



### 19.36

6

Whath s/neye pliq


Glasgow School of Art Library

| Book <br> Number | 1936 |
| :--- | :---: |
| Subject <br> Number | $72.034(45) 5$ SER |
| Author/ <br> Heading | SFRLIO |

Digitized by the Internet Archive in 2011 with funding from Glasgow School of Art Library

(2)

## TOTHE HIGHAND MIGHTIEPRINCE, $H E X R Y$, Prince of VVales.

SfR,


O vaine ambition of mine owne Defire, much leffe prefumption of my none Defert, incited me to prefent this Volume to your Princely view; but rather, the gracious Countenance, which (euen from your Childehood) you haue euer daigned to all good endeauours, invited Mee alfo (after fo many others) to offer at the high-Altar of your Highneffe fauour, this new-Naturalized VVorke of a learned Stranger: Not with pretence of Profit to your Highneffe (who want not more exquifite Tutors in all excellent Sciences) but, vnder the Patronage of your powerfull Name, to benefite the Publicke; and conuay vnto my Countrymen (efpecially Architects and Artificers of all forts) thefe Neceffary, Certaine, and moft ready Helps of Geometrie: The ignorance and want whereof, in times paft (in moft parts of this Kingdome) hath left vs many lame VVorkes, with fhame of many VVorkemen; which, for the future, the Knowledgeand vfe of thefe Inftruations fhall happily preuent, if the euent butanfwere (in any meafure) to that Hope of mine, which alone both induced this Defire and produced this Defigne: VVherein I muft confeffe my part but fmall, fauing my great aduenture in the Charge, and my great Good-will to doe Good. All which, together with my beft Seruices, I humbly proftrate at your Princely feete, as befeemes

Your Higbneffe

moft humble Seruant

Robert Peake.

## To the Louers of Architecture.

 Ir learned Author Scbaftian Scrly, bauing great forefight to Jhew and explaine the common rules of Architecture, did firft publifb bis Fourth Booke, entreating of Architecture, and after bis Third Booke, declaring excellent Antiquities. Fearing that if bee bad begunne with Geometrie and Perpectiue, common workmen would haue thought (that the two former although fmall) had not beene fo needefull to Jtudie andpractife as the other: Which friendly Reader, confidered, bindered mee long either from Tranflating or Publifbing the twojormer, being perfovaded by fundry friends and workemen, to baue defited my purpofe, both from tranglating or publifbing. The robich 7 bad furely effected, if I bad beene ouer-ruled by their requefts and perfowaions; alleadging ftrong reafons, that the common Workemen of our time little regarded or efteemed to Worke with right Simmetrie: the which is confufed and erronious, in the iudgement of the Learned Architect, if they will follow the Order of Antiquities bereafter enfiung. Wherefore leaft my good meaning, together with my Labour in Tranjlating and Publi/bing, Bould not be regarded and cfteemed (as worthie) confidering it not onely tendeth to the great profir of the Architect or Workeman, but alfo generally to all other Artificers of our Nation: I aduife all generally, not to deceiue themfelues, nor to be Jelfe-conceited in their owne workes, but well onderfland this my labour (tending to common good) and be perfraded that who fo faall follow the fe rules bereafter Set downe, Ball not onely baue bis Worke well efteemed of the common people, but allo generally commended and applauded of all workemen, aind men of iudgement. Vale.


# ผes The frit Booke of Architecture, 

made by SebaftianSerly, entreating of Gëometrie,
${ }^{2}$ The firf Chapter.




 butomp howlege fothe fat arte, Boe not onely laut








 whata













laftertute moto bis defite.

## Of Geometrie



FIRS T, 8 ounuf undettano fhat apontis apaiche made foith a flan oz ©ompaff, fogicy can not bee ocuioed into ang parts, bscaurs it contcinety neiffer length was becoth init.
g Zincis a right coniccutiue imaghation itelength, beginning aia yeynt, ano mertyalco at apoint, but it bath no becoth.
 the ofber, thofe tion tines, accoboing to the eqatine pheafe, are called F3atable, anto be fome mentbee are nameo equidifances.

Tuben thofetoo equiutances afozefapo are at each enoclofeo to gether be another Hine, it is thern called a Superficies: ano in like foze all fyates in tobat manner foeuer they ace clofed, ano fout op, ate cals iedsuperficies oe plainnes.

WWheinthere is a araight opaight Hine placeo in the miode of a crofte ftratghtline, then it is callco a flerpenbicular de Catheta lime:


 without ©ompaffe pequalitit, as muchas the fame ine bendeth; fo mach thallthe coaner of the Etaight finche natrower below, ano the other fomuth beqaoer then a right of cuen comer: ano the fraight
 Der coaner ©Dtuife, whith fignifitb bull.
a conner oppoint talleofaitamioal, and alfo actutus in Latine, isg shben tworuen long fraight lines meet og ionne fogether aftoe bpyer enb, as the figure rightagainut this Deciareth.
 along ftraight line, if is then calles a ©rtangle, becaure it bath thace tharpe comuers.
couthen a trixugle with two cuen traight lines, is cloret togetber suith alonger line then thefe tho are, it fhall baue fuct a foeme asbere syoufec.

## The firt Booke.

## The firf Chapter. Fol. 2

 baue thzee onlitecosners.

20dben two long ano two direct vobne right lines are iophen toge?
 coaters, but when the fourelines ate all or onlike de contrare lergth;,


You muft note that although all foure cornerd figures may be called Quadrangles:nevertheles,for that the direet foure cornerd figures are called Quadratus: for difference from them, I will name all figures which are like vnto a table, (that is longer then broad) Quadrangles.
 comers, they are called duadzatus, which are foure cobmero: when you make the two cozacts thereof darpe, ano the other two cos ners fomelobat blunser; thenit is falle azambus.

A
3though poumay turne and make all foc figures afocano right foure fquare: 刍ct the wozkeman map finje otbet figures luith
 fouce fquate.

WWenaman with bis eompatie ozatueth a bowe and after that Deameth an other bow right againft it, that is called asuperfitic
 Z Cine from the one conner fothe other, ano from one poynt oz center
 be gouthall finoe the right foure parts therent

BसII if aman ozame a hoholeromo liwe fify bis compate, thatis caleo afull Circle, oe romno superficitics, ane the pount in the mibole is calleo the Centre. TEDe otmole line ig caliso ©itcum




5 uperficitie of a srookev Hinc.



## Of Geometrie

## 2theyafe circtio


 fer of the Diameter, ther it is calleo balfe a ctrcle: ano if youmake a fraight line opzight in the galfe Circle, fien shat line mabetif suopuen quarters of a
 metctro.
 thent together, they make a perfect comero \$unazatus: ofrn if you datw a ffrathbtline fronisbe cne eoaner to the otbers it is callex wiagome: beraure it Dratoeth the foure colners into \$10n cuen parts.

NTid tobernacuokeman hath feenc a fozme of fome of the
 learme to augnent on cininifl fie fame, and toturte them into bether fogmes: but pet infuch fogt, that theg mag haug encn parta int tyem:

A
 goinus afoerfago, bo the aboung of theee other ruen loing lives, fee maketh mether toure fquare: that foute fquare fhal be once as gerat againe as the fint, Irbich is to bee gnoertuodithisis fot : Tinat qi foure fquare Df A, B, C, D, buthe miagonaa is Deni prointe two errimmles, ano the greater fowe fquare A. D. F. E. containeth foure fuch SHiangles: but for that the two firte foure rquares hang one within the otber, therefoze fopt thebetter deewing thereafthee ate bree oute againe fet dolune feueralty:
 (as Tfaio bipoze) (côtaimetit tno siriangles, and the © madazate H. containeth foure fucly griangles, fo that the proofe thereof is ttcareig to betene.


Ifr within a foure fuare vou make a civcle which toutheth the forre foecs of the faid foure fqure, and fitboutethe faid foare fquare an other © ircle whith toudfeit tbe copners maries A.B,
 as the innermoff : ano then if abeut the greatef Circle pou make another foure fquare as C.D.E.F. then the two feare fquares muft in lite fozt be once as greatrmaine as the other. 2ity peofe folecref fanoeth berebp marke with tye letters K.L. foz cleater bunamen

## The firt Booke，

R 第 this alfo，the pzoiccture 02 the foote of the
 and alfo the bedeth of the fundattom of them bnoer neath the wertrunias peciarco，is fet fogsty．

T17．© workeman muff yet pzocio farther，ano learne to knolv boto to change a Eriangle in， to a quabangle，and alfo at latt baing it to arigbt
 formes．Ifitity take a Triangle with eutn 5030 ners，as A．B．C．and denioe the 均afe（whith is the name of all lowee lines）B．C．int fop euen parts，ant there place fae letter E．远ben from the point E．to A．©ation a line，fothich will Devioe the griangle into tho euen parts．Then if youtatie that part tobich is martsed A，E．C．amo ionng it to the ofber past；marked A，E，B．it mill piake a Tuaszangle，as A，D．B．E．maes of a

YDu may alfo change this Triangle in other manner，beuioing the limes A．B．ano A．C．
 a line thatough D．E．as long as the tibale B．C． Then lhat op the tho ©quidifances，romer wite： ano then the Suadarngle B．C．D．E．containetb io much in it as the triangle A．B．C．ant thepzoofe thereof is，that the two sLriangles B．C．F．ant G．E．C．containe fo much tit them，as the tho of ther Griangles $A, F, H$ ，ano A， $\mathcal{L}, \mathrm{G}$ ．

Aatriante with cuell points，map be occieco fhyice into two equall parts，Deuioing cath Goe in tha parts，asin the figure P．Q．R fit is ferne through tye thee lines，whicly on cityer fioe matie tungreat itrixages．

The firt Chapter．Eol． 30

$\mathbb{4}$
The

## Of Geometrie



T
 Dangle: denioe tye foe P. Q. ano the fioc P.R.earh in tho e quall patts, thendade a life S.T. as fong as Q. anolko and then Datio a line direct Doinctward from T. R. torlofe it op: and thea
 nfozefapo, betaure that the Fixiangle kobichis cut off.S. V. is of fidike greatnete with the o! her gitiaugle markco V.R.T.

A

 right Eriangle: foz although the tho Eriangles that are cut off, and thole tho that are aboco sntoif, are not of one greatnefe, pet the \#riangles A. F.l. and B.D. F.are one as great as the ether, ano againe, the erriangles A,G.K.f G.C.E. are alfo ef otre greatnes: fo that thofe that are cutoff, anothofe thatare aboso thereunto, are of one quantitic, \$0p theic elterations afozefava, a man may rafity meafure boiv mane fáte, elles oz robes fourcfatare, ate containco ina tyzecozmero gupcrficies.

B
 peificie pa plaine, mulf be parted erctelevife initod equal parts: tyen out of one of the fides that you will cut tgrabgh, you muft mate a rigbt foure fquare, as from the fioe A. B. ano pzatu therin turo ${ }^{2}$ Di
 ano ozam one eircle tharigh that thace esarero part totich pou will
 your Deuioing line. fle that ocfircti) any pzoofe gereof, may taike each picte and alter it into a duadzangle, ant after into a Duaezate, aly beereafter fall be foeteri; and ye ciall aro it frus.

A
Jo Grthitetog mulf alfo ontergor other burthens, foz that jee mult thoingolu to denioe a pircic ofground, that no mall mag be
 lap thzé razero mffe, with unequall pats, yauing on the mic fioe thereof a dolell, butrot in the miooles ano this groukd, 02 thge coenero picce ofllano is to bec ocuioct into too rqual partg, intach (o2t, that eath of them map haue the bie of the Cliell: it mult tee oone in thismanner. 5I mate a friangle markeo A.B.C. ano the getiell is narke mitbG. foio deuioe the line B. C. with a darke line in the two cquall parts as the letter D. ఝjefuctis, ano then pato ing a line from D. to A. tben the Triangle is dacuioes into two cqual parts: but both of themcaninot pet come to the ©racll: then ogawe another line from the careil $G$. to $A$, ano from the pount $D$.pou mut fet an equibittancic againft $G$. A, markeo with E. Deasining frem G. whith is the redelis the blacke lime to the letter E. it mill deuioe the grouno in two rucufenerall parts, gno cach of tbem fallyaus the dexicllat the eno of bisgromo, faz that part A. B. G. E. contaio
 G.E.C.

## The firt Booke

I
 ceise once as great again as it id, but te map fall out, that a man is to maks it but balfe as great again, o: moze oz lette, as be thintelb good, 92 as occafion teructh, which the Srchitectop is alfo to learne af neecffic. markeo A, B,C.D. sphich 3 buill baue thece quarters greater:tys fame thzes quarters $\begin{aligned} & \text { fer be the fioe thereof, fo that the fame foith }\end{aligned}$ toe © uadzate tozether malie a suabzingle A.E.C. G. ED bjing
 lite A. E. yet a quarter leuger, oz foum the fioe of the Duadant gle E, G. ano plate F. there: then ypout toe line A.F. matiehalfe a
 youfocke tos: Lubich nuadzate being mabs, will containe as math
 change all suabangles waich are long fourc toinert pires of Moske, into a inffan trae Tinabatc.

## The firft Chapter. Fol. 4 .



A©atre, youmx cafly chaixge a $\mathfrak{N u}$,




 areK. L. atealcoalitc.

## Of Geometrie

A



 FFirfthen, feeke the greateft ©
 moze finadzates of Huadzangles out of it, 3 meane all with right comers, take them out alfo : butif poutan fino




I




 Datwen to the point : that, by the thutting of the Caracters B. M. L. D. will fich yournotjer Tuabangle, of tye

 into ©




 ตูน

The firt Booke.
The firt Chapter. Fol, 6


## Of Geometrie

Wbena man yath aline os offer things of onequall parts, ane there is alifa axofiner longer line, og feme ofter tbing, trytich a maur tooule alfo denioc into onequall parts, accozoing to the yappoztion of the ffozer line, then
 make a cozner ab A. B. ano A. A. 패yen take pgur longer line, ane fet it teith the enb C. ypon B. ano let the other eno ref attye banging liane $A$. A. sten from ruerypognt of the uppermoft line A. B. Iet a banging line fall ppon the line A.C. fo that thee map br equivifant wity the line A. A. © where §faid lines sut thzougb each other, therc is the rigbt Deuifion prapotitior nev, accozeing to the fmalter. IEhis rulefthal not oniv ferue the Altchis tectoz foz mathe thinges, as 3 mill partly fletwe: tuit bill alio ferue mas ng grtificers so repuce thetr rmall soogkes into








 A.B. ano fyelonger lime marked A. C.

 mans , MuEs litatwife learne to amgneit $\$$ make greater a bolotore colüne, mbich bee mapalfo doebe the two lines afozelaybe, anto althought the Columns thoulo be amozica (Det is is to bee onserifoop of alif thinos of Colammes. \#his rale bisilalfo lerme (not on lof for the theze figares fet potone) futalio for as ma. n9, as if 3 caule Metma them, if to whole boate of tyem alone, anotberffoese thio fifill faf fice at this time fog the fingkemant

## Or Geomerrie

Ths furthr flyatany iratrvall cling itanorig frem sur sight,

 centamethoar fight : betroze tount a man millmake op place onetbing abcue ainother, againtiarip place be fuall, ( wiculo hatat therme thing to ficuabone in the niode, ano ke neatb, ax great in ane part as in lis cther, it is remenient for him to follotu fyis rule, mbichis, fos that cur forbertumeth in circumferente: thercfoge amas maty firlitule the plate, from wimuce tie will fee the Inme: fortylatima acmer, and then deaw a tuat scr diacircle from four cet cpluares dibith octis timg in cuen hares, pou foull, by tbo lines that goe out of the cinter the cugh the cirtle drainif he cally fito tho bnequall parts: the whiri altjough optuarts ataimit the loals thep fas freme arcaifer ret in yout right thee willfite al of cne greate neffe. \$6y thts rule you may alfo meafuregetghtw, aybing yourtelf with the tumbers.


