ROOF OF THE SHELDONIAN THEATRE OXPORD. oir c. Weis, Aemither.

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ROOF OP THE BHELDDONIAN THEATRE, OXTORD.
AWNEEMD, Mrentrations of the rool of the Sheldeata Themere, Istord, deeigoed by Sir Crimopiter Fries Theen orplin the conotruction, end loe a more detalled espianation the "Parentalia" mat bo rulerred to.
G. T. Jasvis.

## "TOM 'PPRING'8" MONUMENT, AKD OTEERS

We foull it otevel thet it hee beve decided to entrex the exceution of the monumeat in bever of tha late borer to Mr. Cerver, jus. It mill be a equer miller cermomated by enodel of the cup proeented to Spring by bin trived at Hurwood, on the mop of Itict in a throl hand 1 At the beos aro e tion and lacob mpocien
 the ex-charppion." genoly it io tiae to theove the barrel vite renct the ting t to give eq the "facy" meo ded wito the wreve.


by exbibising, for public coademation, some of the wracobed finions which so discredit our oburchyarde, io the abape of "epitapha." This morwing th I paseed the workyard of a stateary now Keoningtoo-croes, I obeerred a newly-ezecutad beadenone, about to be placed by the grave of two men, a driver and a freman hiely hilied on woo ruikasy. The usual iescripliane iscluding the circumatances under which the decmeed root with their deathe, were followed by these couplete :-
 Wiree enthats monemon'd to ment thar Ged: Twe reil of tive ermon her'l trooh. colled un rovel'd future to arem.

I bed thooght the age of oset dopurnl oonsence had peaved awny with a former moteration; but we aeta dill to have monot us come " Irros". poete, ewalous of charion the bosours of tbeir predeceners. it in a pint pity do eachoring agines to prevent the betrodoction into the eacred neponitarias of the dead of whet enver ealy tied to excto rificele
 Went hren

THE METHOD OP DETERMINING THE BEVELS IN THE QUOINS OF AN OBLIQUE BEMICIRCULAR ARCH, IN WHICH THE SEVERAL COCRSES RLN IN THE SAME DIRECTION AS THE ABCTMENTS.
Varioce theories of the ollique arch bare been propoeed by different individuale. It is noth bowerer, our premok object to inquire wit the merit of any perticalar ecberne, bat umply to buow the method of fiading the proper berela, and construction the monlds for the quoins of an oblique secaicircular arch. whed the several coursea rup is the aame direction a the abutmeote; the oblognity of the plan ar ila deriation from the square, and the number of cournes being known.
Io rewolving thi problem, it in pecesmery to conaider the form of the coursingejointh or beds of the cournet, and aleo the anglee that the face of the gusins makes with these bedo, the planee of which being all conceived to meet in the central line of the plan mben extended to that plane, the central woe being paraliel to the abutmeale.
Thie teads us to the cootemplation of a riabs. anglod triangular pyracoid; thas its a pyramid lonmed by the mutual intersection of three triangular pladea two of Fhich are at right nafien to each otber, and the third amberndiag the angle of their inclinatian, and whict asy. therefore, be lermed the typotbeaumal plane. It in on the mature of the criagulatar pyramid fopmed in this Way, that the eolution of the problem depends; and we aball, therolore, in the first place, proceed to comaider the pprawid at toing dereloped upors a plane.
It is a well-kooen principle in solid geometry that the incliation of one phase to another plape is meacared by the angie conzaised mader the too straight lines, which beivg draxn one in oach plane, to the same priat of their comanom section, is at right angles to that comman maction.

Let AVB and CVB(Fig.1) be the two perpradieular triangular plabes, espeaded upon a plabe aurfuee by trorigy sbout 8 V , the hee of their comanon section: and let CVD be the thind plane of which the pyranid is composed, erpacied epon the mame tat sorface by turnung about CV, the line of common mertion of the , whenee CVB and CV $\cap$; then is VABCD the expeoded pyramid, of rivich $v$ in the vertes; and the parti to be determined are the angle BEC eed CVD of their aupplement. the ame unatiog the inclination of the phanet AVB and CVD, and the other being the sogle at the reatei of ithe brpotbenasai plane DVC.


Take ary point $C$ to the meraphts lioe VC, and from the point $C$ them temowed. dewin the perpendicular CB on the fioe VB; and in like mander, from the point B thoo deterpied. demir BA perpendicularty to VA; mente BE equal to BA and dram CE; theo doee the angte BEC memare ithe inclinacion of the plades AV'B and CVD. Which in one of the perte required to the foend.

Upon CV a dineoter denctite the amirirch CDN, and intret VD epad io VA, or CD eqeal to CE : ther will meat in the poise D, and DVC will be the aggie at the rerter of
 mepplesege, is the atber pert reqcired by the ppoblen.

The trect of the ementrection fill be eleardy Tamprolented be rerocimoning the ryreond e.
 concoired to the mereri about the hape BV CV, uscil AVB be perpendireiar to IVC;

