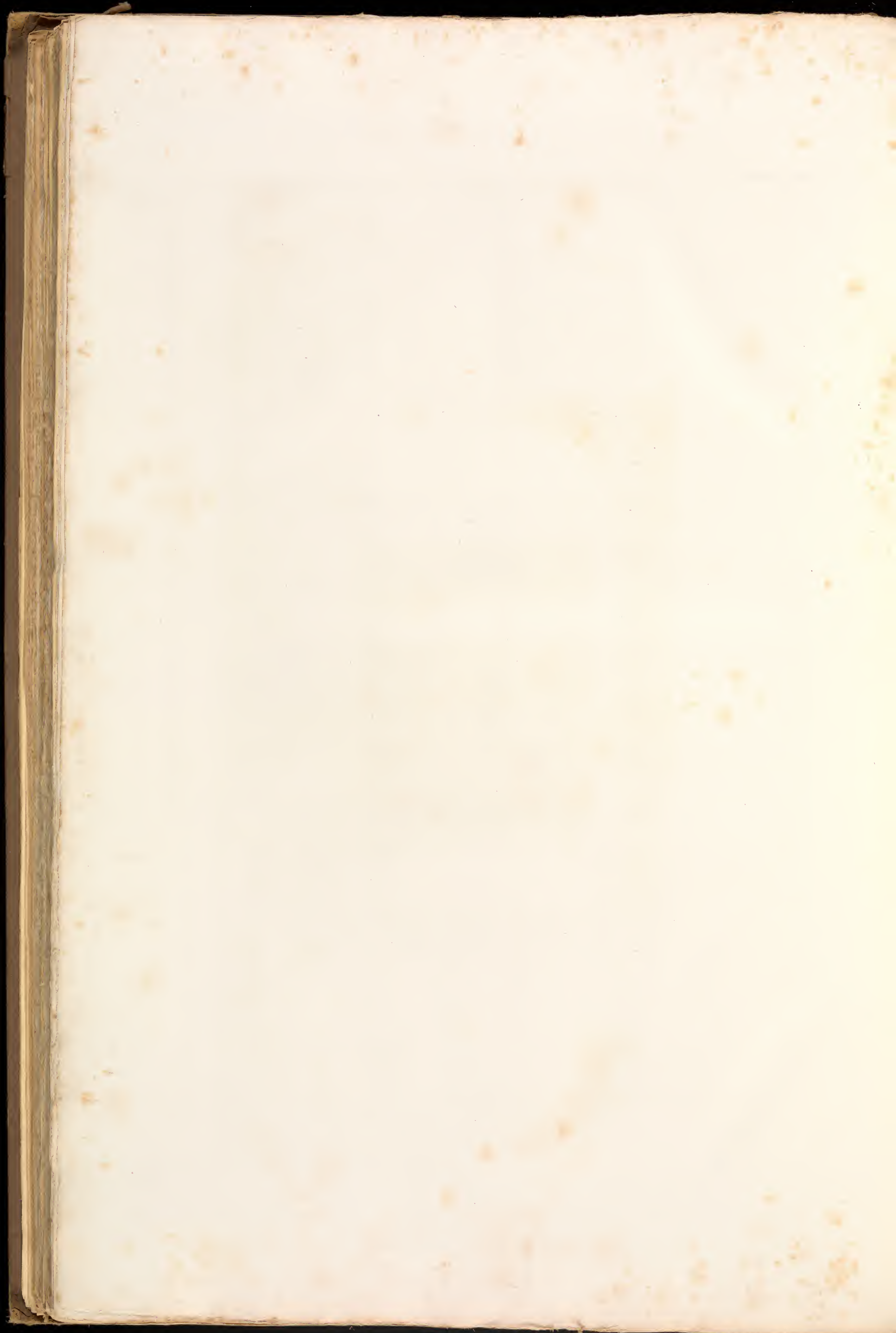


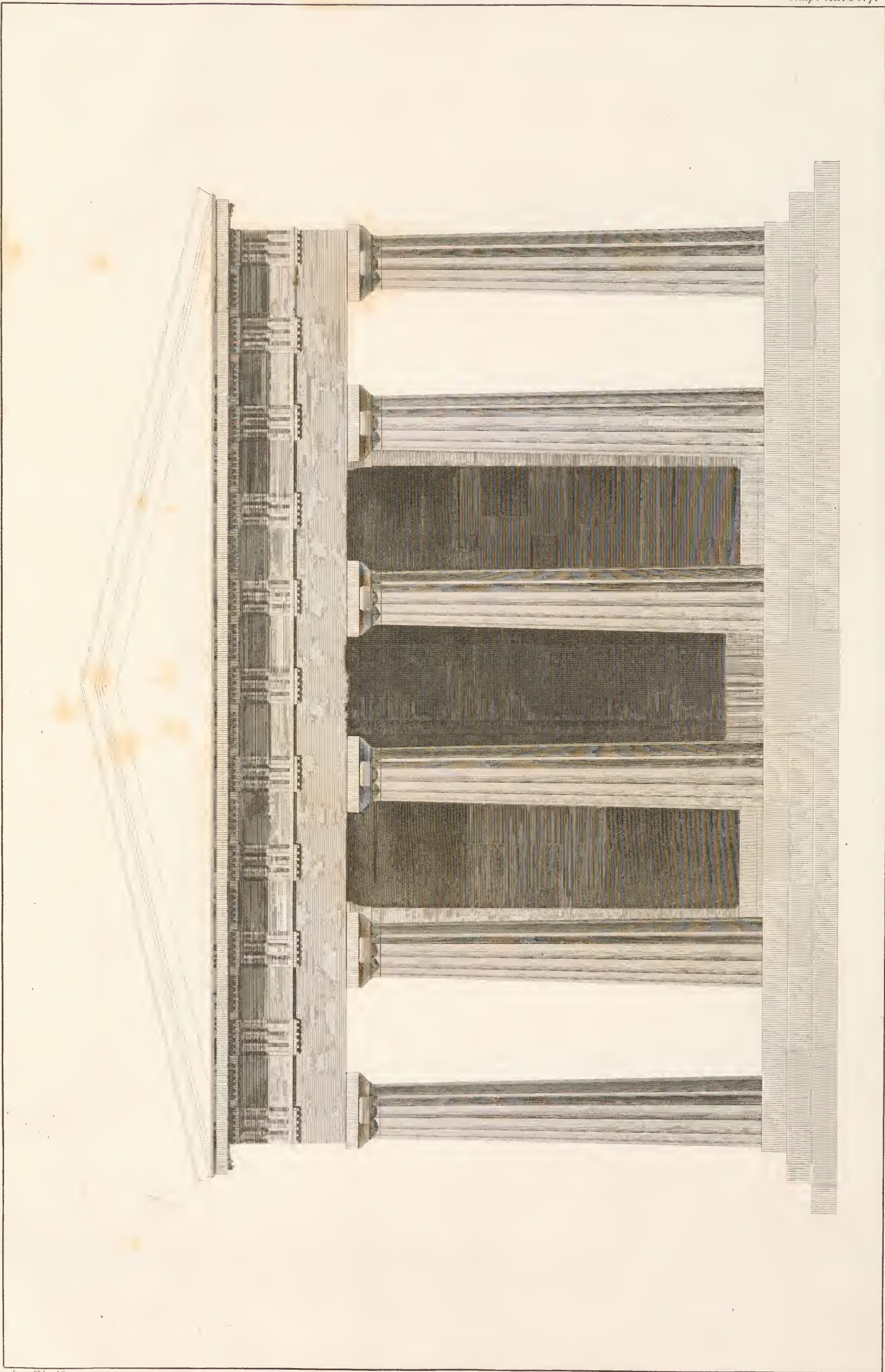




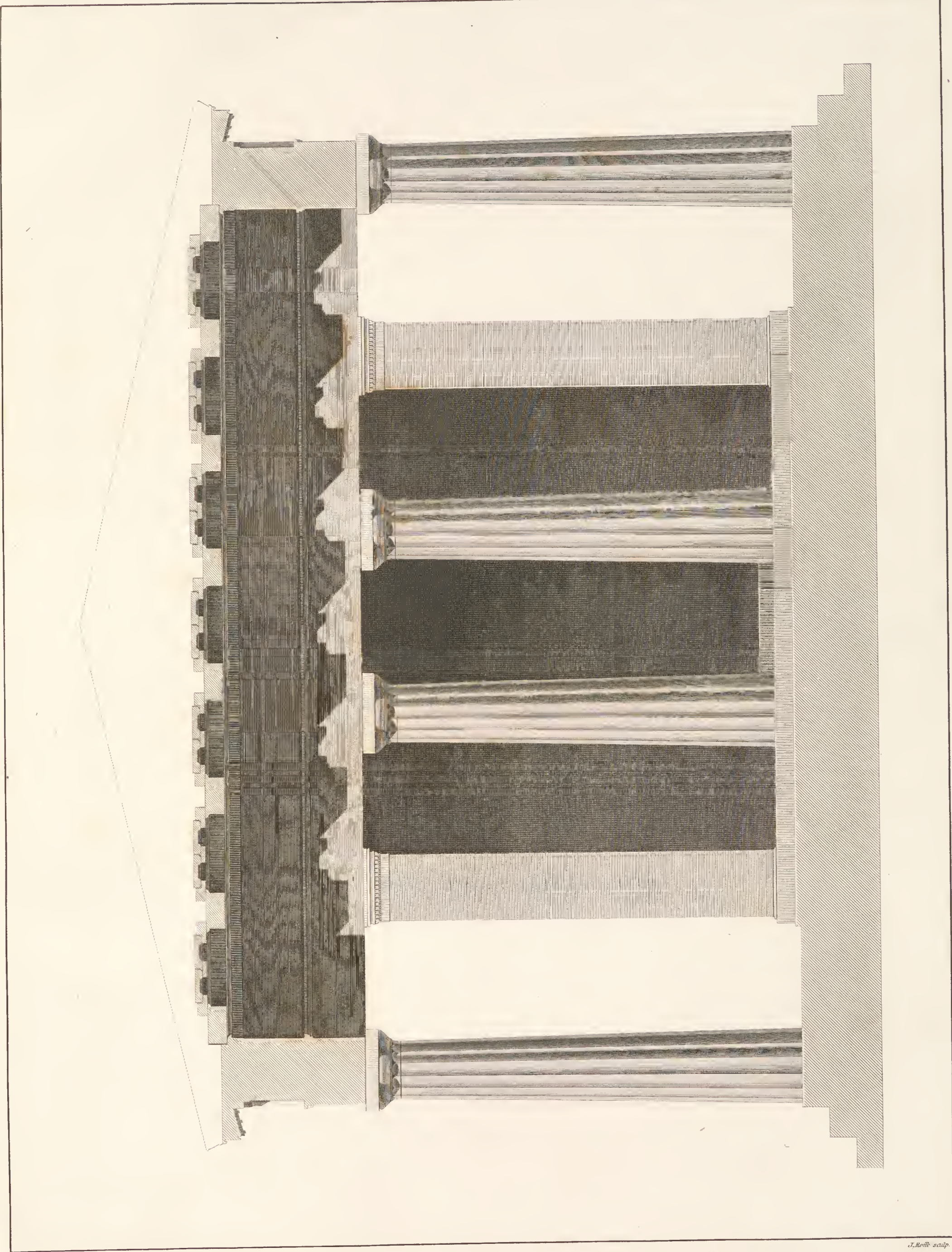