## The firt Booke.

MIng mer are olopinion, that fraigit lines, in fobat mancr foruer they are clofe, contapme as man fuaces one
 Iong, fhate somerd, foure farare, os fiue comerd fozme: but the funcrficies are not of cite felfe fame futce, Luhith map be





If


 ueo when be foull change one foyme intoanalter,


## Of Gecmetrie



V7effro in snifrittes; ano al "o binmogertie tooges, mio ne pillars 03 Columares, ubich bensatb an the iognts at the wibales arebzoken afunoer, whith is, bea
 made accozbing to their coniners: of elfe, becaufe thep are not rught. Ig placeo: fo that they baue mose weights open them on the ens five, tyen on the ofjer, whereby the eintons beeake, which the woozkeman be knowleoge of the Iines, and belpe of © pzeuent in dis maner: zchat is. 4) ermual mate tye paillar rounso bnderneath, ano bis ibate hollown incuard: fo that when pou place the paillat bg the thead, to maty ysefentlp fettle it falfe without as ne burt. Tio fine this rounenes, gat muffit the one pepnt of the Compalfe bat the higbeaf part of the pallar that is unore the $A$. ant the otjer pornt iberesefoch B. ano then dualoe, 02 binoe it ad bout to Cians tyat fall bee the rount neff, making the bollowing of the 1 IBafe, atcosoing to the fame meafuce: you may Dos the like saith tbe capitall, as you ficin the faillar bot.


I



 mibble : after that, bpon tbe fame Centre, bee maff make another letree đirte, Lobich muff beno greater thrn be wiill



 ber is fleteed.


B


 ered, as yereafter you halliss.


## The firlt Booke. The firt Chapter. Fol., 8

Calline the fommer rule to minde, 3 Denifeo the mather hotu to forme and faftion diucts windes of becters by
 mitl wakte the veffeds with marte betfer figures, that is, boiv the
lines are daabne to The eenter, thit the㥜arables, and out of the mall Circts. SIfe jerpenbiculars banging, the befo fels arc fogmed: the foote and the nerte mag be made as tye toozkemat will.

## Ol Geometrie





 squall parts: that is, on eath fice fiue. Ether, fet the eompate opon the center A. and with, tipe oftber fots sbercof , Dame in two parts, that is, to C. mating balfe a Citcie op: soaros. gilyat boue, fet one fonte of the compatte opon $\%$ ponnt marke Bano with the Detier Datw in the tos termoff poent C. baabing aptere of a Circle comondoaras tomarde 这ers pernicular, atho doing the like on tbe ptget EDe, you mat make a poine bed low. Ether take the balfe efthe balfo circle aboue that two parts, and place it at the ondermof paint of the
 Eubere the centre to rlofe the ©
 fete: the nerke, wityoutcoubt, mag be unabe two parts ligh; and the red accozbing to the wozkemants plea, fure, 02 atcozourg to tbe fignare bers sanoer fet dowite:


Y






## The firt Booke,

 this fozt : youmaff deaioz pour crofe tine in tmelue parts thagugh the poent A. making two fierperviculars to

 of 2. then place gour compate opon the pognt C. ant tauching the fioes 3. and 4 , then the boftom of the beffell inill




A

 mozeplace to beantifis it : an otper part flall be tye beight of the necte, and another part the couer: ano foz the foote,





## Of Geometrie

A


 of the Compatic opoa B, ane the otber opon I. ano baato a line from theme to the figure 2 . Fifter that, from teit pornt A and 3: to 4 , poum mut allo O datua line: Whict beisg opne, fot the ome enue of tue Compafe in the poent $\mathrm{C}_{\text {s and }}$ and de davo piece of a Circle from I. to 3 , aห刀 againe, the Compatfe being in the eenterD. Bzanapirce of actrclefrom $2 . t 04$. and then the fozme is madr, 翌gu muff alfo bubertand, that the Heror that the figures come to their cens ters, [o muchtye longer fhey are: aisi to the contiarp abe further that they arefrom fbet Centers, the rounoer
 sleg, braute thee baus mose then sue $\mathbb{C}_{\text {siter }}$


FD 3 the making of the teromo Tuale, ver muft firft matise thze Circtes, acyouféhere Danaing, where fecre firdimbt Lines Ifand : the fourc $\mathbb{C e n t e r s}$ fhatbe I.K.L.M. 2itherplatiug one point of the ecompalie in K. you mult opaine aline with the ather point from the fienucc of 1 , to 2. gigaine, ivithout als tring the compate, rou that fet the one forte of the compale in I. ano fo Datwe a pirce ef acterlefrom the fo gare 3.10 the figure 4 ano that mar Beth the comparte of the Circle.
 of an dgge.


TWe thito fome is mave by tivo foure comerd fouares Dzatring siagonen lines in tbem, Irbich Dialtoriw the tho © inters $G$. H. ano the other two the conmers E. © F. Iتhen daaw a pirce of a Circle frồ Fo to the frure 1 , and to to 2 , tolo the lite from E. to 3 . ano 4 , whith Done, from the points $G$. ano H. make the tinc fiors frem 1 . to 3 , and fromi 2 , to quno folbut op tbe Dualc.

TF Fou suill make this fortly $\dot{\text { male }, ~ t h e n ~}$ 1 make thoo ©ircles that map cut thz ougl each ntgers eenter, tbe other thoo Centers fos the clofing of the Critle be N.O. after that, sobetber pou baan the right limes oz not frowo the popits $\mathrm{O}, \mathrm{N}$, you fuall fat op the fioss from 1, and 2. ane from 3: to 4.
and although our gutyour fatth, there are foure fagmes of © Duales : yet fhis lat figure is of the fame fogmas as the firlf, onely this is ed fict to make.

T(1)uding the eircles, there are many to gares whbichare roenno, ano get fome hans 5.6.7.8.9 and 10، comers, ec. Wbut at this time, 3 will fycake anelg of tyete the ep painctio palle: becaufe they are moff common.

TBits $\mathbb{D r t o g}$ onus, 02 zight points, is czaluo in out of a right foure connero fquare, ajatoing the Diagonas which lioill feelos you the ©enter: thenfet one pote of pout ©ompà spon the compers cf the Muadate, andeleating the othet fote thzough the ©enter, dircting
 there pour right popnes fuall fland to make it segbt rozncte ano alttough a man might only one it by the circte, making a crofe thercin, and octioing eactit thartet in thoo, pet tit milit not be fo toell, ano therefoge tolsion a sacer ant mozeperfest wan.

T
 circle, is eafieft maos in a circle: f6z soben the circle is made; pou map oruios the Circumfervire is fire parts equally, waithont gitring the Compate, ano Dzatioing the line from ont yoght to anoster, tye firse chancts acs maves.

## Of Geometrie



TWis figure will ferue fuch men as are toparta $\mathbb{C}$ it cumfernee into onequall parts, lyoto many foeuee they be: but not to bsing the zeeader inteconfufeoneffe tuttly wating of many foames, (Fwill onely tet Dotume this oruide into nine cogners, which thallferuefor an
 of the zircle, ano Dcuide itints nixe parts, ano foure of tbere paits will bee fbe ninth part of the whole © ircum Serence: poa muffalfo bnoertano the fame fo, if rou Des
 (c. fos that almapes foure of tbefe parts bee the iuf Wogonicef of eour parts requircto.


BB aid the pentagonus that is nue roznero, is not fo ca alp to be made as the others are, becaure it is of am on: suen mumber of cozners, notwifbfanoing poumap make it in this manner: : when the ©ircle is maes, ther make a ffraight croffe therin:tyen Deuide the ane balfe of the crofte line in tima parte, which is markso with the figure 3 . then place the one foote of tye © compate bpon 3 , ano with tye other, placing it unoer the ecolfe, daatue bownentwaro to the crote line matkeo 2 , from tbstice alfo from bnoer the rrofte, gou fhall finoe the length of euerp goe of the pentae gonus. Fut this figure alfo rouftall finde the Decagonus, tyat is, ten Eagnets: fog, from the Center to the figure 2. that thall be one cone thercof, pon mapalfo make a firtere cogneto figntesut of this wioneffe 1. 2, ano place ajare ticalar lime bpon the pognt 3. Gno gibertus 2Durens faith, foat the fame alfo bill ferue tomake a teuen connero fo gace.

 I eng, but 3 (xill bere fet Dosm butfeuen bf tyc paincipallet of them, whith thal bef ferne foz tye ble of the wogkeman.
 comerpofuabzatt 2 callip Eexqufquarth, that is, whetct is made of a foure coznert Turazatejand at egebt part thereot iogned sito it.

Teethro Egure in \#latine, is calleo a Serquitertia, tyat ts, maoc of a foure tquarco $\mathbb{D}$ uadzate, ama athird part therof sagnee bato it.

7 Pe fourth, is called \$iagonea, of ife line piagenug: Lobieb line Dentoeththe Foure fquare $\mathbb{D}$ uadzate croffe thpough the miode, whth miagonall. line being toucht from biner to the eno thercop opy spares soith the Compaffe, and fo dzswnn, suilluew pau the length of the siogenall suabzangle: but from this pupogtion tgere can bee no culcinumbur mell fet ospars.

T
 tera, that is, a foure fquare, ane halfe of one of thy fouref fuates adode sins 88 it.

T
 that is, a foure fquare, ano the thire parts of one of fbe foute fquares ady Wed fgecento.

T
 leo whupla, that is, Double: fotit is made of two foure Iquare formes topned tagether: and twe finde not in ante Antiquties, $\operatorname{mp}$ forme that pareth ibe sho fouce fquares, bileffe itbee in (balles ries, Cutrics anto otber to walke in: ant rome gateg, Dozes, ano imenbetues haus ceoc in tbeir baights: but fuch as are lwife will not padefuch Iengths in Cyambers 0) 数alles.


MTne acciontits lithe anto this,
 mans band, whichis, thata manfoulo lat 2 tieling of abouie in a place which is tif, teme fote loing, ano as many fonte biead, * the cafters floulo be but fourctinne foote long, and uo moze twom to be bido: ther in fuch cafe, the bimoing tgereof muff be mave in fach fozt as you fé it gexte fot mome, thatite rats tere may ferue, ano this will aldd bee grongenough.


## Of Geometrie

T


 fruen: ane againe, if thev weulo rut it thze foote thezter, ano fo matre if fome foote bzoabe, thenthe one cioe thall be


 the line E. D. alfo holo foure fonte bzaab: bp this meanes peri fall bage pour ocore A. E. F. D. Ccucn foote leng, and foure foote byoade, ano you thall get baue the that copiners picces marked E, B, G. anc C. F. and C. left fos some pther bie.




 limes mose, lwhich thall reach from the tho lowermot comersabsue the ©enter, ano touch the int halfe of the cita

 patt of the gDiameter, bitirg rouno tn becety.


## The firt Booke. The firt Clapter. Fol, 13.

 place, then be muff take the fiveneffe within the eburch, oselfe the baroth of the fall without: if the church bee



 Church, and to that cube cuf thee holes, get youmay obierue this papoztion fog the fmallete ef them. Gno although
 3 berenn me ©rometry.

 into $\ddagger$ nith: "

Cagliff Ration, at tyergarges of Robert Peake. 1611.



## The fecond Booke.

## A Treatife of Perfpectiues, touching the Superficies.

The fecond Chapter.



Lthoughthe fubtill and ingenious Arte of Perfpective is very difficult and troublefome to fer Cowne in vriting, and (pecially the body, or modell of things, which are drawen out of the. ground : forit is an firte which cannot belo vell exprefled by figures or writings, as by an vnderfhewing, which is done feuerally: Notwithtanding, feeing that in my tift Booke I haue Sooken of Geometry, without the which Perfpective Arte is nothing: I will labour in the bricfeft manner that I can in this my fecond Booke, to fhewe the wolkenan fo much thereof, that hee fhall bee able to aide and helpe himfelfe therewith.
In this worke I will not troublemy felferodifpute:Philofophically whatPerpectiue is, or from whence it hath the originall: for learned Euclides writeth darkely of the fecculation thereof.
But to proceede to the matter, touching that the workeman mall haue caufe to ve, your muft vnderfand,
 ding or of any Superficies or bodies.

This Perlpective then, conifiteih principally in threclines. The firt line is the Bafe below, from whence all things haue their beginning. The fecorid line is that, which goeth or reacheth to the point, which fome call ight, others, the horion: But the horifon is the right name thereof, for the torifon is in euery place wherefocuer fight endeth. The third line, is the line of the diftunces, which ought alwayes to ftand to high as the horiton is farre orneere, according to the fituation, as when cime ferueth, I will declare.

This Horifon is to be vnderftood to fland at the comers of our fight, as it the workeman would thew a piece of worke aéaint a flat wall, taking bis begirining from stic grudid, where the feete of the beholders Thould fland. In fuch cate it is requifite, that the Horifon thould bee as highas our eye, and the liftance to fee or b hold that worke, fhallie fet or placed in the fice? place thereabouts, as if it were in a Hall, or a Chamber, then thediftance fhall be taken at the entry thereof: but if it bee within, onat the end of a Gallery or Court, thenthe diffance fhall be fetat the entry of the fame place, and if it bee in a Strecte againfla wall or an houfe, then you mufl fet your diflance on the other fide, right ouer againft ir. Butit infrich a cafe the Atrecté is very natrow; then it were good to imagine a bread diftance, left the fhotehing fall out to be ouere sedious or vnpleafant vno you: for the longer or the wyder the diftance is, the worke will hew formuch suc bet:er and plearanter.

But if you will begin a piece of worke of fiueor fixe foote high from the ground whereon you ftand then it is requifite that the Horilon fhould fand euen with your cyes (asI fayd before) bit if a man fhauld fee no ground of the worke, whereon the vppermoit part doeth ftand (and a man would worke very high) it would not be corrs fpondent with the eyes: In fuch a cafe a man muft take vpon him to place the Horifon fomewhat higher, by the aduice of fome fkilfull workman, which maketh hiftories or other things vpon Houfes, thirtie or fortie foote high abuue a mans fight, which is vnfittingly. But cunning workmen fall into no fuch errors; for where they haue made any thing aboue our fight, there you could fee no ground of the fame worke, for thathe notabl: Per Peeqiue Art hath eridledthem : and therefore (as I fayd before) Per(peetiue Art is very neceflity for a workeivian : And no Peffectize workeman can make any worke withour Architselure, nor the Architecture without Perfecatiuc.

To proue this, it appeareth by the Architecuses in ourdayes, wherein good ArchiteCure hath begun toappeare and Mhew it lelfe: For, was pot Bramant an excellent Architector, and was he nes finf a Paincer, and had great skill in Peifpectiue Art 'before hic applyed himfelieio ithe Art of Aichitecture? and Raphed Durbin, was not he a moft cunning Payncer, and an excellent Perfpective Artift, before he became an Archite-
 king ro place cersaine Pillars and other A ntike works perfpectiuely, tockefuch a ple furc in the prôportions andimeatures tiereof, that he alfo became an Archirester: wherein he fo much excefled, that his like was alt-
moft not to be found. Was not leamed Jeronimus Gerseallg an excellent Paynter and moft cunningin


Duke of Vrbin, canteflific, vnderwhom bebecame a mof excelient Architector? Zulifs. Romunus, a fcholler of Raphal Durbix; who, by Perfpectue Arte and Paynting, became anexcellent Archiscior, witneffeth the fame. Then to come tomy
purpore, flay, thata-man muf be ditigentandvigilantinchisAite, whereirs I will beein with frall things, and then proceed to
greater ; ynill i haie fhewed ynu the full Acte and man.


## The fecond Booke, The fecond Chapter, Fol, \%

T














 till pancoarefutumber tye bagitono


T
 beante: but becaufe it is cumbero with agreater number of the 3 , ano fo moie teotous: therefoze the rule ens
 fioclines make a trianzle A. P. G. then yor ma! dzalu the paralels of the dibate qof the thotifon long inough :
 thou gou mitt ozato aline from thepopht 1. to thepopht A. a se where it cutteth theugh ibe line G. P. there Gall be




## Of Perfpective

A








 the Difance D. ape twhere that cutteth tha

 alltye piftares, as it is faught betoge,

## The fecond Booke.

## The fecond Chapter. Fol.z.


 mulf magine the diftauces as pau are taingt befores ano the line D. B. being ozatone from tye pognt B. to the point




 แn as ${ }^{\text {In may }}$


TThis tigure is a sutebzat, cenfainmgin it is zirte oz an other Tuabzant, blyith Lvith tbs peents thereof toucheth fle fites of the biters moft Suabzant; Lebereby it is but galfe fo great as the bitermofit mandant, as hane taught gouinthe fidx icke of שeometrit, ant the maner fo makr flje, is tbus. Fiff, gou mnat make a mua

 lines, and alfo the right scelife lines, sothersbepon
 Ditretleg againf this. $3 n$ this fogt pou may make the

 out fákikg otber Diffantes.

