ROOP OF THE GHELDONIAN THEATRE, OXPORD.




## ROOF OP THE EHETDDONJAN THEATRE

 OXTORB.AWNEETD, Montritions of the rool of the Shaldeata Thentre, IXford, dewigned by Sir Crimopiter Fing. Theep orplin the coastruction, and for more detalled arplanation the "Perentali" may to referred to.
G. T. Jasve.

## "TOM 'APRING"8" MONUMENT, AND OTREPS

We forl it otened that it bee beoc dacided to eatrent the exceutionef the monwreatm beener of the inter boser to Mr. Cervin, jus. It mill be a uquer paller curnomated by coodel ol the cup procented to Spring by bin frimede a
 At the beos ero. a dion and harb mpoint

 the barrel the resed lion ting to give ep
 Lat thoo ohe mave tuo erthete of in then agria and apere in the eompmpleted oreme.

[^0]by exbibiting, fus public conderamion, come of the mrached effaions which 10 diseredit our oburchyarde, is the abape of "epitapla." This moraing, I paseed the rorkyard of a statmary noer Kendingtov-erous, I abserved a newly-erecutad headecona, about to be placed by the graw of two men, a driver and a fireman, hitely killed oo eacer ruikay. The urual iancriptionn includiag the circumatances under which the deconed wot with their deache, were followed by these corplete :-
 Were enthoty mapma'd to emed their Ged : The ril of libe en mone ther'll treah.
Celind the rovel'd future to warit.

I lad thoogtt the age of seet dapowel nonsene had pawed awny with a former peope racion; but ve eeve aill to have amone us come " crive" poets, ecwalone of charion the bosours of their predectenarn. If $b$ a mive pity oo andtority asimes to prenent ibo betroduction into the ascred reposinarine of the dand

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THE METHOD OP DETERMINING THE BEVELS IN THE QUUINS OP $\triangle N$ OBLIQUE BEMICJRCULAR ARCH, IN WHICR THE SEVERAL COCESES RLN IN THE SAME DIRECTION AS THE ABLTMENTS.
Vamove ibeories of the oulique arcb bare been propoeed by differeot individusia. It is Dot, bowerer, our premal abject to inquire tosto the merit of alay partienlar ecbeme, bat timply to stow the metbod of fadting the proper berelw, and coastructing the monld: for the quoin of on oblique eeaicireniar asch, whea the several caurses rua io the mane direction as the abutconote; the obloqnity of the plan ar in deviation from the square, and che number of coursee being koown.

In rewolving thin problem, it is decesamery to connider the form of the coursiage-joint or beds of the courmet, and almo the atuglee that the face of the quoine makes with these bedo, the planes af which being all concrived to meet in the central line of the plan when estended w that plene, the central wide being parallel to the elutmente.
Tbin leade os to the cootemplation of a rich bt. anplod triapgular pyramid; thes is, a pyramid formed by the mulual intersection of three triangular planes steo of which are at righs anglea to each other, and the third enbernding the angle of their iocliastion, sod which ang, therefore, be verened tha typotbesumel plase It in on the palure of the triangular pyramid formed in thid =ay, that the eclution of the problem depende; and we shall, therolore, in the first place, proceed wo comider the pyrawid as besag dereloped upona plene.

It is a well-known principle in solid geometry that the iacliation of oos phas to soorber plane is meresped by the angie comtuived mader the two straight lianes, which being drock ove in eact plane, to the some poins of ther common section, is at right agglea to that commor sacition.

LetAt Bead CVB(Fig.1) be the two perpradieular triengaler planes, expeoded upon a plame aurface by taroing abouk BV, the thee of their comanon section: and les CVD be the thind plane of which in pyrasid is compooed, erpacoced apon the mame tat surface by turning about CV, the line of eormmon section of the , hasen CVB and CVI; then is VABCD the expeoded pyramid, of which $V$ is the rerter ; and cheparit to be determined are the anale BEC and CVD ar their aupplemento the ene manuring the inclination of abe planes AVB and CVD, and the okber beinf the angle at the rerter of the brpotheroand plane DVC.


Toke acy point $C$ to the manth hoe VC, and from the point C then acoeword. denain the perpendicular $C B$ on the fise VB; and in like mander, from the poises B thoa deterpined. deem BA perpendirulerty to VA; eate BE equal to BA and draw CE; rbeo doee the ande BEC mpenare the inclinacion of the plape AYB and CVD, which in one of the parte maguined to the foeed.
Upon CV on a dmasere denctile the emi risci- CDF, and intrect VD apead to VA, or CD oqeal to CE: ther will ment in the poind $D$, and DVC will be sthe amgle at the vertar of the lypuctioneal pluse, wherb earir. ith mapplobest, is the perer required by the pachle.

Tha treal of thin epeneraction will he eloedy


 $C V$, oncil $A V B$ be perpendiruler to EVC


[^0]:    