James Newton sculpit





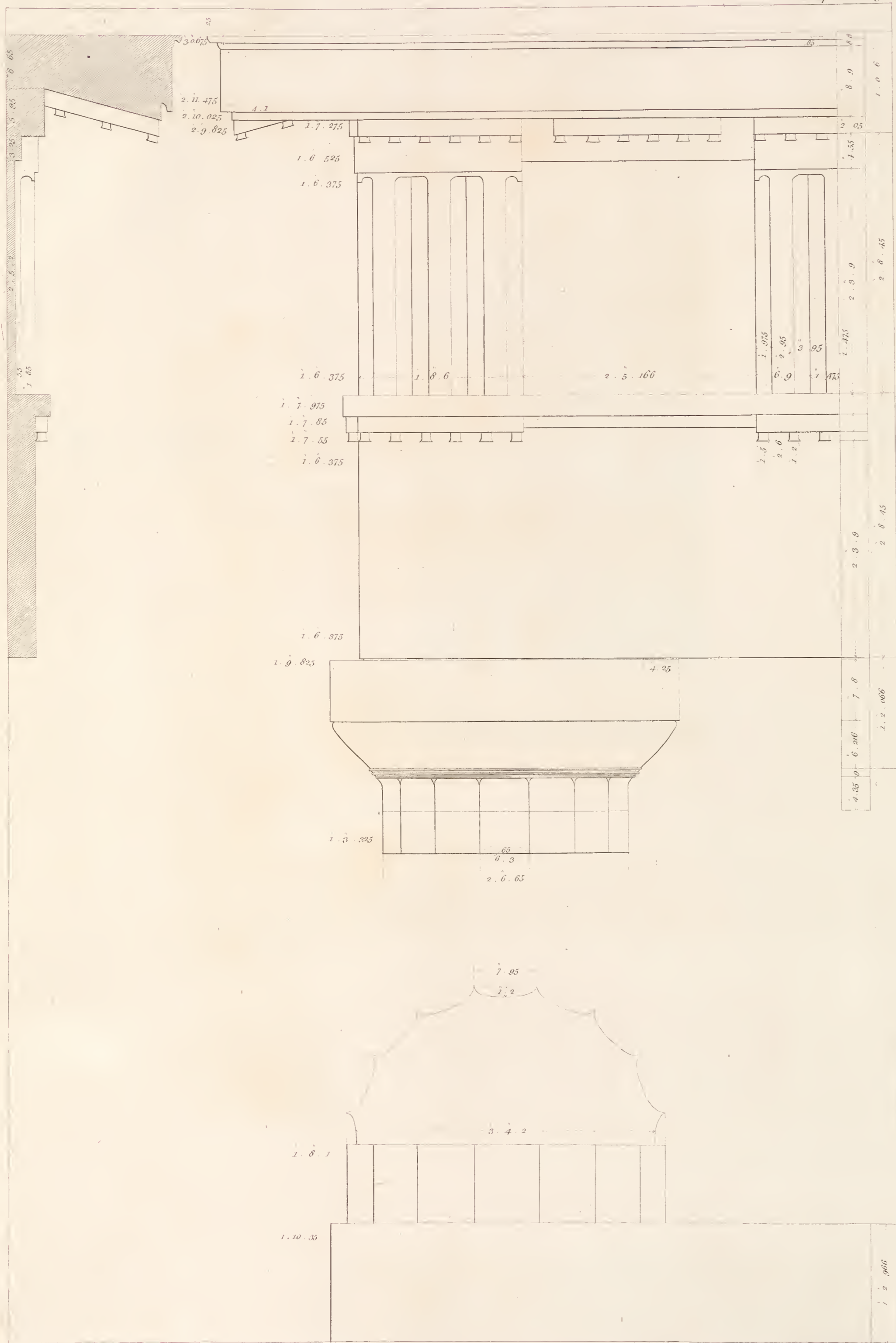




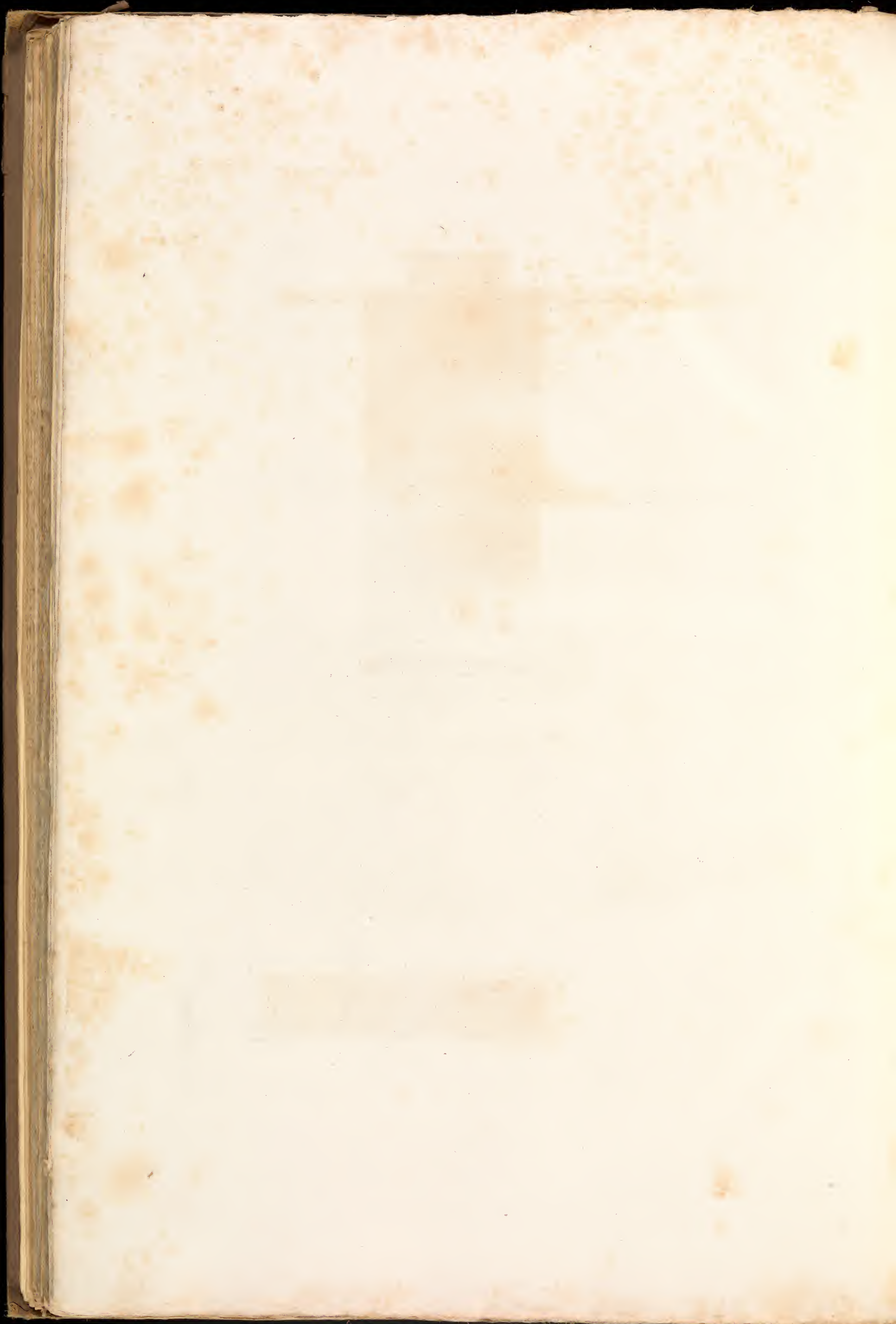
