videred by their Sordships. Jualging from their experience in making the selvetions deputed to them, under the present arrangrment, the council art watisfied that they would have to meet for this purpose every day for at least owe manth. This further devoLion of time could not be expected from any such body. It would probably become necessary to have recourse to a paid drlegation, and the duty must of necesuty he intristed only to such persons as would require a very large fee for their eervices : thus a large portion of the subscribe $\mathrm{s}^{\prime}$ moncy would le diverted into a channel never cootemplated by them, and in no way conducive to the adrancement of art; and even then is would be quite inforssible to avoil! the imputation, if not the reality, of jobbing, waile the particular viewn entertained hy those who select, must inevitatly give a particular hias to all their selections however conscientiously made.
Beyond theas oljections their lordships" propmosal, that prizeholders whould select from the callection thus made (in the case of the principal prizes there could atill be no choice), inrolves a delay of the proceetlinge so great as of itself to make the acbente seen impracticable.
The selection of the prizes would put intu the hand of the council all the putronage attarized to the es penditure on works of fine art of 10,000 . per annum, suppuring the number of subsrribers to remain undiminished. It cunnot he aupposel that soything but a firm conviction of the inespediency of the measure woutd lead then to decline the exercise of such patronage. The grest nim of the, society ia to extentl a knowledige and love of art amongst all clases of the community, and Uuw, they feel assurell, will be beat advanced by coatinuing to permit prizehotders to select works of art lor thernselven from the variou public exhithitions of the dury, in accordance with the prineiple on which the Art-linion of Landon was cotablished, and which it is

## chartesed to carry out."

The communieation clos $d$ with a request for an inserview, which was afterwarlls granted: and on the 25 th a deputation from the council, compriving Lord Monteagle, Mr. Auldjo, Mr. Dodd, Mil’.. Mr. Doraldaon, Mr. Gaskoin, Mr, G. Godrrin, Mr. 'f. C. Harrison, Mr. Noble, Mr. Lewis Pocock, Mr. Serjeant Thompson, and Mr. Zourh Troughton, aslended the Right IJon. Heary labowebere, l'renitlent of the Buard of Trade, and pointed out further oljjections to the proprosed chsiger. $M_{r_{1}}$ laboueliere snid that, in consequence of the representations made to him, be would ahandon the proposed retention of 10 per cent. of the amount of the subacription, andl would not interfere with the diatribution of engravings. In renpect of the thirll and inore important requirement-the solection of the prizen-he was not disposell tu gield the principle, and wibhed that the council should themenlves make some modified propositionat, for example, that they nould choose all the prizes above $\boldsymbol{7} \mathbf{0}$. in value.
The council have ainee met, and, as a matter of course, have declined th make any proprosition for a cbange in lbeir constitution-- certain to interfere greatly with the success of the assacistion. It is to be hoped that the lloard will weigh well the representations which hare heen inade to them, and (wise in time) leave the Art-Union in quiet to its well. daing. If was not to be expected, that they coulid know all the hearimps of the question so well as the gentlemen who have been zealously
and disínterestedty labouring in its adminissration for so many gears, and they may jet retreat gracefully, if they will.*

ON THE GEOMETRICAL LINES AND OPTICAL CORRECTIONS OF THE GREEK ARCHITECTS. $\dagger$
I liave been greatly flatered by the manner in which some of my friendy here have expressed their desire, that 1 should bring. lefore the instisute the subject which I have beco endeavouring to puraue, in searching out she minute and beautiful curves which the
refined minds nf the lireuk artists led them to refined minds of the lireek artists led them to subscitute for the straight lioes and circular forms with which the $\mathrm{F}_{\text {-byptians, if }} 1$ mistake not, before them, ani the Romans and th
followers. unter them. have heen cunsentel.

I am afraill that I shall have creat difficulty in puting the yucstinn into a eufliciently perspicuous shaper; still as 1 am satisfied that the construction of the Greek temple (" hieh within these undla at least, whatever prudence might in certain quarters supgest, ! lare to cs!l the most perfers yystern of Jenign which architect'n mind has ever conceived or work man's hand erecuted) must still elsim a worthy place in your embeen. I am the less fearful of wearying you with the details and particulars which are qecessary' lo leal soe to the fact-small in size hut not in meanigg-which I have to bring before your notice. I would rish particularly to protest against any one measuring the importance of these results loy the rery amall quantities which they inrolve. "lliey create the whole differencebetween ordinary, and scientific and artistic construction. I will also observe, ihat altbough the scrupulous aceuracy with which the measuremente which 1 shall produce have been recorded may seem almost absurd to mome, it will not appear so to thone who have been so fortunate as to see the originals, and observe the perfection of the workmanthip with which they are put soge. ther, aot the. excredingly happy preservation of many parta from ahe weather. which enables measurements to be taken with precision in theñe, where in many buildings ther could only be a matter of approximstion. Ones advartage from the oltaining this rifid accurary in the measurement of the cemple and sta parth, I shall be ahle to state by-and-lyy.
The last postulate I shall make is to beg you to allow nte to use a decimal aystem of measures, as I have in these researches always done, whicl I whall briefly explain.

