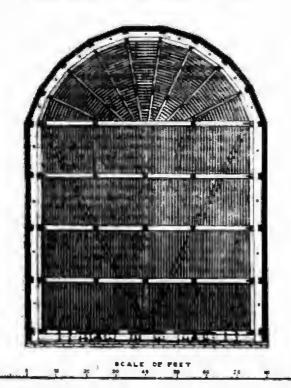
ROOF OF THE SHELDONIAN THEATRE, OXFORD. SIR C. WREN. ABCRUTECT.









the Shaldenian Theatre, Oxford, designed by Sir Christopher Wsen, These stplain the construction, and for a more detailed explana-tion the "Parentalia" may be referred to. G. T. JARVIS,

## "TOM "APRING'S " MONUMENT, AND OTHERS.

Wn find it stated that it has been decided to entrust the execution of the monument in benear of the late boxer to Mr. Carew, jun. " It will be of the late borser to Mr. Carew, jun. " It will be a equare piller surmounced by a modal of the cup presented to Spring by his friends at Harvierd, on the top of which in a face barve/ At the base are a dion and lamb reposing together, and in the centre is a modallion of the ex-champion." Surely it is time to have the barrel when we reach the bier; to give up the "fancy" when we deal with the grow. Let these who have the ordering of it think again and spare us the contemplated error.

You have recently done much good service

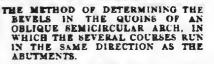
ROOF OF THE SHELDONIAN THEATRE, by exhibiting, for public condemnation, some OXFORD. ANNEXED, are Mustrations of the roof of our oburchyards, in the shape of "epitaphs." This morning, as I passed the workyard of a statuary near Kennington-cross, I observed a newly-executed headstone, about to be placed by the grave of two men, a driver and a fire-man, lately hilled on some railway. The usual inscriptions, including the circumstances under which the deceased met with their deaths, were followed by these couplets :-

- The two that he bounds this and Wave andbudy examon'd to meet their God : The reil of his no more they'll travel. Called the reveal'd future to unruel."

I had thought the age of each doggerel nonsense had pased away with a former gene-ration; but we seem still to have among us some "grave" ports, emulous of sharing the honours of their predecessors. It is a grant sors. It is a great pity oo authority exists to prevent the introduction into the sacred repositories of the dand of what must only und to excite ridicule. D.

The inco ent has, enrely, power to pre-

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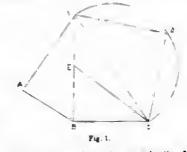
VARIOUS theories of the oblique arch have been proposed by different individuals. It is not, however, our present object to inquire not, however, our present inject to inquire into the merit of any particular scheme, bat simply to snow the method of finding the proper bevels, and constructing the moulds for the quoins of an oblique semicircular arch, when the several courses run in the same direction as the abutments; the obliquity of the plan or its deviation from the square, and the number of courses being known,

In resolving this problem, it is necessary to consider the form of the coursing-joints or beds of the courses, and also the angles that the face of the quoins makes with these beds, the planes of which being all conceived to meet in the central line of the plan when estended to that plane, the central line being parallel to the abutments.

This leads us to the contemplation of a rightangled triangular pyramid; that is, a pyramid formed by the mutual intersection of three triangular planes, two of which are at right angles to each other, and the third subtending the angle of their inclination, and which may, therefore, be termed the hypothenusal plane It is on the nature of the triangular pyramid formed in this way, that the solution of the problem depends; and we shall, therefore, in the first place, proceed to consider the pyramid as being developed upon a plane.

It is a well-known principle in solid geo-metry that the inclination of one plane to another plane is measured by the angle contained under the two straight lines, which being drawn one in each plane, to the same point of their common section, is at right angles to that common section

Let AV Band CVB (Fig. 1) be the two perpendicular triangular planes, expanded upon a plane surface by turning about BV, the line of their common section; and let CVD be the third plane of which the pyramid is composed, expanded upon the same flat surface by turn-ing about CV, the line of common section. of the planes CVB and CVD; then is VABCD the expanded pyramid, of which V is the verten; and the parts to be determined are the angles BBC and CVD or their supplements. the one measuring the inclination of the planes AVB and CVD, end the other being the angle at the vertex of the hypothemusal plane



Take any point C in the straight line VC, and from the point C thus assumed, demit the perpendicular CB on the line VB; and in like manner, from the point B thus determined, demit BA perpendicularly to VA; make BE equal to BA and draw CE; then does the angle BEC measure the inclination of the planes AVB and CVD, which is one of the

parts required to be found, Upon CV as a dismoster describe the semi-circle CDV, and influct VD equal to VA, or CD opani to CE: they will most in the point D, and DVC will be the angle at the vertex of the hypotheanest plane, which angle, or its supplement, is the other part required by the poshlem.

The truth of this construction will be clearly comprehensive by recomposing the pyramid as follows :- Let the planes AVB and CVID be conceived to be served about the base BV and CV, outil AVB be perpendicular to BVC;