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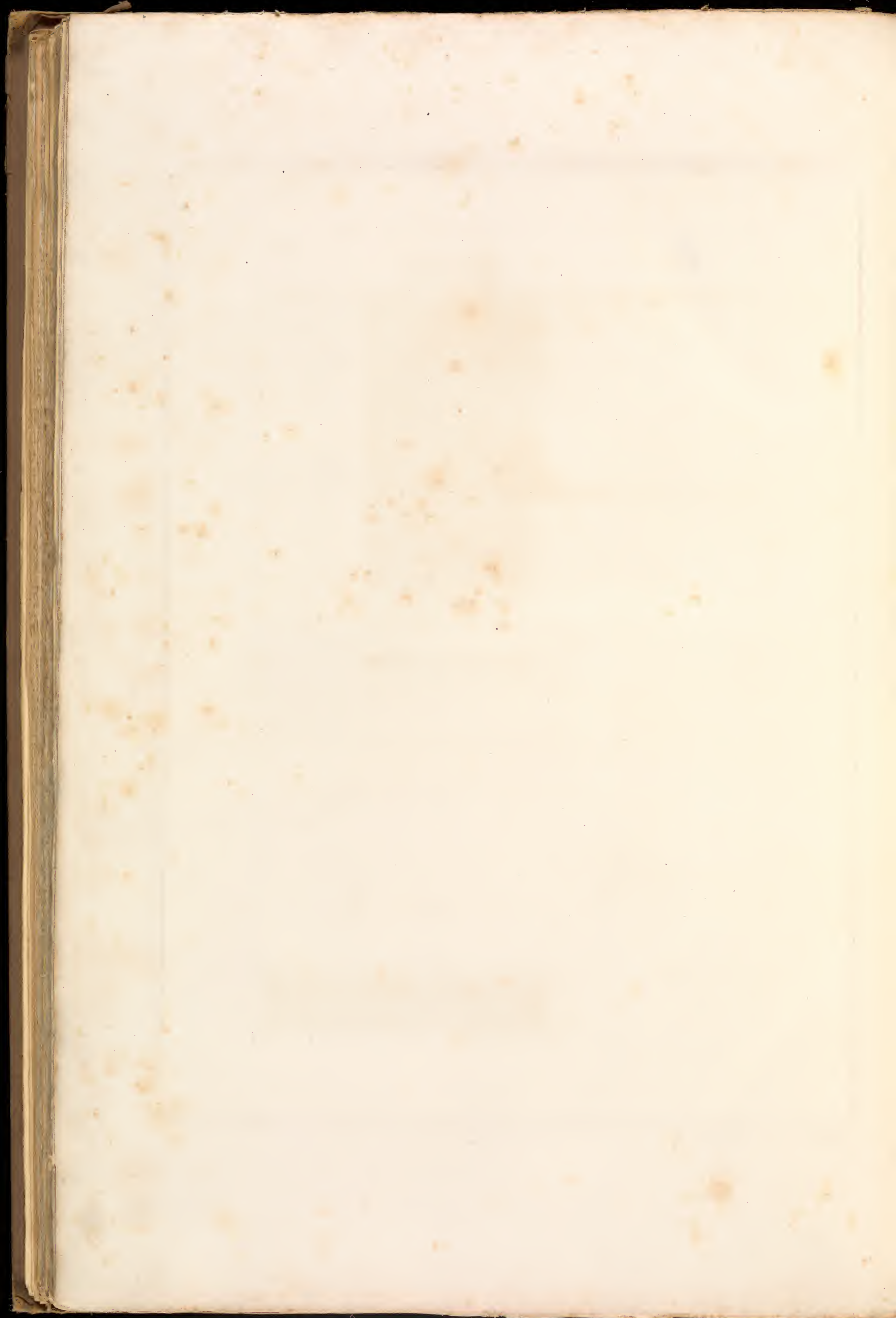