I3t this






I

 are alt eifficult inough : but that z may fáke
 tinge: Fithercfoge 3 bate fit Doswne the manner tberes of getcunto anmerce, fu hict is bere safly; and that is ghus. Fifbe qundzent bcing mabe in fipgtening, pou muafidruive the eizare into trn squall parts, ano on eifber five you"ffall leane thece paris, and in the mivole forre parts, then the ftuo lints bring Dadurte
 Bearalelimes, ty the Ti iagonallunes, sthercep pou man slofe ty tye egget roznerg, af goumar fé it in tbe fitigurs.


The fecond Booke,


T
 comerd ILuadzant, is perfpretius wozkes, is thas; cetben the quatiant accozoing to the rule afozefaio, is plas
 equall parts of tye 岾afes, tobereattion thail bein the mioole, ano on eatl) fac pou mad leare one, ano then ozaw the limes optoaros to the fipaifou oz paynts: then ya mult daato the ${ }^{\text {LD Dagranallines; ano in the micole lubere }}$ thep mipt together, vou mulfozaio a Baratel lime cleane thoough, bey the cubich pout faall finve all the points fo make this fire cozuere
FFigures

N
 make ample oz plaine joerfpectine Logzes of foure comers, of fite coz: ners, anis evabitfuare comere: foto 3 mill hoto, boto poufta!l make them oout bic, that is, that euerp fimple figure fill bate his bano. Wiljen you baxic made a plaine Superficiss of Eire popnts; mecpadiug to the rule afozefapo ; therit तs musb as pou woill baue the bano sufate te je in byeoth, that qous mut eeam bpoit the T15afe, ano deaso that alio op to the enotifoll: ano uifre the Diagorall lincs sut through it, thete qois muft basw joaralel tines both gnser ano abouc:umo then fontu tho $\ddagger$ lagonal lities mozc; out of the foarcimermady points oz cosucts of the fire cozater ©uperficics ; ano fo pou foal firioe pour terminations to mut os clofe op pour fmalefif fire pophts on coanero seuperficies.
 rifontall times are ail platuen mith peictics, fog a Differnes from tbe firtulnes; that eab map knevithem one from atrotber:

T
 tognero muperficies of perfestiuc wodh, foy fubct the farie is mabe witho
 of tol lat dexoty you will, accozaing to the tule afoesfape: totiout cf curtu popnt of coinse of the erght fare, a fmaliture beting Dhaturn to the Center, beu fall fiure the ters mination to fout bp tige innermof cpabt

 pafte is full mase. zhis evogt qua $\varepsilon$ fozme map bee change into arourio, tox- ng zhe midole an erther fide, a; cliceraitadu" - mone the pornte o! coiners; a gozo loseteman
 Jime goith bio baity.

## Of Perpective

A








 onto the other tpratios going caer tbe points: thenthe foames will be clofto, as peufe lbem becre; wherebg it mill


 as pou folll both fes ano fino to be tres.


## The fecond Booke.

W

 balfe circle, ano the afogefapi parfs of the great eircle dawern fowaros the ©enter, will come into the fmale circle : the whish parts of the fnall circle being alfo fet ootone in perpendicelar lites inity paickee

 firle erample fet ontone, as gou may fec; the firf roumb withperfect lines, and the fecomowity paictef, as gou fex in this 番igure.

1But, fricholp zeaver, vou muff net be loeary to beclong in learning this figure, 02 in making it ofter fimeg; bm till you can boe it perfeetly ano onoceftans it well: foz 3 ans futc ant certaine, that if will bee berp haro gntomang
 bercaftec enfuing.


## Of Perfpective

I
 the grouno in ferfyctiue foeme, that be map the forer ano better azato that op sobtch gee will bane féme, ano to leane the reft un the grount: if then you mill place a founoation in fleetpectue manmer, to make it wall, gou mulf firffet if on a flat fozme, that out of that ycu map dato it into a ferfpertine fozme.


 place in a (1gure that a man may prefentlp cenceate it; foz that leacing all the lines that goe from the cophers and cuts
 rifon, tegetber mith the magimation of the Diftances: then pou may fhat ozelofe op the thostrming foure fquare, getim





## Of Perfpectiue

T





 conceaued, lvithout any otther demonifration: foz, yon mulf follow the mamer 02 opperatich of the figure befoge fet
 tallines: ano although a man man heio many fomines of grounes that are to bee placed in flootrning, pet there fiva






# Of Per＇pectiue vvorkes，touching 

## Bodies or Mafsiue things．

## The third Chapter．

T



 wife，as a cuitel；then be
 muft fiff make the ground，ashets taught befose，as bigh as bee will，that the fapo wedel thall fano $k$ Exateo al boue the grouno osfote tbereaf：there beemule make the fame foums once againe，bantoing it to the fame 解此ifor； then from alltbe oppert sande councres oz points to the lowert ；your muf Dame floeryenoicular limesas well from the intrermoff agures，as from the vitermoff， wherbe the thaoub cut ting cegbe rquare booizs raill be formed，as you mat fa in the fligurs bersunto antrete．

I

 co，both fosme amb meafure，bat all the limes which camot cutivaroly be farme，ate bioorn；ande therc is as much

 And as fhote 浧ayters are muth perfetter that baue fúne，and prefectle
 bsbelo rightanatomies， tyen others that onely content thrmrelues bith the dutward barefieto of the ctuperficies，io is 5 luith geripettiae sogeties；fog tyee that beel onoerflano ano pers fectlp brare in mine the fionen tines，ther foall better briderffand tbe Grte forn otbers，that contentibemicturs onle
 Fuperfirisg．3t is brry true lbat trben a man bath fuficiently sxpert． zronted，mactifeo and leareth in bis mino there intoat bioten lines， lber belping bimesff Luitb lye pincipall，bee map makemaneperfect things，thitbout ofing al！ Ehis hatar．

## The fecond Booke,

## The chird Chapter, Fol. $\%$.

F

 ans man nap telpe bimfelfe in many thinge, as 3 haue further Declarce: anto be that ie perfect in thef, Inaip thake





 altogetherfrom tbest.








 that ther mag tye betcic concrane tyem.

## Of Perpective



## The fecond Booke.

TThe maty part of great Rimets of fors fer:falles that fall towine from bigh Fits dz \%ibounfainc; ty meanes of fems pelis trify itreat fozce ano pomer, lobers ther cater into a Malley, fhentomatimes thep
 as they then blarpe bpon on the ene fioce, to muct the lofe againe on the other fipr; ano ro aceth farcipetiuc \{voake in romero things' fos that as muctias aruan lofethof the popnt Des conner mbercoin he looketh, fo mach.great

 Sexteinta aucred.
IThe hesode mulf then mathe fhat fhe §quare in the mivole fignifith the thickenerie of afourefagare Columne oz Willat, ano the bryoer that is fuithout ano goeth about if flgnifieth the thitchnafe oz bearing cat of the ewsers and the Capital. Eithe F figure pinder Bifs platfozme is tije Hivate, ano the bppermorif ythure is the Capitall, the manmer hotw fo
 make the pitilar dat beroze without thidtnes, and tpan it ponflall fome the wafes and Cupital, mataing fic 132 oicturc oz bearims nut therecion ctuber cioc alike, but youmult Bazaw thenritghtip. as the paitbeg berein fee
 1he Pbeilar fybicty pou buill baur fac towaros the teopifict, ent baning found gote figithe the bectraing offepatening fiec gunt bee, by the rules that are fliceles in the firtit part of

 lighto batue the two tiagomell tines long trisugh through, and from the 2bates bilour, sobiclis isfane in the floztening; pou murf Batu aline toixaros the leqziron, which you frall alfolef goe dounte oz fincke fofarre, till if reathety bennath the Diagcnall lincs, ano there frall be the terminations of the fhogted ming 2barss: ano thas pon foe tyat the jexts fpectiurues titact lomrswabe toff from them, that ife tipl [pace vetweme the pornts and the full blarkelene; then from tige terminattons to the ather butcrmoft pornt of the עaters, pou mulf batue a flarated line buber the grourso of the falliars, fo long that if mas fonct the ©lagonal lines, ano there you Ghall
 sut the onc fiee, ant giuen to them on the de ther fiee, and the forotecture of the HEates fleemeth, that tue one paynt is deabure ine wards, zno the ofther commeth further out ${ }_{3}$ then the oppermoff line of foe UBares being alfo to the thoz: Son: then open tide forstening froe bpaline pai finde the thro parte of the 215 afes below, ant that which is hare ipoken of the tiBarcs, you mult bnoerfiand the fame alfo of tyr Capitals.


迷


T
 fame which are thetoea befoze; the firf toere hollow, but thefe are pers tectane rolioe with alt their mem bers; ane althougl) that in the frigares
 foume ans frame there members, which in fruety tosulo bea berp comfured ano trons blefomething to fet paime in witing therefoze 3 bauc only foleze the fird tet minaliongs that a man mavelepe them moll in bis memosy, ano in there prefent FFigures 3 baue lheleed boto fbey forlu in a man 3 fight, that you map fé the effect that thep wojke: bat from bencefoswaro becaufe (as I faio before) it is a troublea fome fighe, twill make anotyer tozme of then with all their memberg bp Darke Imes: and they (accosoing tomg abilitie) 3 billfet polone the iammer golo to finoe the fermuations of the members one afis fer another, foz all of themgrolw alittle are auer, oz maze then the ather.
Yisut you mult conloer that thete tiBates and Capitals on the one fiee give impard, ano su the otber froe beareth out, whitl youmult well remember; that you mag firt bee well inftucte berein soacking thst tobich gou will make. Exoz it is trus that the efbeaziche condifetb in the bnvere ftanoing; but sxperience is gotten be
 foze tye mof notabie jozenter Leonardus Vinci, was nease pleafed roz. fatiffied lisith ang thing that be maoe, bituging but litte toogke fo perfection, faging; the caute thereaf mas that his hand coulo not effect

 not, neither woola 3 fuffer arse of me [vojats to come fazth: foz (to faigtbe fruth) Whatiocuer 3 anake 03 tongte, it pleareto menot: but (as 3 fapo in the beginming ai mp wozke) shat 3 bab rather exercifs in woske that frall talent, which it bath pleafeo (1) as to beffow bpã me, then fuffer it to lee and rot onber the earth bithout any fruit; ano although (hball not pleafe thereby fach as are curfoas, to fet Doime the groano ant perfection of al things, pet at leak 3 ball belpe parg begimers that una w little oz nothing thereof, which gath altuages beenemp mitat.











 Createfall be alofed.




 of all; although by the lines of the oifances, vou mav baing the faio cozners fometwhat neser as youmap fee by thz
 Bina bereim, nap heresoith belue bemelfe.








A






 lime you mutt make two haite Cirde abous oponthe flat fime beioge, ano deuide tyen in as marle parta as pou toill :













 coll alfoentreatycref.

The fecond Booke
The third Chapter. Fol.ro.


## Of Perfpective

T



 heceafer might hnowano learne them: it is requifie to entreat of them mose at large, ario that ycu map the better




 alime both towaro the riatt ano ifft pornt oz comer of each fillar.



 pou mult place the center inthe miode of the foure rrolfe point lineg, to dabm the balfe circumference: githe foure
 reit plaine snough in the Figure.

The feceond Booke. The chird Chapter. Fol, ir.


## Of Perfpectiue

T
 to make it mose perfect bito you, and to th: 5 you gotu a thing will fand whent is full mabe and finifhem, alo
 felfe weill imongb withoutall this labour, bing difection ano bearing in memozie that, lobich be hath impzimted


 the Grche vileerneath; now a wife wozkenam moff not alwapes fébe foz the perfection of the coge of thefe inuabants;
 thoparts foz the eoge oz bozoer that rumeth about it ; now youmuf beniee the fpace betwene the one eenter ane the Dther, alfo tneeght parts, but they mutd dopten os leften a little, that is, the neatyer part anainf the opper ; then the compafe being fet fometwhat lofocr, ano made narrower :then pou mult dalo the bppermoft bozoer, and then the coms paff being fet alittle belom the neatbermoft Cenfer; poumuft in likefozt deatue the other eoge og bozoer: after, vou

 laft Eenter with the Compafte. And in this maner a man may make diuers femes and compartements (but as $\mathbf{X}$ haue fato; youmalt make them all wit' inogement, ano tbetefoge it is berp conaenient that a man theato be toeltin,
 mon, that fome rigaxous perfpectiue men will take bolo of theie mp boozg, (to whom 3 anflecre) that if they meane 3 bauefaico oz onne amife, let them yzwue what difercuec there is betimene fagiag ano boingo

The fecond Booke.
The third Chapter. Fol. is.


## Of Perfpectiue

T


 to mistult.







 lines of tyis Circle.












 cme onthat fioe.

The fecond Bookes The third Chapter. Fol. 13.


## Of Perfpective

H











 ano thoo on the fioss, fo that the roofe trill be right fnutefquare, whereinn you nay make crofic boake os ofher manner





## Of Perfpective

N












 tyis Geth well, then bee thall not necoe fill io tahe all this labour, but be two paincipall lines belping bimielfe with







Therecond Booke.
The third Chaper. FAlion


## Of Perfpective

T
 thbe focuer 3




 cofonc in 13erfpetine foxlse.
 as 3. promife befoze to fretu you.





2ethe pillars then being fer of futh beight as you defire, tienthe aches eponthem mafe be mate; ano the manner boto to mate them, you maperpsedproin the figure. Ans a thouzh gou camot fee the atches that are befind them, ext Maue made them bere that pot may fex their terminations. sbee are in fome plates deatone with full blacke lines, ano in fome places tuith pzickes.
 as 3 bauc fapo and taugit berctofore, that is, hotu they make their conere agatrit the two teiagonall lifes, ano bpthe












The fecond Booke.
The chird Chapter. Fol


## Of Perfpectiue

N


 rach of thembe retkoned at two fate fquarr.


























The fecond Booke. The third Chapter.

Fol. 17.


## Of Perfpective

T

 fmityigh, ane about a foote bzoab bpon the fiep; then let the fquareffones of thisgrouno be a foote fquare, there:
 tahe fie meafure of the basoth, which botb on the right ano left fives fhall be fee in lierpendicular lizes on the comers





 sobich maketh foure foote and a balfe; it is alfo thas foote bsaab, as it is markeo bnoer it on the ground. Wey this rale
 sneafare from fhe fote of the gromm, as well oftye footening, as of tbofe thatare opzight.


## The fecond Booke.

T
 the turning, and may ferue foz mang things, (pecially in 1 Builoings, (wofere a man going op feftly ano miti) cafe, giucth the bebolbersa tiny of pleature to bietw tbem, pzincipalty in common places, foz that thereis a going op


 is fapo befoze, the quabzants are of afoote broad, ano the ftepshaife a fothigh, ano fo fige bedeth of the fep is ome fot.
 ano is fre foote high ; whith although it femeth to ba flut, anoa fmall oooze opening in it : pet ft map be mave whole





## Of Perfipectiue

A

 Itano in pzofil, pet pou fé the groums ano the $\mathfrak{H E p s . ~ F}$









 at thercting ooges, to dzalo tyem on from it.


## The fecond Booke.

The third Chapter. Fol، 1\%.