1 use as my standard of measurement the English foot, and divide it into 100 parts. which I ahall call cents; anil as this is small enough for almost every practical purpose except the curvatures of Cireek arehitecture, 1 sball not require any other name but cent: should it lee necessary to go to more places of decimals, they uny be stated thus- $6 .-5 \%=6$ feet is cents 9 . With reparil to the cents, it will create very littie confusion for the present if thome who are more accustomed to the duodeeimal syotem will conoider thers as eighths of inches, to which they are in the proportion of 96 to 100 . Thus the guantity 210 inay tre casity solved inso 2 inches and 5 -Eith, which is a near approxination.
Having said thus much in the way of introduetion, aill say a few worls with your kisd frennission (firyt sjolopising for, I an ufraid, oume what ton free mention of the first person,
on the manner in which I was led to the suldject ! nave the honour to uriag before you thas evening.
In the beginning of the year $18+5$ I wan lect to Athene by the same atraction which has been Icla fy wo many, smid will, it trust, continue so to bre. I had an introduction to Mr. Ruelet, a Ba.

varian architect, reaidedt at that time at Achens, who kindly accospinaied the on my first riait to the seropalis, aod pointed ons to me the peculiarities of conatruction of whach 1 and ubout to speak; it was the first time 1 haci any 1axmation that there was uns orpariure from ordinary line and rule work in thene buiddings, excepting a rumour which I heard from our consul at Trieste, that there was sumething very curious recently discovered in the ancient buildiage at lthens.
These peculiaritics, which were then pointed out to me, were the coavexity of the nsylobate on the four aid: clination of the columna tow-arda the centre of the buiding. that is to may, on the cant front the axes of the columns iaclune in a westerly direction, and those of the west front easterlo. Thuse on the north and south funke, south and nerth re-jectively. It folluws that the angle culumns bhare the two inelinations: fur in. ntance, the northeteat angle coluan in:lowes in direction mouth-west.
Thia fact has been ascertuind some time; it ir given with consideralule accuracy in that part of the supplement to Stuart which was supplied by Mr. Jenking. The exact amount. owing to the alight displacemeots which the Luidding las suffered, is only to be obtaineil br a rlifigent survey of the whole building.
The obaervation of the convexity of the lines of the steps is mare recent. I helieve that one of our countrymen, Mr. John l'ennyhorne. whose littie pistophiet on the subjec: tho doulth yome bere have read, was the first who flaid ong diseriminating attention to these lines. use this phrase as they cannot bus have in some measure influenced our earlier inventiga tors, as no one could ever have sual his epe along any jortion of she upper memhers withous being sensible of them. The luwer lines of the buldiog were, as I underntand, quie encumbered with rublish unil the excavations of the la-t few rears. Any measurea olstained by boning must have loeen vitiared, and they have douktles3 miven many a diligent meanurer a vast deal of trouble, wod many have heen the dimensione which have stood at dimal veriance nith themselves, and been cast asile nithout being really to blame. To the same way as earlier astronomers have oten unjustly blamed their instruments when the perturbations of the licavenly lrodies were realy the cause of the incongruities.

Mr. Pennythorne was the first to vee in these an original intention and meaning: he however kept his knuwiedge to himself, and the world first heard of it through the cummuoi. cation of Mr. Ilofer and Schawhert. German archisects, to the Basserituag, in the year 1834. Which very number was jrescated. on our last meeting to the Institute.

I have been, however, assured br Mr. Ihill. an Imerics m minsionary, and now chaplatn to the English Lecation ot Athens. Shat Mr. lennythorne had communicated his ideas on the subjeet to him at least a recte before
I then (in 15351 wat very much struck, as all who have seeo the Gireck buidding muse be. br the perfection of the workmanshipl. and 1 cook such levels and dimenwions as 1 rould with the inatruments I hat with me. fer the puppoar of acereraining the amount and nathre of these adjustments. And I arrived at $\Delta$ suf. ficient degree of exactness to asure myelif that it was well worth while to gu veejer intw the matter. I, however. at that time lin latiol was not able fo purvur the subject further, and I returned to tingland in ther auramn of that ccar, and had the pleasure of reading a paper to this institute on the observatione. such in they were, which i had made.
' (hay atracted more selisation allan I had any right to expect. and I received a priniosal frum the Sociely of Dietanti. that if I wert willing to go out to . Whens. for the purpooe of taking more accurate obser ations. they would assist my operations with a suta of nr, iney. This
peoposal frillinglr afcepted. מind prorided roybelf with she necessan implemenis. and indued o voung afchitect isum of Mr. F. Will. son, of Lincaln. the well-known archapulagiat in ameoribany the and arrived as Athens towards the end of Crrubet lasi yoar. I was Mro so fortunate as to fall in company with Mr. Mryer, associate. whom $f$ beg here to thank for his very kind and able assiatance during the time he remained in Athens.

The first thing mbich we atemped, as ig