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## CHAPTER IX.

## THORICUS.

**T**HORICUS, one of the demi of Attica, was situated in a plain upon the eastern coast about eight miles to the north of cape Sunium. The plain is embraced on three sides by a range of hills which circle round the bay: towards the east it is open to the harbour, now called *Porto-mandri*.

Thoricus derived its importance from its vicinity to the silver mines of Laurium; these were situated in a range of mountains extending in a direction nearly north and south from the port of Prasixæ, now called Raphiti, on the eastern coast ten miles to the north of Thoricus, to the southern shore. The extremities of this range are now called *Mauron-orēs*, and *Lauron-orēs*, both corruptions of *Λαυρίων ὄρος*: these tracts are strewn over with cinders and scoria. The town was fortified during the twenty-sixth year of the Peloponnesian war, and a garrison was placed there, as well as at Anaphlystus on the southern coast, and at Besa, midway between the two places, for the protection of the mines.

A little below a conical hill, on which the ancient citadel is supposed to have been erected, are the remains of a singular building, half buried in the soil brought down by torrents from the surrounding hills, and covered by mastic bushes, which have overspread the spot.

A number of labourers having been procured from the village of Keratia, about eight miles to the north-east of Thoricus, the brush-wood was cut down, and the soil cleared away to the depth of five or six feet. The lower parts of a Doric portico, having fourteen columns in the fronts, and seven in each return, were thus exposed.

The central interval between the columns of the fronts was enlarged after the usual manner of the Greeks, when the destination of the building demanded a wide approach; whilst in the

returns the intervals, excepting those at the angles which in all examples are less than the others, must have been equal.

No remains of walls could be discovered within the area; which circumstance, connected with the unusual width of the central interval in one of the long fronts of the building, seems to prove that it was not a temple, but an open portico. Within the area capitals differing from those found around the exterior of the building were dug up; they belonged probably to columns which extended along the middle of the space inclosed by the outer peristyle and supported the timbers of the roof.

### PLATE I.

#### PLAN OF THE PORTICO.

The portions of sixteen columns remain in their original situations; eleven on the east side, and five on the north-west. The angular columns of the south-west front are both remaining, and the place of the second column A. is designated by the sinking left in the pavement to receive it. It is this circumstance that enables us to ascertain that there were seven columns in the returns or ends of the portico.

The edge of the tread of the first step, and a narrow fillet next the foot of the second, are polished; the intermediate part is roughly worked; a proof that the building was never finished,

### PLATE II.

#### ELEVATION OF THE COLUMNS OF THE NORTH-WEST FRONT.

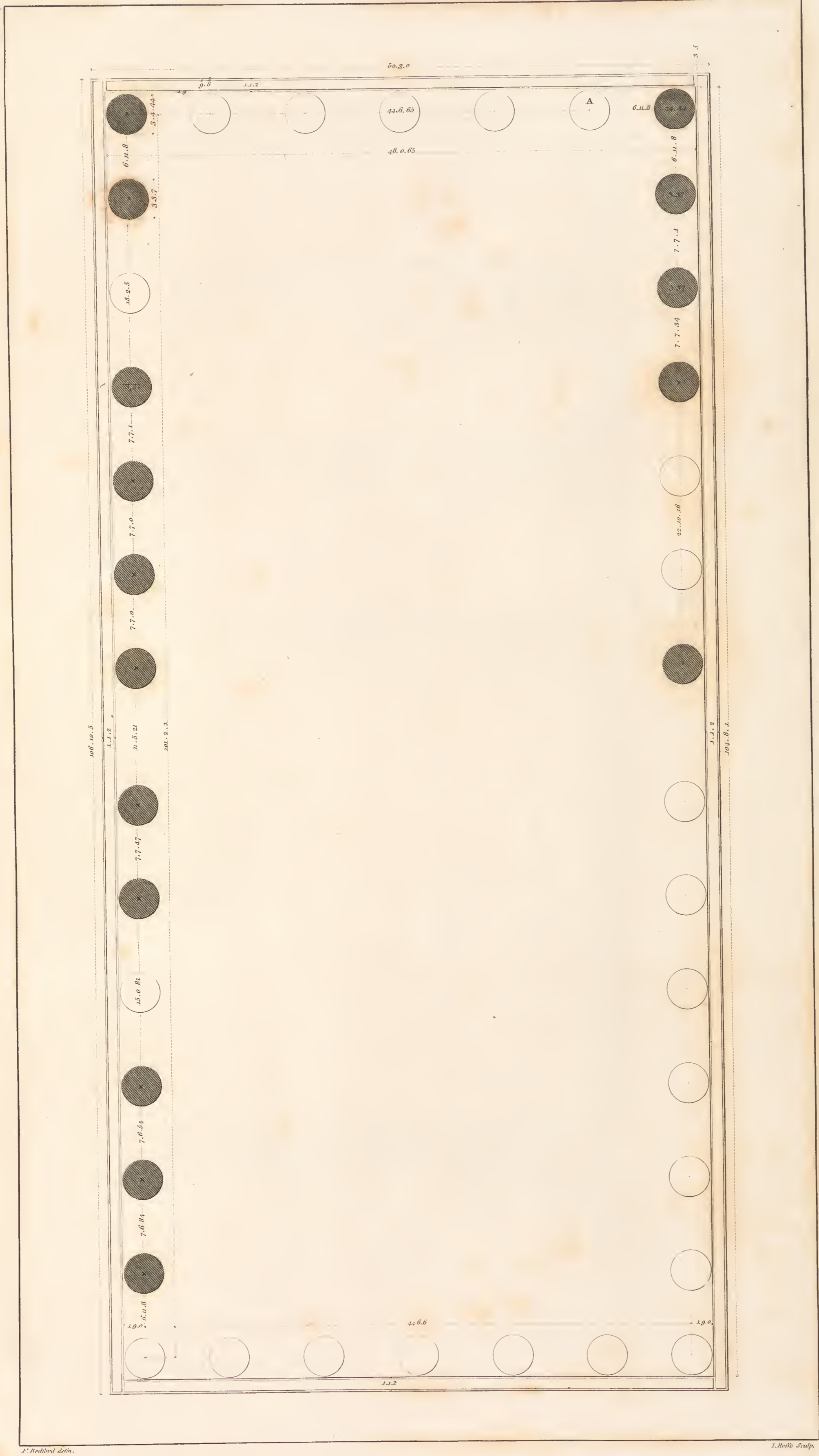
The height of the columns was ascertained from the fallen frusta of those shafts of which part were remaining in their original situations. The columns diminish nearly a fourth of their lower diameter, in lines perfectly straight. The shafts are plain, excepting a small portion at the top and bottom, which is fluted; above the flutings, at the base of the shaft, is a narrow band, or fillet, worked with an elliptical curve over each of the flutings: this is highly polished. The band below the hypotrachelium, or neck of the column, is likewise polished; the plain part of the shaft exhibits the marks of a pointed tool over its entire surface. Projecting knobs were left in front of the blocks forming the steps; these were probably intended to be worked off when the building was finished.