T
 in wepting , and fectalle the miculemoft which cacth op on beth fines ; ano fo fall the bppermoft alfo, ber wfe









 uerall fozmes, eyther ffanoing oz fitting ypou the 5tayzes; ant lping boonthe grouno in fonatening mane, athe that


 feandeth, anomake it twelue treps bigh, whith batl be tire fote: Gno is tho Figure Iging, ove the like; but if it licth in



## Of Perfpective

$\bar{T}$


 it be ofeth the rale lefore fet oofore of the roand bodieg.

 eno, pcu-muft makea perpendicular line bpzight, anb in it mate as many balfe fexte as pou ocfere to make the stapes

 which are Djatone ont of the ter minations of the Efps; and of the fame beight that the two enamero floerprnoicular limes are : ano of the fame meafure pou muff mabe the other two faerpenoienlar lines betwéne tbe cozners ano the midole,





 gou maft alfo make an teozifntal line, lubich will toush the termination of the fourth fep ; which being clofeo, then

 nations of the firt tepagaint the binoermold forpenoicular line: ano that being alfoclofeo op bith lines, then out of

 this rule bethe togich poa camot faite.

The fecond Booke.
The third Chapter, Fol. 20 .


## Of Perfpectiue

T


 thoztraing boop of halfe a foot bigh, opon this pou muft ozin two Diagonall lires, ano from lige coaner intwarbs





 balfe of them is commenip found in diuers pieces of woeke, as the gates of foalaces, Cburcheg, and other dibeling









 taining in it another foure fquare, the whichalio may bee fozme by the diftances without thoifon: fome ueck place the fibes of



 ners goe all to the diffances, ano nonc to tye tiplifon, but omely the fonte fquare that is fes therein.

 bote og beare out tha boop thereof mith the fame thogifon and siftances alfo, which bojg mithin is hollow, ano pou may feaue
 map conceaue to bobo mane thinge this maplerue; and alfo boto pou map increafe oz viminifif, accozoing foftilano iubgement



## Of Perfpective

T





 fot 3 will fpeake of them gereafter particulerlp.





 mape, that they mag be feemelg ano pleaiant in mens light.


## The fecond Booke.

T








 fotgat fhere



T





 gou mult followibis redeafozefapo.


## Of Perfpectiue

B

 are, ent the moge innumber, you may the eafier framethings opon them. gifoe crote mape opon this grount is onely to tholo you the luat ano entre tbereunto; but foz fuch a fozme, you mae make a fozme of á Chziftian
 ycu may make in a grtater fozme, ane fet them foth as you toill; fometime placing the thodifentall linss infuch manner



O














 not be wotolig fane bcfoze, becaufe it fandety witycat the foare ffuarc ano comer.


T
 erpert ibogkeman map finde opt manp thinge ererciturt this tway, alf hough there are other meanes to be bred, as
 out of dat fozmes which is the fareft wap, but berptecublefome ano hare to defrite in ingiting ; whercfoze 3 baue

 preparing of places foz to thow comeoiss ano Tragecics, ubirfis now ofeo in this age; and fpecially in Italy, therea



## Of Perfpectivé

B
 ano wenes belonging ontofbem,as we bre them
 ogry bart fas a man to thew jow, f where a man

 if goovifit to maketbic pooill, that the grouno bethe pacfil mae both togetber be the better bneerliood ; pet it tare eomarasent firte to flubic the grouno, ana if it Co falleth out that a man cannotattaine to all witthin theqrotni, tbingre mulf youcioe to the profill to bee

 Thal Eano clevateo from the eath, ano thalbe flat, made


 yr urine the feate marted with an M. abourif, is the ivall of ebe wall ozother place, againt which, oz twhere Higig


 mingtion O, is the topifon. IHe lines soith paickes combing ecolteqpers the water compaffe fram L. too. Gubete it fouclyefy the bathe P. there gou (ball placetbe Thoutor onete to fer ue for the capo bactic. dine como




 inceftethane the foes (as the mult be built tyat men mage fe onf of shem on both fiocs) fobulo bappentwo 7geten lines, this is traching the pzofifl of tbe secure. 2 3ut the place woish is calleo ezocenic is that Lobith is
 ©Dishefra, which ig capted halfe a foote from the eartly, where vource Fomaked, are ib places foz poblemen ano finighte to fitom. Gno the firt feate of tep, mate
 and coftr bphigher, there mufthe meaner fogt of jog bles fit. Ewhe borier place, markeo H. is a ivay, and rois fheplacemarteo E. IBetwéne H, ano E. mulf fit Gentlenen nf quality. Ano from L. טy baros meater Genticmet bailat. ybut tye great face, marke $K$. Thall lue fozeotumon 1 ficers and other people: which plase madube greater pa leff, arcog bing to be lengtit of Sack kill, 08 any ether place. Gno the qheatoz, fith ibe Elacme oz Eralfoto, which 3 made it Vincente, feas almole in figis foyt: anofrom the one cozner of the
 toy if was maer in a plase where 33 gav romme incurth, butfuc soche os ecaffolo was not fo booad, breaure it coas place in a looge, ziLye frame of the feates nace all mate in one, as pau may fecinthis for
 which tax no wall, whereunto it might be made faf,
 out, toe tye moze frength anb fafinte thereot.


 fé built by ©

 merable leghts, great, miade Coat, ano fmall, aø you map fé it place in the figure, robich are focumingle fer out, that they fuete




 ners perfonages come opoit the soage, richly aoomed fith oiters frange fozmes and manmers of apparell both to Daunce mortio
 tino of beates bre to oof, not without admirationt of tye bebolocrs: fubith things, as octalion ferueth, are fopleafant to mens eycs,












 mult notobeg the tizajifon, but the ©



 swill Øetw in this ffigursfollosing, ano haue alfo occlared in the profill ofthe asheater and weene.

 mave broce roofes in a









 backe in the midole fall dano at the leaft two foot from the wall, that the perfonages may goc from lbe one fooe to the other, ano not














 others bead.

Of Perfpective


## The fecond Booke.

## The third Chapter. Fol. 25

T





 thofe that takc pleafure therciu; buit uecaufe this figure is formall, therein scalo ngt obierue all the meafures, but refer them to













## Of Perfpectiue

H


 3 conlo make no peitrcle pallaces: but it is fufficient foz the (woztemar to fá ths manter thereof, wherelog be mag bolpe him: delfe as time and piace feruct): ano (as 3 fayde in the comicall) bec mulf alfuapes ffuog to pleafe the cyes ofthe betoleers, ano

 of so









 Txit fic


I












 Corrale, motyer of ferearle, ano other fhels la jo ato thzult thzuagh betwoene the Eones, wity fo mang fencrall ano faire things, that





 ferue thein, wobich ther, muat ionskeafter tpetr owis beutes, ano neuer tate care what tithall toffo


## Of Artificiall lights of the Scenes.





































 that in thebinocrmo













## FINIS.


 fos the bencit of the cenglim, fation; and are to befolo at lio bourc nere

裂olbage Conout, onder the wanne Taaernc. 16 II.

## The third Booke,

Intreating of all kind of excellent Anriquities, of buildings of Houjcs, T emples, Aixipbitheaters, Palaces,Thermes, Obelifees, Bridges, Arches triumphane, \&c, fer downe in Figures, with their grounds and meajares : as alfotbe places where theyftand, and who made berm.
-ROMA QVANTAFVIT IP SA RVINA DOCET


## To the Reader.


 people of $\mathcal{A}$ fia and Grecid, with divers other nations, and bake left them for our cxample, (oo that reesding them, we ntay fuficientig fatisfic our eares, and fill them with the greatneffe ethercof, bhat is, 2 ouching the lingth, bredithand depth, that certs aize places hane contained; yet we can not jatssfe our eyes, nor the defire we baue to fee fuch incredible works, vnlefeit had beene our hap to baure the conse enplazion thereof, for that the rehques of fuch works are almof, or for the mof part vtterly defaced; or wn. leffe we mighb haue feene shem drawne in qropersion vmto our eyes, as in this Booke we may not onely read, what the Romanes ait the laf, after other nations bad built, bat alfo the fame cauthors hane fet downe wnto vs in Figure (as yous may See shems leve ) picee by piece, not only how many rods, ells, feet \&o palmes, but alfo the minutes sherceof and what com. pas they contained, all perfectly defribed. Sad althousg it was no part of my intent, to tr anfate shis Booke of 1 in"iquities of Ronse inso our mother tongue, regarding the barrenweffe of our langaage; or peraduenture fucb as fadie or fawowr the fame, are all soo ferv to defray my charges therein: yet 1 haue not refrained to doe it, being thereunso compelled by the greate works of the forification of the Ciry of Andnerp, and other greas places, and for this caufe fpecially, ${ }^{3}$ has cuery man that wondrech at the greasmes thercof, which was made wit thmof great coff \& charges, may hereby fee and con (ider, yea how much greater, © needles char ges (ro be ccmpared unto this) the Romanes (not (Beaking of other nasion) buue in time pafl beflowed, in making of Obelijees, Firamides, 7 herwes, $T$ healers, Amphitheaters, tryumphant Arches, and many morefuch iske shings, which feraed onty for pleafere e' sryumph: where by it is to be prefumed, that they would baur made the fortifrations of fuch Cities or T owres, made for the fafety of the Land, far better then they now are. Now it is to be noted, that all, what foescr the Romanes base wade , so th not wholly agree with Vitruuius rules, fo that many whieb bawe counturf fyted thefe, and fach iske peeces of worke, baue thercby beene abufed and deceised: for fome would bardly belecue, that in tho e dayes (as well as at this time) all maner of workemen ware one better then another, which many, vnawares and vor kkif fully do many things, which good Antiquitics would willingly not fuffer, bereof they (hallf find good inflructions inz this Booke (and they may bearne, if they will read it) haw to dif cerne good from bad; whereunto the former printed fourth Booke is Specially made: for in it the whole quantity of the meafures is contayned, as in the Epille of the fayd Booke it is promijed. So in this third Booke, you ball not onely find, firff the $1 c h n o g r a p b i a$, and then after the Orthograptyes, with part of the Sciographies of the mooff famous Antiquityes of Rome, Italy, and fones of other places, but alfo of the moft excellent buyldings in our dayes, jpecially thofe tbat are made by Bramant. So tbat tbe Reader being well inffrwcied in the aforef ayd fourth Booke, where all the Orders are well fet foorth and declared, he may of brme elf etudge what is wicll or ill made, that at cne time a man may, withowt any fuy ther labour, make agodiand inserrigg ble pecce of foorke.

# The third Booke of Antiquitie. 

## The fourth Chapter.



Mong all the ancient building to bee feenc in Rome, I am of opinion, that the Pantheon (for one piece ot worke alone) is the fayrefl, wholeft, and beft to be vnderfood; and is fo much the more wonderfull then the reft, becaule it hath fo many members, which are all fo correfpondent one to the cther, that wholocuer beholdeth it, taketh grear pleafure therein, which proceederh from this, that the excellent workeman, which inuented it, chofe the perfiteft forme, that is, the round forme, whereby it is vfually called, Our Lady of the Round: for within, it is as high as it is broad. Andit may be, that the fayd workeman, confidering, that althings proceeding orderly, haue a principall and onely head, whereonthe nether pats depend, was of opinion, that this pieceot worke hould have onely but oreclight, and that, in the higheft part thereof, thatit might fpread abroad in all places alik, as in effect you fee it doth: for belices other things which haue their perfeet light, there are fixe Chappels, which (for that they ?and withinthe thickneffe of the wall) fhould be datke, yet they haue their due light, by the meanes of fome drawing windowes, aboue in the top of the fayd Chappels, which giue themlicond light, tal:cn from the vppermof hole, fo that there is not any fmall thing in them, but it receiuctha partof the light, (and this is not made without great iudgement:) for this Temple, in old eime, teing dedicated to all the godis, by which meanes there flood many Images in ir, (which she diucrs Tabernacles, Seates, and fall wincowes thew) it was neceffary that cucry one had his due lighr. Wheuefore fuch as take pleafure to mahe Inzges, ard other imbeffed or graven worke, nutt confides, thatfuch a Cabinct thould haue his light from aboue, that cuery one, flanding in his place, neede not looke for light to fee, but that they may bee feene altogether at one time. Eut to cemeromy fist fpeach: For that the Panit.con feemeth nnto mes to be the perfectert peece of worke that cuer I faw, therefore I thought it good to fet it firf in the beginning of this Booke, and fer a principall head of all other peeces of worke. The founder of this Teniple (as Plinie writeth in morethen one place) was Charcus Lgrippa, to accomplih Auguffus Cajarrs laft will, who being intercepted by death, could not finifh it : and fo it was built about foureteene yeeres after the byrth of our Lord, which is about 5203 , yeeres from the beginning of the world.

In this Temple (as Pliny writeth) the Capitals werc of Copper; and hee writeth alfo, that Diogenes, the Image-maker of A thens, made the excellent Caracters in the Pillars, and that the Images placed aboue the Frontefpicium were mucia commended, although by the highneffe of the place they could not be fo well difcerned. This Temple was confunned with lightening, and burnt, abour the 12 . yecre of the raigne of the Emperour $T_{\text {raian, }}$ which was about 113 . yeeres after the byrth of Chinf, and in the 53 II。 yeere of the creation of the world: and Lucius Septinus Sencrus, and CMarcus Aurrelius Antonius, repayred it agayne, with all the Ornaments thereto belonging, as it appearcth in the Architraue of the fayd frame: which Ornaments, you muft prefume, were all new made, otherwife the Caracters of Diogenes would fill halu bene feene there. But in truth, the workman that made it, was very iudicions and conllant; for that he preo portioned the members thereof very iudiciounly to the body, and would not fuppreffe the worke with many cuttings: but as I will fhew, when time feruerh, how to place and deuide them excellent well. Alfo, in all the worke, hee hath oblerued the worke of Corinth, and would mixe no orher withit: and withall, the meaures of all the members are as well obferued as euer I law or meafured in any other peece of worke, whereby we may call this Temple an example of workeman!hip. Butleauing this mater (for that it giueth the workemanlithe, orno influstion to the purpo(v) I will proceede to the particular meao fures: and that I may goe forward orderly in thife Antiquities, the fint Figure mall be the Ichnography. Thefeconds the Orthography. The third, the Sciography.

## Of Antiquitie

This Figure following is the Ichnography, that is, the ground of the Temple aforefayd, which is meafured by the ancient, or old Rominh Palmes placed along by the fide hereof. And first, l peaking of the Portall, whereof the Columnes are 6. Palmes \& 29. minutes thicken, The Intercolumnes (which are the Ipaes from one Column to another) are 8. Palmes and 9 . minutes: the breadth of the Mortal is 40 . Palmes: the breadth of the flat Pillars of the Portall, is like the Diameter of the Columns: the breadth of the Sates berweene the Pillars, is so. Palmes: and the Pilates on the fides are 2. Palmes: the wideneffe of the Gates is 26. Palmes and a hale : the wideneffe of the whole Temple (that is, of the Floor within, from one wall to another) is 194. Palmes: and iuft fo much is the height from the Floor to the vndermoft tone of the window about. The fayd round hole is 36 . Palmes and a half broad: each of the fire Chappels that are made within the thickneffe of the wall, are 26. Palmes, and 30 . minutes; and gre halle as deepe info the wall as the thickneffe of the fore fquare Pillars on each fides. Bur the principall Chappell is thistie Palmes broad, and alto is an halle Circle, befides the Pillars aforelayd. The thickneffe of the Columnes of all the Chapels, is 5 . Palmes, 3 . minutes leffe : the fourefquare corner Pillars alto of the fay Chappels, contayning as much. The Columnes of the Tabernacle betweene the Chappels are two Palmes thicke: the thickneffe of the wail that goeth round about the whole body of the Temple, is 3 1. Palmes. And although that the Chappels make the walles hollow, yetbetweene them there are hollow places made within the wales, which forme fay, were left for places to receive wind,becaufe of earthquakes. But Jam of opinion, that they were left fo vnilled, to Ipareftuffe, because they are made circlewife, and are ftrong inough. The going vp, which you fee here on the left fides, was allo on the right ide, to go vp the Portall: menalfo went from thence round about the Temple, over the Chappels, through a ferret way, which is yet there: through the whichalfo, they went without on the fteps, to clime vp into the higheft parts of the buildings, with many goings vp which are round aboutit. It is thought, that his foundation was all one maffe or lumper, and without, many places hollow, fo that forme neighbours marking it, and reeking to build, have found fuck a foundation when they digged.