## PLATE III.

## DETAILS OF THE BUILDING.

- Fig. I. The order at large.
- II. Plan of the shaft at the bottom and top.
- III. Capital of the exterior columns, half the real size.  
A. Annulets of the capital, the full size.
- IV. Capital of the interior columns, half the real size.  
B. The mode in which the flutings finish against the annulets.  
C. Annulets of the interior columns, the full size.
- V. Plan of the steps at the angles of the building. The shaded parts are those left unpolished.





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J. Bell Sculp.

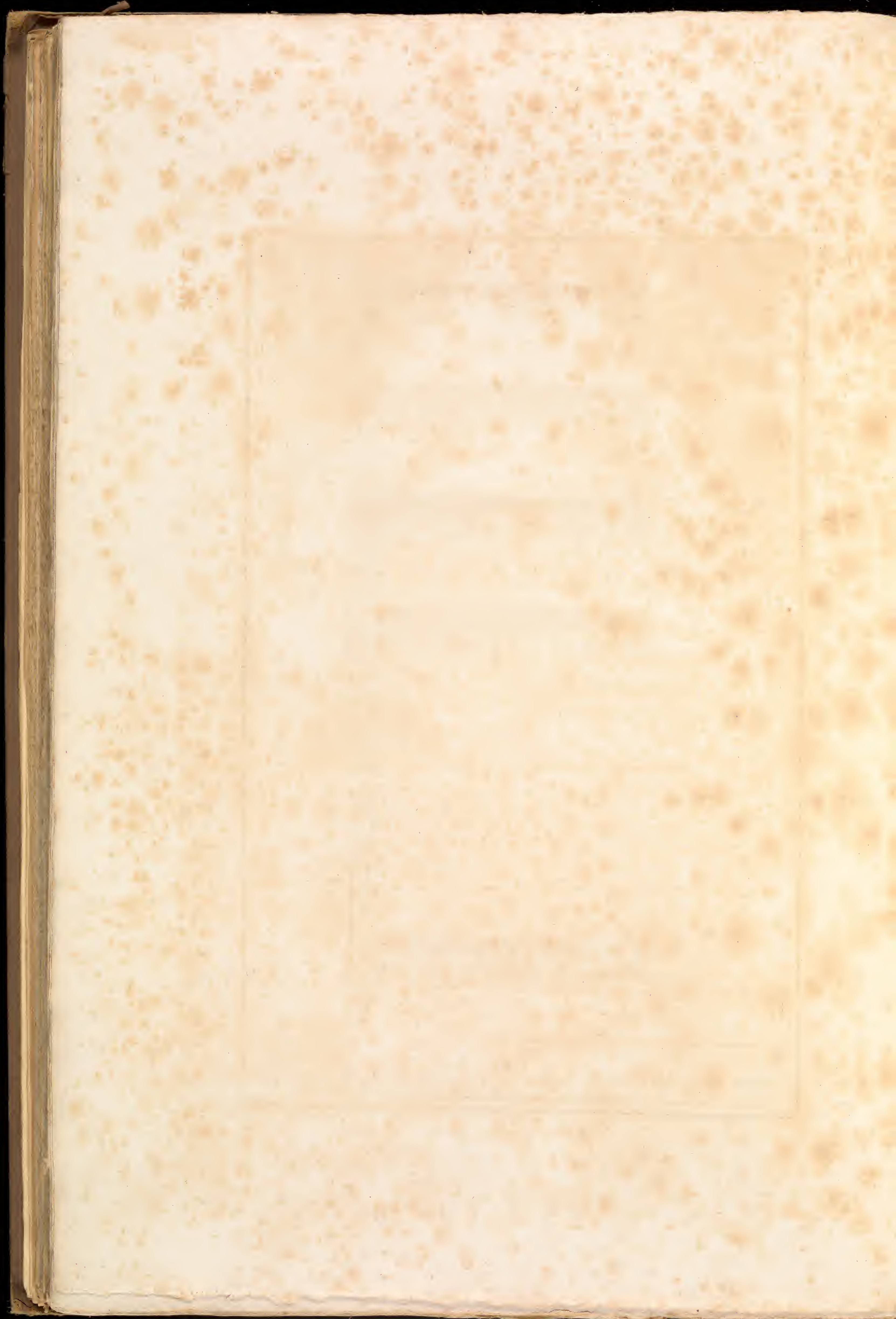


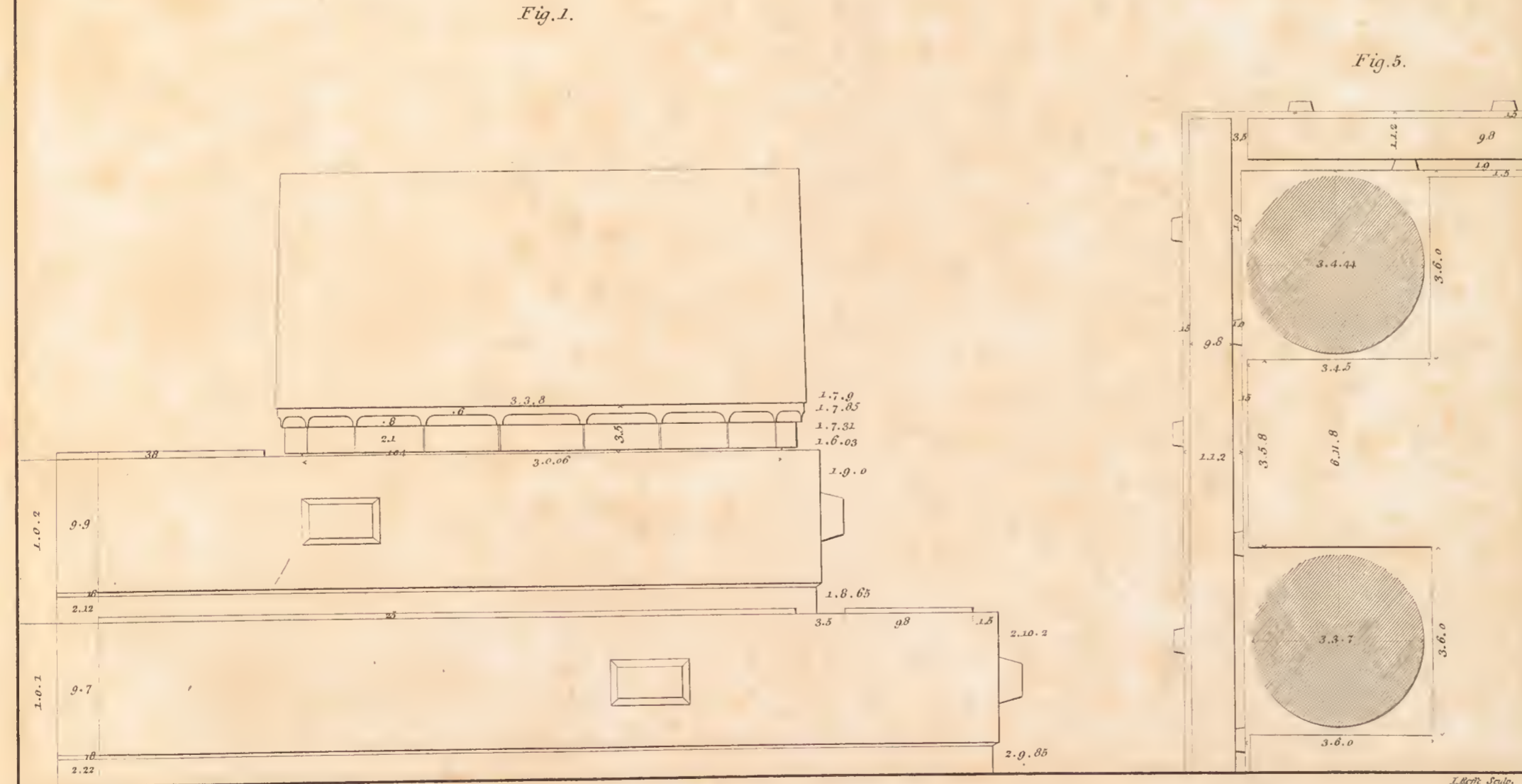
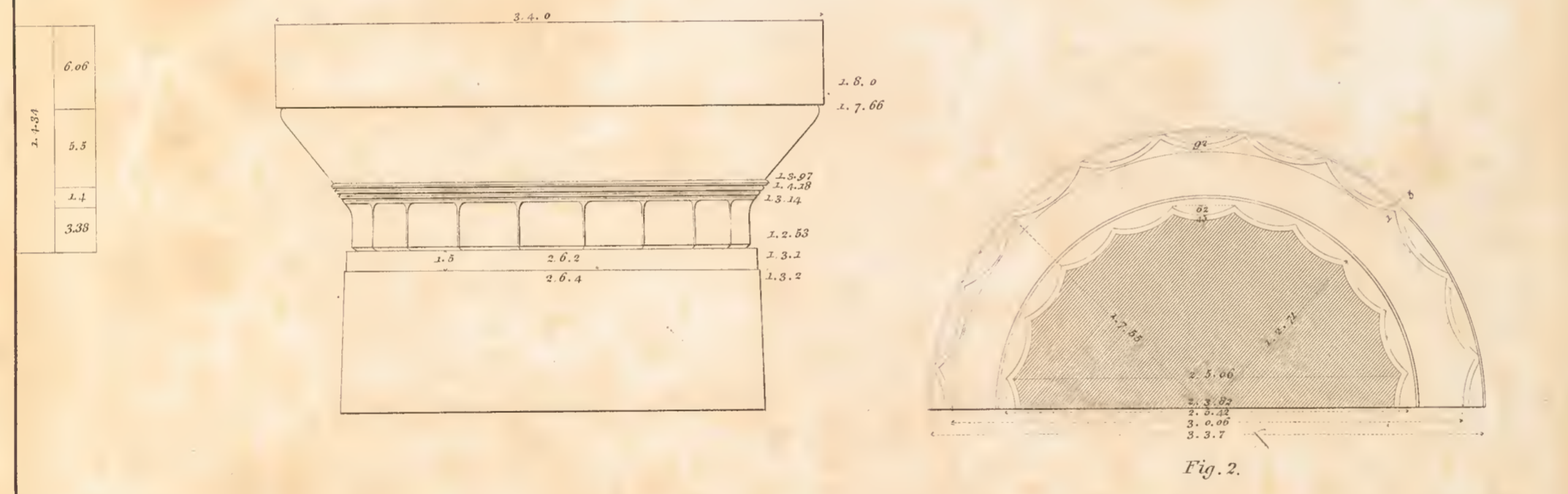
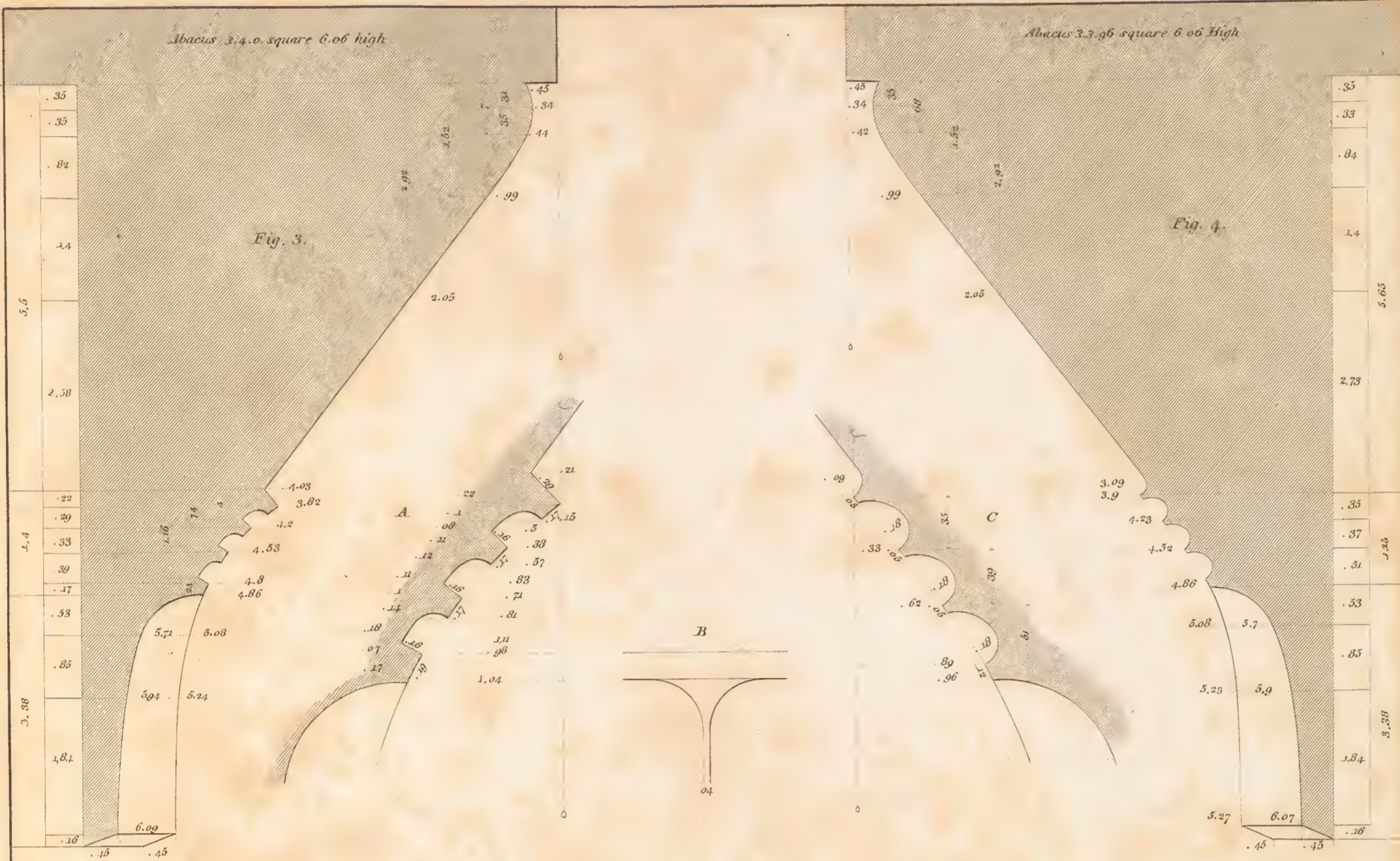