This is the old Rominh Palme, which is deuided into twelve fingers, and each finger is decided into fore parts, which are called Minutes, by the which meafure this prefent Figure, with all the parts following, was mealured.


Thethird Boake.
The fourth Chapter, Fol. 2
The ground of the Pariehcon calica Rotonde,


## Of Antiquitie

## The forme of the Pancheon withour.

T

 Der that fuch and fo olo a ptece of woske is pet cobole smo fancing fill, foz tyat the founvation was not fuaringly mape; log it is thought that it mas once as biozo agatue bnore as it is aboue, as it bab berne found be the neighbave
 ter of the Columens of the jogtal is fire palmes emine and toentp minntes, but the beight is feare and fifte balmes
 high, ano the Capitals feucu joalmes ano fuct and thitte minutes bigh; the beight of the grebitraus isfue falmes,


 is not fet Downc in weiting; butconfibering the great potuer of facly





## The inner part of the Temple or Pantheon.

T


 and frem the ©oenice fo tle brgheft part of the rofe is alfo the fame meature, that is, eath the balfe of onebundere nimetie and foure aimes. ILy Suspants in the rofe are all like, that in the mibole; and it is thought that thep were alfobeautifieo guce with bilucr plate by ect tame remmants thereofyet remapaing to be feene: fos if tbey hao beene of Copper, thep woulo pet be fens there, ozelfe thofe oure the fopzals tooulo allo bauc beene taken afwap.
 seme, but $\$$ make it onely art of the grouno to thexo the meafurc of the hetght thercof, that pou might not mife it be
 In Diuers pagess) that is to fay, in superficies, ano manp bosies, and siures feets of heales, feruing thercunto: 3 fell
 thereof fet oomene a feucrall meafore.


 gltar webtef is greater then thereft.


## Of Antiquitie



This Danament is vel taneing aboue the jogs tall of the faantheon, lobich is made in this manner, all of Copper plates, the balfe Circle ts not tyerg; but bere bisg a crotace bupcricics finely mace of copper : and manv men are of opinious that the beautifying thercof was of छiluer, fog the reas rons afogetaio: but wherof it was, if is uot well knemens bit it is true, it was ercel: Icnt faire sooghe, sonfloen ring that whitb is get to bee féne.

T







 mutes bigh. Dit the otyer fewerall meafues will yricafter fpeate at latge.



Ebe Cognite; fráre, ano Erchi traue fands aboue the $\ddagger$ wie of the烈ambeon, touthing the mearure thereof, tye grshitrate 03 ©uper ficie is the cight part of the light; the jrcere, breaufe it is oncut, is a thiro part leffe then the saperfis cizs, the Comice is as bighas the superficie; the otber members are pzopoztionce arcozoing to the greatneft, whercty a man mag ande the reft mith the compate.
©

## Of Antiquitie

T


 ing the meafure, the thicanefic, ane the beight of the columnes and the failars, itis betozefet dolone, ano theren
 they ars ozature ane papoztionze in their meafare accozoing to the greatnefe. The fmall peillats at the going into the Fipmple are forre fquare, in manmer of pillaiders, the meafure thereof 3 will bereafter fet oowne, foz thee ars alfo at




## The third Booke.

## The fourth Chapter. Fol.s.s.

I

















 as it Le hers biner ficeato


## Of Antiquitie

T


 widenefeof ane of the fire Chappts, trbercoithoare in fomme of the balfe ©ircles, and fhe other foure in fozme



 Guich you map fá be the fozme of the blino windotere tobith are within the elyapyell, for the other thoulo rume moze







 touching the mutiles, woulo not cutanpocatiles thercin, therebe not to fall into that commonerrour, iobereinfo mante
 mers whercin mutiles ffand, ano bnace bauc Denfiles sut in them are bicious, ano be Vitruuius arereiected in the fecons $\mathbb{C}$ bapter in bis fourth i上mene: and although that in this ©omice the fome of denticles are, notwithtanoing, becaufe it is bincut, it is not to beconormaed inthis refpet. abore this coantice there is a j30Diam, og a maner of beariag out, Whereof the beight is fcuct palmes and are minutes, which commeth not farre out, foz the leillars fano not farre out



 neth not the fozme thercof, but rather the moge, breatule oneut mevibers are mireo with the cut members, amo fo wou fé


 FFtexf of the firlt Cozinice is fine pzaill fous.


## Of Antiquitie



 farte viffant from the cralall，that a mas might neate the whole 1920 iet ture of the ©oznto ces therein：there？ foze bee mate the grinetheram，＇ant tbe retb of theother members lies fuxe ned into a Farcic， Wherte the woak Loas moze ciemsle and accompaniso with geder．\％us tho blinde soins Dotwes are theght to baue beeice pla： ceofoz ionls．昰化e fote of the ELabere nacteis 9 ．势aims and 11．minutes bigh，the thicknes of the ©olumites are tioo jailmes， the beight fixterit plalmes buthout शabaics of Capic tals，tuetbates are ene faime bigh， the bright of the capitals are tion fatmes \＆a balfe： the Mrthtraue is a ploaine，tí fltare allo is as madty， wobith is alfo of Ene profil，butthe beight of the $\mathbb{C O}$ az nice is al 1 alme a balfe，the frentis fitceis 5．llatms bigh， 4 gitbitraus aboue teff feillars，is a forlue an thre quarters，the do thermeatures fital bereafter bs foetuy 80；ofthere sila bernactes there are thze twith Slarpe geuels，and thet with roune geucls，that is tys fourtb part of a circle．

T
 bercumto anmereo; are members of tbe: Zabernas clesingreat ; as the letters A. Bi C. D. ficter tyear. Eisuching lbsit meafures in beight, it is fielaco bes. fore, and for the reftitis fuf: ficiout log the wozacman that all tbing from mexil: ber fo member arefet oat in great, anto pzopogtionable twith great viligemce bzoght info this forme, although it maxy bee that fath as fuoy Vieruuius will :thinte this Canice to bee to high foz the propoation of tbe firche traue ane Frefe; and Toz mis part tooulo net make it fo bigh, but to foe the fame in a plare that hath great ous Itances, ano which liandeth not bere thith it metueth to becin gmb propoztion The Capitall is farre from ViIruujus Dzoer of Lexiting, foz it is bigber witbout the as bacus, Then Kitcuusus ma: keth it tvith the guacus:mot luitbfanding, accozoing to commer qpintort, thep are the fayzeft capitals tbat are in Rome, (ano not onely the capitals of the 正aberna sles) but thee alfo of the Chappela are of the lite fozme, ano topie of the 190: tail alro in ruch fogr, that 3 fuoge (as 3 fayo af the be: ginning ) that 3 baue not found a builping of greater obferuatien of Doder tben this: but if 3 ficulo mapte all that ars in it, bath withdn and mitlout, 3 fleato per gouenture be oner fesions, toereloge 3 hail make an mo of this konderfullswilding, and fpeake of ather antis quitics.


## Of Antiquitie

T















## The third Booke.

## The fourth Chapter. Fol. 8 .

H









## Of Antiquitie

T
 round about it, as pouman perceine by fome berg rainoks places thercof, ano all about brtweme carb butera




 ciber ur 13 haiter.


## The third Booke.



 placen therein, which hing Nero bad gathereo together out of oiucts places, twhich wore ne malinumber. Vefpatan


 are many pieces yet to bee féne in Campidoglo; and among ofther pieces there is a fiote, wbercol the magle of the great $\mathbb{T}$ oe is fogreat that 3 late

## Of Antiquitie

T
 fannoeth in the miodle of the grount of the ecmple is halfe an elie a ffirff, the length of the looges about is 122. ©iles, the beesth is 15 . ©lles, the wivenefe of the places brfoze in the loogis contaime 10. ©lles, the thickeneIte of the 1 gillars at the entric is fine © $\mathbb{H}$ les, ano betwente the one jitlar ano the other is 10 . ©llice, the goings in on both fiocs, boty of the 1 Patall ano of the ITemple are 16. ©lles wior, the length of the whole Exmple is abcut 170.


 Canell is 5 , ounces broab, ano shelif thereof one ounce and a balfe; the basety of the quincipall Chappellis abcat 32 .




 graptie, 化估h is the frigure hereafter fellosexing, becaure the grouns is allcoueres oucr with the ruines therenf; 3 roalo



 are not arcompanicd with any thinga buttand bare ains rateo alone.


## The third Booke．

## The fourth Chapter．Fol． 10 ．

TPlat 1 Luitoing is ralleo Templum pietatis，it is maek altogetber of atino of rough four，tuljich is there calleo Tiburzium， after the 3 ainer of 昰 i ber ；but fos that the fone is fpengis ano ful Df holes，it twas rouered all ouer fuith a dimo of习1 laiffer callso gitucco，$^{2}$ it is bery ruthelis，foe thercin wou fá nopso poztion of Winiouncs： neurthefle，すbaue pla ced lben in the ground where 3 thanght them fitteff to damd．suis 2builoing is meafure with an other clle， lobictis decuibeco ints 60，murutes；athe lina thaough the miople of thegrouna of the eqim： ple isftet thito pati of the fato Cllle：竍iff，the Colunesate an Clle 18，minutes thicketye intercolumes 3．©tIcs ans 14．minutes，tye bacett of fhe cates ien． CHiles and 14．minutes anoabale，the thicthēs of the wallis ene Clle and 20．minntes，the leritega \＆Exmpleis 18．Clles and 20 mi mutes，the baceth of the Tizmple is 8．Clls and $30^{\circ}$ minuts ：the ©゙als lery round about the THmple saas flat roos feo with foure fquare nearches：buthoto the bzado place befose the Itmple was raice camตot ธõceane，becaufe it is to rutuens．严he toldumes of this TLem＝ ple baue mo 1 Bates noz
 tere，but flano bare op： ant their ground ef well maoc of Tiburtium， andercuerco nuer with E）tarce：eftis sicmple bax she frôteipice both befind and befoze．


0







## Of Antiquitie


 minates, tut the bozel e the cinttie of the colummes
 arealio rectonco with it; the beight of the grehis traus is 36 .minutes, the bsidbt of the 㢈rates is I.
 nutes bigh, from thence oploares, the EEimpanum
 cular members marbro toith é caracters are ingreas ter fozme, ano atcogetngle pzopgationed.


Tue third Booke。

 the acemple of Tictia, the molf partiteresfis ruinateo; if was well womabtafter $\mathfrak{t}$ © aitntbia manuect befoze it is rateo up from the carth as the $\mathbb{B}$ are thercof $\mathfrak{x}$ aneeth, but



## Of Antiquitie

T













 will pageationco: This zafmoow is wgought hoth bithin ana soifyont.
 afactavo ano this ato is meafurco.
$\mathrm{COH}+\mathrm{H}$

The third Booke.
A he fourth Chapter, Fol, is,





W
 annamenis thercin fobicty 3 haue fereplaceo in flitute; but as it mag be conceiued bp the ground therrof, and




 tye fame becoth, fo are the foure $\mathbb{C}$ bappets alfo sobere men goe in, of the fame wivene ffe, but batk ward they ara miber


 3 cannof tell how they enoed aboue, foz thereftanocth not for much upzight as a man may eonceame ane thing thercof cera


 Emple.

The third Booke.


## Of Antiquitie

T
这zicke, it is not oery great, it cannot allo be pifcermeo, that it hao ane light in it but at the poozes, ano from the


 thereswith op ertuention.


The thirdBooke．

TThis fmall Them： pel is of hogreat compas，and all made of tissicke ；it is meafured big tye oloe Hiomane zoame，the Inngth of the looge 0 ． （Ballerp is 40， 7 Palmis fle beedet therofis 16 ． Holmes，the wooetis 10．10ainis，the places in the walles withits， are all－ofone toiorness that is，14．Walmes； the fpace between them is 6 ．Malmes，the reft mate bee gueffed ly fight ；foz 3 gutf the betght foom flye 3 男act ment to the grebitrave to be 40 ．物almes，ano the Girchitraue，Frafe ano Comice to bee 9. foalmes：and touchitig the reft，made ac： compt that if 3 allosy， co aflatme opzight foz the round rofe，thenthe zotole TErmpel fipulo beabout 70 ．热almefo


Of Antiquitie


T－ 7 is TiLmple 18 without Rome， made part of Parble，ano the rcif of 通zich，if is nuch Decapeo，it is theugbt thatit loas abexpurchze， ano on all fioes it is rtgit foure fauare ；frō the me wall to the other is 30 ．paalmes bzoan，the thickneffe of the wallesis 2 ， 3 palms and a balic，the wioe， neffe of the chappelis tum Is tur joaimes bead， the lysigle of the pait lars inith Hates and capitalsis 22 ．foalms ano abalfe；the ibickes grefte of the zbillars is not muth aboue two 7aalmes：Withe grchis franç Frate e ©osnice are 4 －踅elmes bigh， from the $\mathbb{C o s m i c e}$ to the beight of the racte is 11．排almes：约e betght of the 150 omes of the © tyapal is 20.翟almes．

## The third Booke.

## The fourth Chapter. Fol. 15.

T









 will not name particularle, foz they ate pzopoztioneo accozoing to antiquitie, fobercoi pou map fefome patto.

2Lye thet part of the ell afoctago


## Of Antiquitue



A








 berpftilfull in Irchitectare, Enllowing Bramants feps, made perfect this dzatght, the whith in mp opinion is one of






## Of Antiquitie



 in the midote fycris: etberaure ©









## The fourth Clapter, Fol.ay

T7 He: Fir: ...













## Of Antiquitie



The thirdBooke。
The fourth Chapter, Fol.18.





 ibis bere andy fos the muintion.

(i)
(1)

B

C
(1)
©
D


珀

## Of Antiquitie

I







 tge ficit.


The lyatie of the Homane footc:
$T+1+T+1+1+1-1+1+1+1+1+1+1+1$

## The third Booke.

Whis is the fats gremple fanding by, inhich freweth the one balce without, ano the other balfe hithin, ano is moe allogether affer the EDotica, as gou ré by tye Figure. 3 (will liot ficaike of the particular meafurest foz beg the

## The fourth Chapteè. Fol to :


 oc!unc by the mestures theceat, amo from the


## Of Antiquitic

N








## The third Booke.

The fourth Chapter.Fol. 20.

T




 anio 3. Jealmes, the otber tivo lenger, are 56 . rooves and 3 . Fpailmes: the beceth of fhe twalkes is 32 . paalmes: the






 beautifulneffe of Hzuiting.


## Of Antiquitie

T




 ff: but rot long fince, tbegreat loatrician of Rome, goine to make aboufe, the frituation bitereof was to be fet opon

 SIbeater was difcouereo, Lobereby Balchafar concer ted the Lughole fozme thercof, who meafurco it with great eircumipere fion, placing it in the fozme follotaing: my fatie being at fort fime in Rome, falomany of the coaniecs, ano found fricnollip to msafaretben, and in truth, there found asercellent formes as euer fain in any olo fatins, ans mofin in the ©
 rg fall of members, and well wasught, ect 3 louno it to oiffer marb from Vitruuius infractions: foz being licencious incugh of wembers, was of fuch a betebt, that the tivo thiro parts of fuch beight thouto baue bane inough to the fithio

 bee weill make a comice, oz ofber thing tuft of the fame propoztion asbechath fexte and meafured, and then let it in











 of the watines farre.












 Sobith taxs meafurco (befoze this) with acommon ©ll, whith is deuide into twelae parts, which parts are callse onnces: ano curce punce bath fitie minutes $;$ of whith $\mathbb{C l l}$, this is athirg part.

Eryetitr part of the cill.