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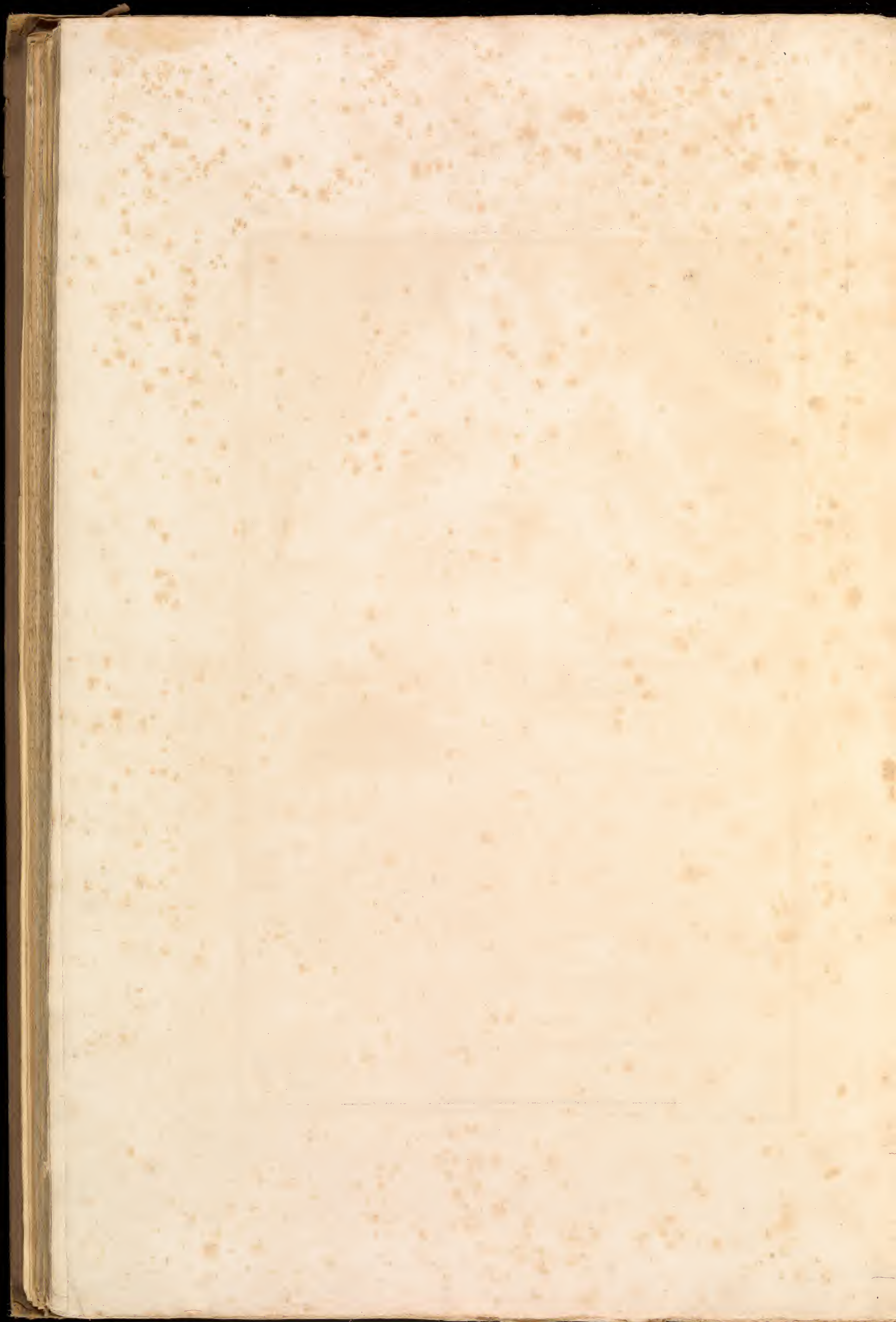
J. Smith sculp.