## Of Antiquitie

T


 thebright of the capitall, is balfe the thickenefe of the Columaes beneath, the mbith $\mathbb{C}$ apitallis mose perfecter
 alfo the impsth, tobereon the archrefteth, is as bigh alfo as the capitall, ano Ifanocthalio in the fame leafe E. 3. The

 Ce:l ano epght minutes. That height of the whole Coznice, is an Cll, ano fourtie minutes: fhe loivenefe of the feceno grth of the fecono ozoer, is as foibe as that belolo; but the beight is ten Clles ane fourtie ano eyghe minutes:


 the ©olutis, from tbelif of the Columnes, foaboue the Capital, is 36. minutes: but the ciolute hatges ouer the afras gall oe fibazell 20. minntes anea balfe, mbich in all, from bencath tbe ololutes, to aboae the abacus,is 47 . minutes
 clles: the bright of the Grchitraue ts 59 . minutes:the hcight of the fraic is 5 8.minutes: the beight of the Coznice is ant



 be me, bat by the axtpozity of Vitruuius: ant alfo of gmo Antiquities, whith are there which belf agres with the dots


 fbe 4, markeo fnith $M$.


The third Booke.
The Fourl: Chapter, Fol. 22


## Of Antiquitie

I


 ing to fuch a piece of cooke. Gno in trueth, the ruines tho the pirces bobich are get at this day found, ooe ohem

 and come balfe round, all bound togetber, ano well wzought, after tye ©ozinthig; foz the whole woxt, both without and within, was made after the Cozinthta manner. THis YBuiloing was meafure with a moderne of bruall foote: sobith


 wapes of frateg, are of 70 . foat: the wap markeo T. cemes enen foith the plaine of the plalpit of the eacene to the foures
 is of 17 . foot a a balfe; but the fozestancke of the gillars rouno about the (5allery, together with the Columnes, bolocth about fiue fot in byedth, ano from the one quilatter to the otber, ft is absat 10 , foot mixe : ant ibis is touching the groune




 of the 亚beatre. fiche grch marked with A. fignifieth the going in, the fecono arch C. and B. are unoer the ffeps, the Comice befioes marteo with D. is the tmpoff of the firtbes : therentoco no going op tothis gheatre, foz the hill afozeo



The third Booke.


PROSCEN.
 POR TIG.


## Of Antiquitie

T

 t fuil of ©olumnes טpon Columnes，bofh oouble ano fngle，ano alio in the innermolt ano cuttermolt parts，witt） duers oznaments of ing the meafures， 3 ean fap little；hut of the outtermof parte， 7 mill fap fomesobat of iteir meafures．The firf，a ruo

 Capitals，is 22，foot；the thichencfe of the fillars，with the ©olumnes，is 5，foote：the thichnefe of the Columnes as lone，is two foote ano a halfe：the wionetce of the grethes，is about ten foote：and their beight twentp foote：the beight of

 the meafares of he particular members，but in the figure pou may conceaue them；foz they are inf of the fame psopoze

 thereof ：the ©apitals marked S，ftede within，with fome halfe rouno Columnes，ravieo out of fome flilaters，things
 asthey map will be compared twith thofe of Rome：the ©onnice，frére ano architraue，marked A．was in the higher part of the 到heatce：the ©omice markeo B．is the impoft of the fecono arch：the Grchitraue，方texfe ano Coanice，mats
 E．gorth aboue the rufticall batementround about the 速uiloing：thisline bercander is balfe a fote，of the whole foote
 ysecifely；foz thefe tbing of Pola，iotere meafured ly one that had moge bioer fäding in caffing，then in meafaring．

Eye gaife fonte，sugreby this is meafured．


The thirdBooke.


The fourth Chapter ${ }^{\text {FOl }}, 24$.


## Of Antiquitie

A


 ticus going from the 近heate, there toere foure fruare fallarg, alfo the etapze thereof were bery fimple ant
 Different from otbers, as pou thap fé in the ground fbercof: neftber is there to mach flanding aboue grount, that a man
 fpeaking of the ©isbeftra A. which is balic a Circle, the miameter thereof is I 41 , fot ano a balfe long. Firbe booy of






 there is no fhelo of any ©olumnes; but itmeeweth that there was a wall Ianding by the water fioe. Fithe bzeothof this





 the length of all together, is 60 , foote, ano is diffant from the ITheatre one banozed ant one ane foztie foot ; ano from the otger Hzuiloing, feukntie foote ano ahalfe.

## Fige half of tye olde foofe.



The third Books
The fourth Chapter. Fol. $25_{4}$


## Of Antiquitie

$T$



 meffure, but mabe onely the inuention ano fozme thereof. Che ©ate martite C. is bettoeere Foligus ano Rome, out in the firimt: anb although it fáme aliernticus ano vnfémely tbing, that foe Arch fheulo bzeake the pafage of the archis





TIT is favo, that this builoing foas cals Leo, pozticus, of Pompeo: others fap, that it luas the boufe of Marios but it is calleo bothe Common people, caras
 Jarne, was omely mader fer men to cafe themfacs in: Pas there is to olodiling ill it at all: and although this buitoint at this Dag is almoly becaper, pet it bas bery great, and contayne many plates, as goule bg marg butes of thisbuilo? ing lobith are foom in the carth, zuthere the Lime ifaroeth, is now the loap to gue from Campo Mloso, to the Jewes plact: ano whare the erofe to nolo, che boules
 is the gewe plate: fobere the M, Itatos eth, bee the parcellarii: aubere tibe C. flanoth, is the © gurch yaro of ©. . .alb
 ts the Jozentront of the boures of ceto fis : fo that thereby you magrex the great compas thereol. TLhe the teround thing weere satavees to gee op to the two emps tie fiounoles. find fos tgat thereis ino
 it is to bee conscaned, that they serere of per places to make water int ( fos fucti) fining 3 are necetare. Eyse gromio is Shis wothe is meafure by the fame ©
 meafarea withall: lotich mexiare yous
 ano (halfe an Cllarabertity minkets.)
 is thex Clles ano a balfe: the thiclitette
 teecolumnts, are challioes, nirc celles are a thalfe: the paitaters ofer coure Comers, are (o much mode ther the cuters nof Comers femb buer tiont: which Cosners mere mabe witio grod iugse ment, foz thes geptolo the coance by ffentif, ano with beanty of wodke.赖cechp woikemen map Icarne fosw to make ©ozners bith Columnes, and noith hitaidersboamo tocetber, that the Coner map alfo be fourefquare, as the Columne is, which giacth the ©saner moze fafficte, tyenif tyefame $\mathbb{C o z a e r}$ boere ofatue along the jlitafter: and
 you fee them mamer, bhere the two rouno Columnes couer the conter, then theg will fáme bupertit © tyeyare téneonallfoes.


## Of Antiquitie

I
 thoughthers is not much theresf tolbeane: neuertheleff, thste is yet to marb tanoing opaght (although it be




 beight of the Cuneo, that is, the futfing fere abene the Grct, is 2 . ©lles: the beight of the binding, sobich is in fead of










 uap conceaue the freetes, connites ano grchitraue.

Ghe thiro part of the eill, Loberciviththis is meaturev.


The third Books.
The fourth Chapter. Fol, 27 ,


## Of Antiquitie

A9)

 caufed to be made, iobict) is all of sparble, and made of man pieses; but fo cicrelg iorneo feacther, that they fame to beeall one ptece: and to gitue the pattecular mearare thercof, 3 will begin at the fogte of the dibafenent thercof: Ant


















> S. Po R. R.
> IMP. CAESARI DIVI NERVAE. F.NERVAE, TRAIANO AVG, GERMANIC.DACICO PONT, MAX. TRIB, POT.XVII.COS.VI.PP. AD DECLARANDVM QVANTAE ALTITVDINIS MONS ET LOCVS SIT EGESIVS.

 feame of the Colamnes and finting, is nothing pifparageo; betwoene sobich ffigures there fand fame erainoowes, which
 at all, ane pet thep are 44. in rumber, ane 3 Loill fuclu the tobole Colamine in the fligure folloloing: butthereare the
 gou find it before gisan tye round.

The thirdBooke.


## Of Antiquitie

1










 sote frandeth tycte letters.

## DIVI CAESARI. DIVIIVLII. F. AVGVSTO. TI. CAESARIDIVI aVGVSTI. F. AVGVSTO SACR VM.



 minutes: tye 壮arement twas all of one picce, ant the $\Phi$ belife markeo R. is in circo Antonino Caracalla, and is brokes,


 so gour aght, as being haik trosme.

The third Booke


## Of Antiquicie

T5 Imphitheatre of kimme? ileo colifeco, Vefpafianus the cour caufio fobremade in the of the ©itp, as Auguftus yad itedit before: 解e zetuographie ocuioco into 4 - parts (as the gis of 4. Deorrsjtat you map tano it the bertce, becaureof the artificialatfe thereofo © - is mafreen bp the anctent : ano fret, brgining at the cuts tparts: Tiy fivaficts befose tifalmse ano 6 minutos bacab: hamis of the Columne is foure 13; bat toe zesiafter on epthic

 ximes; but the a pictipall gas hough hole 22, waimss: tige Ife of the filaters in the fiocs - 2almb. Erentioentic of the S2ticus is 22 , 3 alnug githe 2. is inloaris, is 20 . batmes both) of ifim rafe. 3herlber es tolvares fhe Comte, whate Ifrn thenisturs, 3 twilfnsifet but op thrie outwaro gou mag se it, becuure they are all page fo accozoing to the rame: the hofe part of tije 2. Schnogt aphe lue 1. but the ceatromber bsosocr: foz fil licliafers ate



## Of Antiquitie

I
 ocrs: noln 3 mulf then the fandiltorresf, bo the whtha man may conceauc a ateat part of the inmare tbings:





 whole, from the top to the bottome, ano pet tbe inward parts are orcapeo, and that baththe danwing infoard ul de cers
 sommion builsing ir elenice, but rather the contrare, becaufe the walles withoutare in jerpenoicular maner, andles fenintuaros: and this thep Dor (for want ef rround) to get the mege frace epiwatos, but tyat which helpeth futh buils





 migetider that the oppermoft parts of the bighrit that the fandicas was alone, aud ibe otherleft open: therefoge 3 haue made it in tho mance of wapes: the one is (as










 Gra A. are Dozes, whercog men went without, op thostapers to the 近heater.

The chird Booke.
The fourth Chapter. Fol. 3 \%



4

## Of Antiquitie

T

 gliphes hoz 9 etophes, noz get guts in the $\mathbb{E}$ piffolie 02 Architraus; neitlyer Fulmines anoguts onver the crotons, yetit may be called $\leftrightarrows$ ogica, githe fecone $\mathbb{D}_{2}$ oer, is after the manner of gonica: ano althongh the Columnes be not


 be ralleo Compofta, were itbut foz the mutiles which itano in the frefe, foz that no other $\mathfrak{b}$ toze bane their motiles in
 ome fozme pe ozoer as mang others are, as that of V erona, whith is all of rufticall wopke, and that of Pola alfo. $\mathcal{Z}$ man
 Diders bad their beginnimg ${ }_{2}$ moulo fet thofe 3 . generations oneaboue another: \& aboue all thofe ojocrs, the © © ompofta, as found by themfeluef, thersby fignifeing, tyat they aty trpumplers ouer thofe people, woulo alfo treamph with tbeir




 of the Columnes, are thze joatmes aud thace minutes: the widenette of the Grefis twentp loalmes, and the heightis














 beames, the whith areboazed theugh with loles for men to datw co:dos to couer the yole amphitheater, ais well as gainf the bume as the rayne: foz cobat caufe the columnes are all of one thickreffe, ano leffen not one moge then the

 ter; and that the partitular members man alío be noteo, 3 baue marked them alfo by the $\Phi_{2}$ thographie of the Colifee,


The third Booke.


## Of Antiquitie

I

 therybil bath nether Tr rigliphre, 9peihopes nog deuts: ilie tyoo Elowers on the fioss thereof map bee ralled pice

 Ifft one of them pat. The zshnggrephic is bnberneath the figure, ano luas mrafarco with the ancient fote:ano from one Tobler to the other, arr 60 . Ano 10 . foote: the midole ©ate is 20 . fote wioe: हath) fote inioe: the zilafter betwernc the 2, pogit 0 : ©ates, are io. foote bzoad: the beight 3 fet not oofune, but onely the tumention, becaute it pleafeo me well. stye stapses gnoer the Filloere, with the gromi, E. are be our gathos made on both fiess: but actezoing to bis grouno, the Stapies muft comeas the finnaboue the ground C , 63 sfie not, then the grcuito muft bee maod like D. تthis, ando other things moze (although there confifeth no great matter fycrein)? (hought goo to note, that per map knolo tbat 3 bauc fet thé toxine yace by pace as 3 founo them.


## The third Booke.

## The fourth Clapter, Fol. 33

T






 particular meatures, eft the are solfecteo ario fet Dotwe out of the great, into thermall meafure Dedorico


## Of Antiquitie

T


 mose : oncly of the beight inillap fome thing: Ind fut, the beight of the firle arch is 23 . fote: the beight of
 $\mathbb{C o z n i e r}$, is 2 , fote and aljalfebigh: the beight of the fecond arch is 24 . fete, ano tis wiocneffe 12 , foote: the height of


 abalfe: againft befe pailars, as farre as a man map precciuc, therc were $\overline{3}$ mages, of gwo bignctie, fet : the thiro ano

 following, and there below, the fgeofill oz cutting of tize outcrmoft part of fle fmphityeater fhall ffano. and thitole, there
 suithfomes of Merona, being bere bard: but the Cogniees are \{omelobat better made: lohich Cognices baue biuers ano feucrall formes of the tiomanes, ano are bery like onto the ©oanices of the Gmphitheater of joola. gourbing the plaencmetfe of this Amphitheater, which bp the © Common people is called, La arena, (taken from arens) wobith isfand,

 the fano thenpzefentlg figerecame water, in the fight of all the beboloers, frhith paft though fome conouits, andin fhogt fpase filleo all the place full, fo that there ties might mahe battailes, ano thyufore at another with serutes ano



 water: \{which Spectacle foas made alons bpthe loater fice, againt abill: and bigber optaros, aboue this spectacle,

 furpalte all the ofther: but the ruines of fbere buildings are fo mang, and fo caftocime in procelfe of time, that it woulo he great charges ano lofe of time to find shem out: but foz that inmany places of the bill 3 gaue fane fome parts beres

 and fectiallg, the men of that Fome are bery familiar ano ftenoly peoyle.

The fourth Chapter Fol. 35


## Of Antiquitie

G

 whuth twas nambs Leferte Zone di Sesero: of whith tisuitoing youfé a cozner of the


 of she foozke. Wane not meafurco the beiglet of this ybuilding, but onely the grounbans







 bp into the Inegings: but men map coriccaue, that it mas murb greater, ame that inotbere
 Enben it woas whole, was a notable piece of mojac, in regaro of the great number of ef



The ehird Booke.
The fourth Clapter. Fol. з6.


## Of Antiquitie

I






 trauc is a foot and 9 . ounces bigh stge beight of the flrxfe, is 9 . ounces : the beiget the comice, is one foot \& 10 ounces:
 bright of the foillar is 21 . foot 9 . ounces, with the ©apitall: the beight af lbe grab,is 18. foot and one cumer: the thicts






 ater: betmane tbe failaffer H. and the wall oz falafter markco I. ts a going fysough of shate fot ane an balfe wiot: fo
 ple might tiant ; but tbere are no fagzes noz fanes of dapees, but twere made of toood, as map be fecme bp fome bolcs



 thev are of a better manner of teotec. 3 amoi opinion, that this loas an otber wozkeman, sifferent from the other, and

githo halfe comman foat, wherefitth the fimphitheafer is meafured.


The thirdBooke.


## Of Antiquitie

A



 Df Tiberius ano Nilus, which are noluret in 通elo:uerie: the place markeo A.is aftecte oz lwap of 10 . ©lles bzoabe: the part marker B. is 12. ©iles fomerçuare: the part marke C. is 36. ©lies in length, ano 18 . ©lles bjoad : the place D. is 36. ©llcs fonre fquare: fbe icallese rcuno abont are 4. Clles bsoad: the place cuereagaint C. B. is of the lite meafure. The






 anoperfiter fozme, ano the ofler ts a coance of the court D.


There 3. Finures are membery af E afostaio parllace: the part onoerncath in farall forme, fimititety the



## Of Antiquitie

A











 of the architrawe, ts tho elles, ano 23. minnatce: the comice betimane the Cumme and the counter-pullar, which












 (ixaty

The third Booke.
The fourth Chapter Fol. $39^{\circ}$


## Of Antiquitie


 cafe pe the eitue of Rome: which, in tructh, (inregarp of the commobtie ano grcatnefe of the 通uiloing thereof, and fpectalle, the great frength thereof) map well bee callee wenoerfull. It is of foame tacragonich, that is, $\sigma$. comere:
 greatneftetberof; cuery jfacie hab a large walking place, with ©alteries rcuno about, 4. Apportimente alfo,compaffo with © Balleries, and a waltsing place in the miodie. Glong the mater foe tbere were trunctes of columnes ozoerle plas
 in time of néd. And foz that you can haro'g perceaue the Appertiments in fofmalla fozme, therefoze 3 baue placeo them beneath ingreater forme, anomarkeo them rith $A$. and $B_{0}$


The third Booke.

## The fourth Chapter Fol. 40.

T





物almes an epther fios. 2che part L. is 125 . Finalmes, tit

\%

## Of Antiquitie

T
 Deffullp made, ano bere grtikiall, ane that ts, foe that the Grches of thefe preferuatipes are placeo in fuch gewb 03 , tist, thatia men, fanding in the going theotgh of the one.feetbibem all ouerthwarts : and this is the place which
 in their you fix ouerthwarts, bachsparvs and fozetwarD5, alloapes 7 , in number: the thicknetre of the malls, is fourc fot

 seity moft haropladfer.

## Elye ole tomancéaime?

## 


 chely, that poundig fex their manner of making of yainges.
 ancient fomanes, it was calleo lonnte ©lio, of ©lio govianus:


Agong otbet exitermes which are in tiome, 3 findethis of Antoniano to bee better to bee nes teo then the retfs ant altyough the efthermes of Dioclefian ace greater, yet itu 2bis 3 Ino mad rapaer cozrefpona Bencie and buite ting togetber in cuerg part, tben inthe otbers: foz that in the plate C. thse might make allatino of豝lapes 0\% fyozts toitjeut arse bino Derance. \&no fos that ef githermes weers spectalle mabe for men to bathe $\mathrm{inf}^{2}$, as thep were blee faz Dis uersfogets to us made in them, [o yas tox psectr wation of tbe wowa ter made bebine 4 builoing, mats ELED A. Intere, by meanes of tbe 3ipes, thepinere almapes filleo to ferme foz fuct by fers.

Of Antiquitie


## Of Antiquitie

 5 ron of the rmainete of tye figures, whith coulo not be mauegreater in tyis 1 Fibere, a man rannot fo wel knoin the particular partes, therefoze 3 bate in thefe tono fioes fet tolunc fome parts maze plains in, as the ingenious fonakeman, bg tye letters wherctoith thepare marteo, mayté ano findthem, when be rompareth themwith the whole grouno.


## 8 18 1 1

## 

## The third Booke.

 The fourth Chapter. Fol. 43A








## Of Antiquitie

A


 is 270 . 引oacs, and is right foure fquare: if is all of taro fone, ano ycu map clime bpon it without, (but noteafle) ons

 they are all of one beight; fo that the beight of the cobole flitamioes is as much as the y
 men perume, that fome grcat perfonbatithere bene buried: butgoing in, bpoan the Ifft gand, gou fino a goimg op of
 sue mioble of shis 1 Piramites there is another going in, but it is faft font ; on the top of this piramioes, there is a faire














## Of Antiquitie

B

 Mu man wonore, that the frafe ethe frchitrauc are courreo with this table, fot that there bring marblogitug tobee fet into it, the frare



 the sme znotbecti,



## The third Booke.

The fourth Chapter. Fol. 47

T

 certaine $\mathbb{C}$ effernes, wobich ftob ta the


 Der is galfeanalue frote.

The balfe ancicuf fof.


## Of Antiquitie

I






 there are no mode then 16 . to fet $\overline{3}$ mages thercin; all the reft are buffoz foetoes, as being not oxpe innugt cut into the
 Cozintyta boozac, but now it ts fyopleo of all fichognaments.

tubground of the figure followingo



 the fozmes of them Diligentic coumferfigtte, follow hereafter.


## Of Antiquitie



 in beight. IThe Figute C. is the faric unoer the firff jiche 0 byol: tolu place.

T.

 taberedf the lalfe is bree fet ooime.


## The third Booke.

## The fourth Chapter. Fol. 49

I


 parts, ano alto the ©apitaltofthe $\mathbb{C}$ olumine, well paspostioneo in meafure, $\mathfrak{C t a n o}$ in the beginning of tbe ©







4 2

## Of Antiquitie

 from member somember, as thep are diligentligneafured; \& that not onele with foote, but ailo livith parts of minutes:



 get:) and it maybe, thattbe Looikemen in tho











 yatement, and rich of wooke. Whut thay be, that fuch as are to mach ronecited to commeno entinuitics of fĩome,


 as they frano, bat it is another thing mith Vitruwius aouire to shafe out the beft ano fageff, and to sciect the trople.







The third Booke.
The fourth Chapter, Fol. 50


## Of Antiquitie

BCutath the Clampiogito there is a Iryumphant arch, whith by fhe infeription map becomectucD to be mate in the time ai Lucius Seprimus Severus, ando onber bis name, ant bp that fobich men warke and fuffidetenty find, it is
 on tef foes, and alfo befoge ano brhino: it was meafure by the olo zomane foalme of 12 . fingers, euery finger of 4 .

 23. Walmeg, 25 . minutes. IFhe littie © bates within the





Ehe grouno ofuthe arch yryunghant of Lucius Septimus.


## The third Booke.

B


 Columirs is 2. Daimes and 30. minutes in Yiameter beneath: but abour bnoer fbe capitall, thep are 2. Waimith





IMP.CAES. LVCIO SEPTIMO.M.FIE. SEVERO. PIO, PERTINACI AVG. patri patriae parithico arabico, et parthico adiabenico PONTIF.MAX. TRIBVNIC. POTEST:XI.IMP.XI.COS. 3 . PRO.
COS.ET.IMP.CAES.M. a VRELIO.L. FIL. ANTONINO. AVG.
PIOFELICITRIBVNIC. POTEST. VI,COS, PROCOS, P, P.
OPTIMIS, FORTISSIMISQVE PRINCIPIBVS
OB REMPVBLICAM RESTITVTAM IMPEHIQ, POPVLI ROMANI PRO.
PAGATVM INSIGNIBVS VIRTVTIBVS EORVM DOMI FORISQ. S.P. Q.R.


## Of Antiquitie















 hetabt of the laft comice, is a jalme and two minutes, ano hath fuch a great paciecture, ano hanging ouct, as you fím in the figure: ano infurb place, 3 blane not the $\mathbb{C}$ anice; but affirme that it foãs maoe with great iubgement: foz that



 wodke markeo D. commeth rigit on the facte, whith gacth from © Colamne to Colamne, aboue the tho little archrs;




 3 thought geod to fet ootone, to aduertife fhemthereof that hnowit not.

The third Booke.


The fourth Chapter. Fol. 52


## Of Antiquicie
















 มี 때
 Which comesframi2, ounces to 60 minates: and this is the thiro part of the fapo ell.


The third Booke.
The fourth Chapter. Fol. $\bar{\xi} \xi$


多 2

## Of Antiquitie

T








 baue it, nuertyeleff tis mell p:opoztioned of members, ano the fame fat is not int it that is fonno in other ©ognices,





 ces of the toodo, (not oncle in Italy) but alfo in oincrs other places, tave mace ©oaniess, with utiles, ano ingranern
 comiell otbers thereentc. Itbe ©ounterbafe, onter the ©pitaph, abcue the © Galfe bigh: the teight of the yeafe thercuponte I 1. © anccs: the height ofthe © pitaph is 4. ©lics 4. Dunces: the jeight Df the $\mathbb{C}$ Oinice is pitapy, with io little panecture, fos the fairy bp bitocr it, but the ©antec whercof 3 Inillipeake, is murb too bigh, ace

 foz the nembers ought fo to be teuioso, that toe one loere plagne, ant the cther granan. fibut there arc mang moziter men, ano mof atthis dap, that, to mademen take pleafare in their bad wodatmantip, make fo many cutting in it, that






The third Booke.
The fourth Chapter.Fol. 5 年


## Of Antiquitie

B


 meanes of the ruinrs, and rifing of the earth, is neuerthelefe of great beight, and the tibates ano pallages thenghit, are yet higher then two foure fquares. Zyis grch (as is befoge fage) is pating fagze to the epe, ano wonoerfull rich al






 whole rauno wity their willars bebino them.












 diaers places of the frct).

IMP, CAES, FL. CONSTANTINO MAX. P. F. AVGVSTO, S. P, Q, R. QVOD INSTINCTV DIVINITATIS MENTIS MAGNITVDINE,CVM EXERCITV SVO TAM DE TYRANNO, QVAM DE OMNI EIVS FACTIONE, VNO TEMPO\&E IVSTIS REMPVBLICAM VETVS EST ARMIS, ARCVM TRIVMPHIS: INSIGNEM DICAVIZ.


## Of Antiquitie

I





 beighten the © clunmes,is 32. minutes bigh: the whole beight of tbis 1 Bafe of the $\mathbb{C}$ olumnes, is 53. minutes: toudjing


 other LBafs of this grch; as it is in the impoft of the miodenoil arch, marteo C. the whichimpoft is greater and of mode nembers ano parts, tuenthe great and pincipall Cognice, and is altogetber confufed inmembers, ane that which



 FBalme and 23 . minutes ano an halfegigh: the whith impoft woulo ffand much better, if the two flats betwene the aftras gall about, and the cechime bnoce, were turneo into plagnmefte onit; tohich then would ferue fos an sbacus, 0 a alfo foz
 the oppermoft $\mathbb{C} 0$ anice, is 43 minntes, which beight ffoulo bee tolittle infogreat a diffance, if it lucte not that the great jazoicture oz csallere, oz ouerhanging holpe it not; becaufe they are fecing opinaros, fromonderneath, whith Wemeth it to be much greater then it is: therefose 3 much rommend this ©anice in this refpect. Ano fruele, all the
 frome, fo that the members of the bnitoing cnjure lefte wagght: neucrtbelefte, you muft not make tyem of tomany liceno sibus paciectures: but pouthall read hereof in Vitrouius, where be entreateth of the gesoer of crownes, after the maner of Fonica ano dogica: for be bosty tbere teacty you clearclp inougho

The third Booke.


## Of Antiquitie

w


 but the ©apitals, whith are ome in bety goos modke: and in true!h, this buileing is fo banctone, aito of to



 as in angother atch that is to be fount, ano by reafon of the frength thereof, it is all shole; cmely it is onfuntifict of matrg onaments. IThis faire arth, as it is comequed, Neiva Trailanus cauted to be butocy: tobereupon, in the bigheft part of the fuch (as it is fapo) bis 3 mage tras erected, fitting c bose backe, femind to thzeaten the cloabs ano people,







 moge then two foure fquares, is not therefoze mifhapen, woben pou bebolo the fobole maffe together: the beight of the
 fis of the Colnmes, togetberwithtye Tinbreafes, are I. fate and 36. minutes: the beegt of the Columnes to the

 thallano in my fourth jibooke, in the beghning of the ozner of cointbia: the beight of the wrebitrauc is ore fote ant


 Coanice abouc it was not meariret.

Etje falte of the olo weanith foote.


Fiyegrount of tye grch fryumbant of ancouch.


The wird Booke.
plotinae avg. Conivgi avg.

The fourth Clapter. Fol. 57
DIVAE MARTIANAE AVG.SORORI,




## Of Antiquitie

I



 fhiro part bigh: the coznice of the fecetall, is 20. minutes, ane a third part high; fomuch Doeth the fome alfothole,




 Qilafter: the loibenefle of one chansll, 18 7. minutes ano a falfe: ano the 低 which parteth them, is 2. minutes and a balfe. She beight of the ©





 rice is one foite, fire minutes ano an balfe bigh: Fifhe ibafe opon it, is thittie minutes: fye fpace lobercin fyelet


 bath a foote ant I4, minutes withont the toall, in the oppermoft part; ano in the parts below, it contes out a fobt. Whe foure tables with the ©ojnices bponthens, lohich aano betwame the © Columines, are thought to be placeo there, foz bol


 ret 3bas withoreas oiligcrace reoucco them from lbe great, into a fmallfoge, ano were (as 3 faco befoze of the reff)mearareo with flye ole diomane foot.


The third Booke.
The fourth Chapter.Fol. 58


## Of Antiquitie

T











 of the Columne is $\mathbf{x}$.foote, one cunce ant 3.quarterg. Eithe betght of the capitall is 2. foct ans mic ounce. Ebe




 of tge groano foliotiong.
:

## THy halfe commotr foote.





The third Booke.
The fourth Chapter, Fol. 59

grheregreat letters bertunder, Hano in the frexe, markso Y.
SALVIA. POSTVMA. SERGI, DE SVA. PECVNIA

E. SERGIVS. C. F.

AED.II. VIR.
L.SERGIVS.L. F. LEPIDVS. AED.

TRI. MIL. LEG. XXIX.
C. SERGIV S, C. F.

AED.LIVIR. QVINQ.


## Of Antiquitie

I



 lieth anothr of much moge lyeight, but if is buber the earth: the bright of the © Cimatie turnco about abous it, woth the






 gainf the tolumne, 3 woulo th the it better to the bicw of wo:kemen; then if with the gbacus it had but the beight





 suapes beane licencloust woikemen, as there are ret in our bages, who, to pleafe the people, make nurtigrauing in









 verp well from each other, foz that betwine the two caturomembers there fanbeth one phate abous: the Coanice






The third Booke.
The fourth Chapter.Fol. 60


## Of Antiquitie

I































Fithis is the ground of the gleth folloxing.


## The third Booke. <br> The fourth Chapter.Fol. 6 i

T
 from the fiteres uptuarbs, there are ho fignes of omaments; neuertucleff, it ofo ftano fo. Ano foz that the parts


 in the zofeription, that it faith, Virsuuias Poliofbut it is poflible that it was another Vitruuius that caufe it to bemabe.


 pogtion.

## 2Thereletters are ontor the \%abere nacle in the lopeeffall:

## C. GAVIO.C.F. STRABONI.

世hefeletters arecutin theinward fioe of tic Sirch.
L.VITRVVIVS, LL.CERDO ARCHITECTVS.

Fhefe letters are alfo in fhe pacies tall of tbe Tabernacle
M. GAVIO.C.E. MACRO。



## Of Antiquitie

B
 horwe it in fuch forme that a man map conceau: the particular meafures: therefoze pou may fox them here fet out in




 top to tbe bottom. The beigbt of the ©apiail of this Columne, is one fot, 4 . ountes and an balfe: but the fomme is noi tere, becauie it is hetwe in thebeginning of the $\mathbb{D}$ zoer of Compofita: whith ©apitall, in effect, is ©ompofita, ale







 Wook: men bauc made seutirs with identiles, in moft plates of Iraly, and there rouno about, fo that now there is no quaction made thereof; buteuere man bath libertic to make that inhis wozke which be finoeth andoteth in antiquities:
 Vitruuius foz a learned architectoz, as montwokemen affirne, then (teabing Virtuulus with geo inogement) theg muff confeffe ano achnoivieoge, that they haue dome amife therein.
 the oznaments of this isauloing, aremeafures.


The thirdBooke.
The fourth Chapter. Fol. 6 zi


## Of Antiquitie

17. Ifrcina, at the ©







 pitals is I2. Pente ano I, thiro part: tijeir thicanss is 1. fot, 4. Eunces: thebright of the Capitall is I, fote, 8, ©Dum


 frall pillarg, fano, bat not muth bearing out : the wioenes of a boinotwis a. foote, 2 . Tounces : their beight is 4 , feot,

 ano a halfe: tyc leight of the Comice is 30 . 10 unces and a halfe: the Corona licis aboucthe fame © 0 gnice, is 10 . Sunc

 nefe of toe fago $\mathbb{C o l u m m e s ~ i s ~ 1 0 . ~ D u n c t s ~ a n d ~ a b a l f e : ~ t h e ~ h e i g h t ~ o f ~ t h e ~ e a p i t a l l ~ i s ~ o n e f o o t e , ~ o n e ~ © u n c e ~ a n o ~ a ~ b a l f e : ~}$ the bright of the Gechitraucis one foote ano one $\Phi$ Dunce: the betght of the Jrofe is 1 . foote, 2 . ounces: the beight of the Coznice is one foote, whereon there ffandeth fome part of the wall, but a nan cannot pereciue tobat it might be. श्यlis


 Gyon the farpe poent of the jrontifice, but fome part afioe, whict fictueth not well: and foz tyat 3 coulo hot erroure
 gercaiter 3 will fet oomne in ffigure.