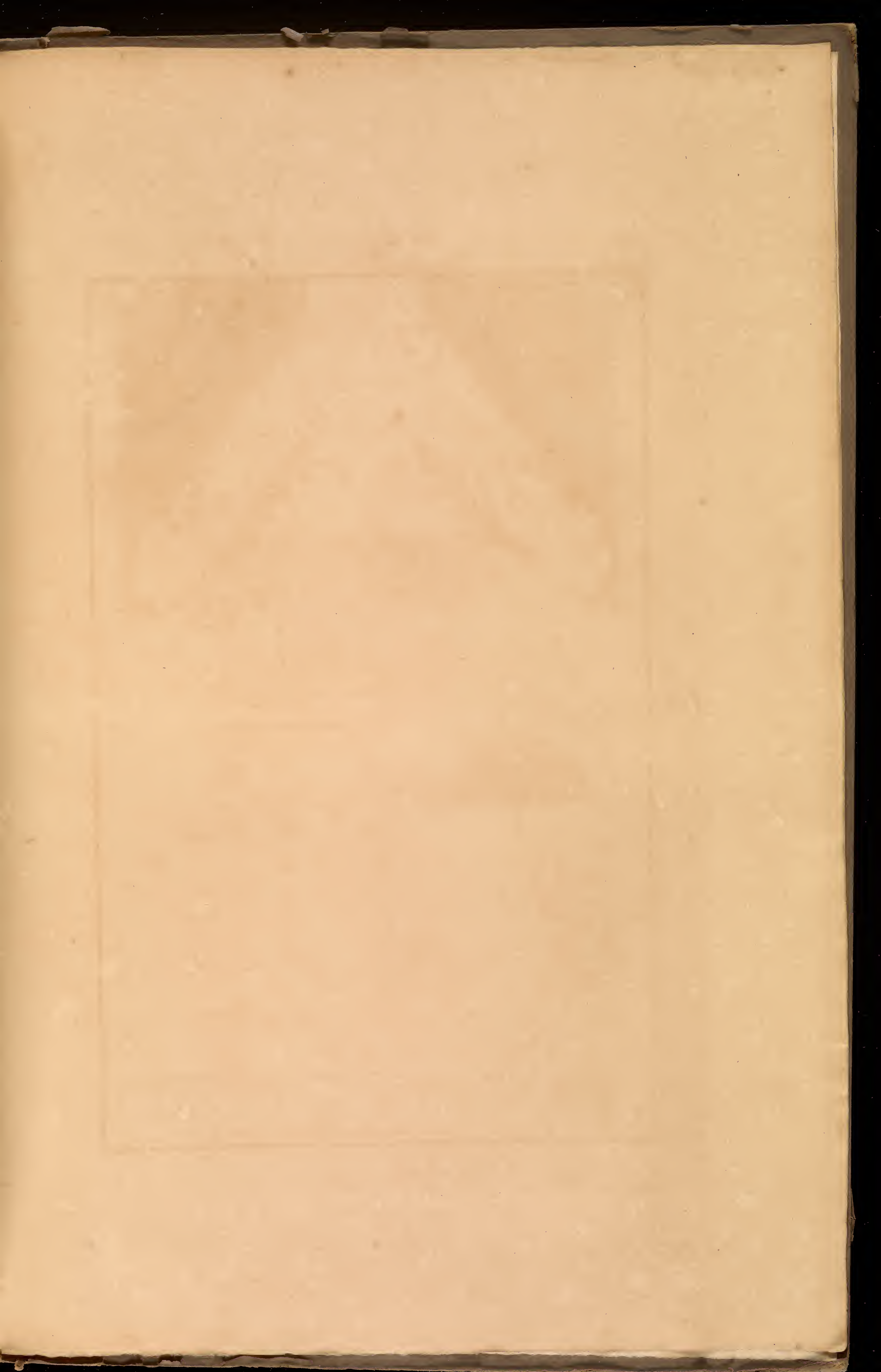


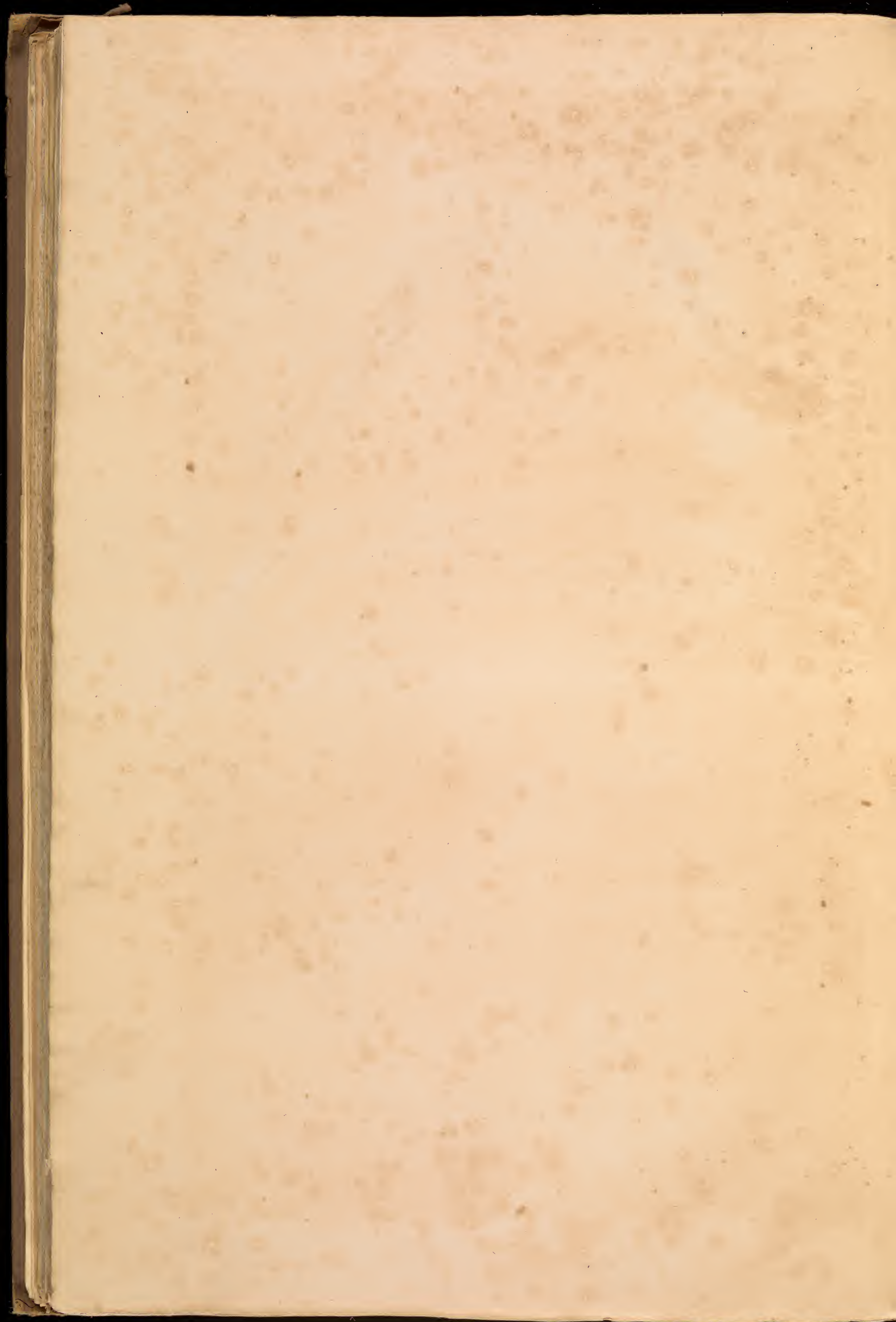


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J. M. W. Sculp.







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