Wuct this fich, on tye right hauo, thefe letters following fand.
T. FLAVIVS P.F. NORICVS, IIII. VIR. ID, V. F, BAVIA, Q. L. PRIMA SIBI, ET POLICLITO, SIVE SERVO, SIVE LIBERTO MEO, et Li CALPYRNIO VEGETO.

## The third Booke.

The fourth Chapter. Fol. 63


## Of Antiquitie

H
 propgation of the fame, but camot glue paciectly the particular parts in fo foall a forme. gir sobich members,


 are peopoztioneD actozoing to their greatneffe. sibye capitall martev E. bruing tye arcyitrane ppon it, folloinetb ops
 ther, widity fano aboue the firit Columme: tobich Coance, by the authojitie ano erample, which is be me in mane plaz ses alleogeo, the iubicious licacer mapknotw, lohether thep be ertoneous 02 gmi. gife capitall markeb $F$. is that,

 Diligence tramfogico from the great into the cmall.

[^0]


## Of Antiquitie

A
 orry bicious £ill made: ano in sturth, 3 anoe notbing that noge minitacth me, then the $\mathbb{C o m i c e}$ markeo D. in the ofber leafe, foz the realons befozeffetued :but all the reft befoge fet ootune are of good proyoztion, as well the
 Whtiles marteo H. are in the beginning of the fecono toze aboue the Frontificie: bpon which 3 mages (as 辛bauc




 one withthe ether, that the greateft gillar choulo yauchis due dibate, aino the lefler fooulo alfobauca lefe tsafe, acrozi


 ts his companidit, ano is trulg coatutbia, the forlich is confirmed to the pzincipall, foz wogze ano faftion, ano in me o
 Bicious, becaufe if bath ourly two flacics; fogif it had thex, it woulo, bp the farre difance, ifano sumbze: the ©ozs



She galic of the zammon fot.

The thirdBooke.


## Of Antiquitie

T
 VALERIVS. Q. CECILIVS. Q. SERVILIVS: P. CORNELIVS. It is tyought it was fet op in the time of Hanibal. athis is mafurco with the fame meafure that the otber is : the wiornes of cath archis II, foote: the beight


 4. ounces ane a quarter:ano the cimatte abcue it, is one ounce and an balfe. Ihat Affragall ts one ounce. The Cima: tie bute the erowne, is one ounce ano athiro part: the cromme is 3 , ounces and an balfe bigho:the Cimatie therest, is 2.










## Of Antiquitie

H
 wece mate in there dayes, and fpecialp, of Bramants fookite, although 3 baue not altogetber omitted it, bauing
 a man mag ionll fay, that be reforeo geo ano perfect grchitecture, as vet, by the meanes of Iulio P. M. nant fapze pieccs of woite were made byimin Rome, oo witneff; of the tohith, this Tet bere, is one: this is a ©allere made in Beluedere, in the tapes Court, whercin are two faye things to be deme; the one is, the frength thereof; the whith,
 are fo mang ascompagments fo bucll fet out, withgood muention, and ercellent peopogtion: tbis toozke is meafure

 parts: otber tioo parts dyall be giuct onto oue columme, that is 4 , parts: 2. parts fuall be giucm to the liftle jailaters



 lumns. Tille $\mathbb{C}$ apitall is of tbe fame thickentifeano the feumth part fos the abacus. IThe belabt of the Grchitraue,
 fozthe Arefitraue, 3 . fozthe Jfrefe, becanie tifs ongrautn, and 4 .fos the ©omice, as the balfe ©ircle of the arch is Dratone; then thebeubts of the lights will be double : aiter that, the impofis being Dzawne in their places, the tobich are



## The chird Booke.

## The fourth Chapter.Fol, 67

B

 it the Mafl of the Colamme dandeth, pzopoztiome accozoing to the great: the part B. fecterth the impoft of the


 Onbzoken; anofufferey the other parts of the Cozona to beare outwards, which is oery femelp, ano the crome tbe frems
 aents; fo: the reaching out of ©oznictsfind not alwapes toell, but infome places tocll, and in fome places ill; ato the bearings out ontolerable, fobere the columats on the foes baue no jailaffers: of tyeff bearings out, 3 will fap moze in the fourth inooke, in the handing of foure maner at simmetric of Columires:

## Of Antiquitie

1


 thia: and in trueth, foe ozoers lvere faire, woill cet out, ano placed : notwothtanoing, that the failafers cf the firf
 therefwith the wocight of the fall of the Fonica Dzoer fanding bpon it, was an occafion that it was bjoten, tuinatro ano

 fapze ano well made tbings, bufalfo to betware of ertozs, ano alwapes to confioer what weight the dettermoff foze is
 chufe thefureft way, anomake gis mogke with controeration, ano will bre counfell, yca of fuct) as arc leffe ftilfull tyen
 leoge, then be luill foame ariother mans coumfell; folicteg offentimes be decegueth ant surr-fhwtety bimfelfe; fo that












 thoach that efafe ©

 aot eafle rome to meafuse tye otber.


## Of Antiquitie

A
 ces aliwapes goe foptards, there is a going op which is berp Papze: at the teab wherof, you come to a plaine, which
 you map onderfand it. Were 3 baue kept ne account of themeafures, offring onely to frem the inuertion of
 houfe to the foalace ward: ano bebino the balfe circle, you find agrcat plapne bith fapze appertements $;$ at fobich plate,
 ges, ans ameing thereff Laocoon, Apollo, Tyber, Venus, Cleopatra, ano Hercules.


A

## B

c


I
 thereof, but outiv of the inuention: ano although that bere om evther fioe, onely oar pilafter, with gis © Columiteg, is ficlped, yet is it not onlike fome dallerirs, whereof 3 banefpokenbefoze, ano that appearcth bgibe double ©
 mane otber tbings, which 3 baue thoime, a among other things, there are monocrfull finoing betages, in the groune




 optrion,that Bramant meuse naas a farer noz coutier picte of woitse thenther


速b

## Of Antiquitie

 particular parts 3 foill raiber refrapne to fpeake, then not theto them fuficientlp, onely 3 will fpeake of a dballery, with the 变acics thercof, made by an ercellent wozaman Raphael Durbin, whohath made diuers appertements ano be; ginnings to otbst wozkes, as the Ceartill, althoughtyat it isfourefqare, vet be bad fathioned it roand, as the foumpu tion partly fhetweth. Elyat Jictibulum marked $A$, and the tho places, $B$. ans $C$. famo not in fuch fozme, but 3 baue placeo them there tofill op the groune: fas the part C. enoeth in ant hill, as alfo the pare E. but in theother five of the Galtergmarked F. there is no balfe ©ircle, ano that was left out, not to pinch fome of the appertements, but to acconto
 the mioole part is frith a rauno tribune; ano thotettoo on the cioes areeroftesifif. 3 n whicf roofe, ano alfo in the falles,
 mianthip of acchitectare, fith the beautifeing of paphting, together with diaers ancient zmages, this ©allery map well



 hut the unuention fall fuffice the wogkeman, fozthat all things are pzoppettoued accozoing to the great; ano bereatter
 \%at thert.


BB this part following, matkco B. A, you mapconceiue the roofe of the afozefayd ballery, the fayzentife ingereof


 ther iudi) bealuing of filafters into two fillars, maketh a large féng opivaros, ano fanos (neuertbelefe) in manner ano place of a firme pillar: fog the $\mathbb{B}$ afe of the fayd


 is but one joitaftcr.

The third Booke.
The fourth Chapter. Fol, 90



目 (1)

## Of Antiquitie

AShong other Citics of 3taly, Naples is ealleo, La Geatik, ant that notomelein refpect of the gicat yarosis,
 fatcle lyoules ano galaces, as any other parts of 7taly. Ano among ofber pleafant places that are suitbout tye

 lase bath a berpfaire frituation, ano is woll ocuided fos lioomes, foz that in each cozner tberecf might bee lodgea a frong sompany of men: in the miode fyere are fire great ©bambers, befoes the lioomes onder the groand, fogether


 then from thofe Clambers he napumacine allthe meafures of the refit of the builoing: which builoing the foble fing gied foz hispleafure, becaufe melt accuftomed to dioell in the edountey in the summer time. Eifbe Court of this

 place becaufocertapne feref plates to bee openco, whercbe in the twinchling of an epe, theplace was full of water,






 whith lyefent fo a friciro of his. Libut to furne agant to the parts of the faio plalace, tobich is right foure fquare, it is suithin, © Alleries rcuno about, one aboue the other: in the foure ©omers, within the thicherfe of the tualls, flano the
 mooitic ano beantiping sf the houfe, theytenlo faus well tberf.

The thirdBooke. The fourth Chapter, Fol. 7 y


 bing, that it might onely be ofeo foz a loalaing place, to belolo the countrey about.


The grcuro of the jooggio lital of jpaples.


## Of Antiquicie

C


 gou no place foe lighes with it, fortyat It is a place in the countrep, being not cumberd on the froes; it hathlight








 of the rame, thendecibe it into fonamp fut oz other meafurcs, thercby to meafure all the reff of the builoings as the


 santugolerome.


## The third Booke.

## Thefourth Chapter. Fol. $\boldsymbol{y}^{2}$

M
 fbnaghtgme, foz the bzautnefie thereof, to make it after the $\mathbb{C o z i n t b i a m a n e r . ~} 3$ will not trouble myliche ta

 inthis Factio there is na fostering at all, whereby pou map know the talleries, the fiat ano cloteo places eche from or

 lamnes mbercof tonalo be tound: the fame is to be bnoerthood to be both bethine, ano on both froes. gipermag alfo make



 Goulo make the winodiwes to bigher then the omes) there tooulo bee tomach (pace betwine the winootoes ano the


 of the mojkenant.


## Of Antiquitie

A

 thp to be fet bg things that are counteffepte ano meafurco: get that thoulo not be fapo, that thaue publibed

 ther figute follobing lop bimfet oowne intye lcafe R.3. ano noto to tarte to this gitonio, our guthop lapth, that in zrruialem (as it was tolo bim) on a bill, fbere is a bulloing cut out of a rafonable aceatnafe, in manner berenster fet

 the refe, which altogetber wetce cut cut of the rocke with infiraments. In the firt entry are foure little Chappels.
 teft ehappel is boide the lenath of a man, wherehg pou may inoge thegreatnefe of the builoing. IEfis place gath mo


$F^{\text {DItbat our\&uthoz befoegs, }}$ (ppeaketh of on grth trium yhant in Verona, calleo Dei Borfari, wopich be termeth to be barbartous ano conifurcd of parts ant membere, as (acs soozing to the fayiting of V isruxius of gmo intiquitics) in effectitis: zpexerthorefle, Poz that Iohannes Caroteus (bubich out Gutboz allebgeth) bathertit on tone fozan oznas ment of Verona, in bis bohe of antiquities, muct better, ano woith moze deliberation thervall $\frac{1}{2}$ reft of the frigures be bimanave (loz in trineth, Eref are Derpgrofe: ITbere Saze 3 thought it gmo to metu itbere to the curions zitader that te map le and alfo Hote (be Virtuuius rale alozefaito)
 map petaonenture pleafe rome of this countrey better then anotbor, bectaufit tbep bre to fakt for muth troitte in their Arcchitecture. gino foz \$t this Figure vase tm great in foume,tyerfoye 3 haue vers fet Doluine but the balle; and pou miff concceue the etfyer fioe, that is, an grch buith zoinoobess and otier dana ments, like there: ithe frot of Verona, wherbaith this buil Bing $\left\{\frac{1}{5}\right.$ meatured, Canbett bere on the ciocs in balle pise poation: of inbich froe, one fmall fandeft in the zigrozo Cul, unber soberciun the nieafurc is to be conteptro: fog the fago Ca rottus ciurs no ofter farr, rant of all bis figures (but onely of the Jfigure of the Luonercfull fipctacle, as bee tsmeth it) (with tes eytyatr abous it: but aboae allf with the goings up to the bill, tobere a Eicmple of lanus flamocth, as due tuthor fictu? thaftertbard in Folio I. 3 , in th:s paefut Lismat. Dis this bulting, Carotrus faith mose tben of all the reff: and fo:
 Derat foll, of allt tuat is fapo in this thete, thertfore 7 bane caute tbis figurcto bx piintecalonc, bectaureit twas to great, anto (iilme qpin: on) ta grofe, to fet yerche. Vale. .




## To the wel-willers of Architecture.

VItruuius fa) th, that fach as baue built without learning or inffraction (alshough noorkemen) could pener make anyf amous or commendable preces of workoo no more can others, being no workemen, fuch as haue followed the letree or writing onely, and made so proofe : of which, fonse hawe prefumed to father their doings upon Viru-: uius: yetin diuers places of their moritingi, which are found, shey could not clofe op their rules or derly, brit baue lefs maryy things dowbtfull, and (more) bawe effeemed shas to be good and commendable, which in morke is not to bee endurede I he casfe of this errour, is, thast he laft Booke of the fayd Vitruuius, wherein the Figures are, wos lof : whereby men might bawe knowne and found out his meanings: So ibat bereby is appcareth, that fome Lantiquities baue beene vet). bare in tbeir workes, and speciaily, in their Ordirs of Dorica, becaufc Vitruuius nanectino Dorica Bafes: but inflead thereof, Speaketh of an Littica, Now it may bi, regaraing that be there (peaketh not of any Order of Attica, therefore they durf not make any Dorica Bafes or. Columne's : on the contrary, othety pof silly cointenining the darkneffe of the wiri: ter, (or for mant of knsowledge) bawe fo far eexcced dd theit LiA urliorin mang things, that they hane not onely forfakes and left the examples andreafons of 3 sod Aniquition wit allo (more then that) bavie made their workes wnfeemely;
 in both, haue beene cumbred th erein, and cffcr iby in this our time. Bramant of Caftle Durant, Balthazar of Scienne, and many others, for that (not onely by me..nes of lulius the? Pope, but) alfo by others, good Architeciure was bettered in their times: who, after lorg dijfutation and fearhing of many, af well , suthors and Conmmentaries, together with the examples of good Antiquatics. balle with authority. (to make an end of all donlits) not only added this Spirs Attica, of the Dorica, but alfo as mary orders as now arc vfed, beginving at the Thufcan, as the grolfef and fenderef of allibereft, and baue redaced the fame into a certaine and common forme, togetber with their ormarnemts and meafures: whichrulis Sebaltian Serlius, a wor keman and fcholer: of the fayd Balthazar, hash written, and for out in figures; fo that, leaning she obfcurities of Vitruuius, we may make an incorrigible morke. And for that all sbofe that lowe workeman /hip, vnder find not she Italians, thercfore (in my opinion) I bawe trasflated the mofl certayne and beftrules out of Italian irito Dutch, and out of Dutch into Englifh; ontly the names of all Procels, Bafcs, Capitals, Cormices, \&oc. which are not named in Dutchnor Englifh, for that Baftian, by Vitruuius tevenes, $v$ feth the common and moderne It alian words, which by fome pould be is bardly vader food as the Latine, But I wowld commerblbim, that leeing we take upen ws to follow Vitruuius writings, that me give bim the name of Vitruuius, that the learned might bee rusder loodof the woricman, and the morkemanalfo vnderflood of the learmed, And for tbat the morkeman might the better read it, I hase printed it, in our ordinary Dutch letter. Andaltbougb this fourth Beoke of feuen was firlf fet out, becaufe it is the beff, yet the ot ber alfo are no befle fit and sonneanient to further . Architeflure or Art of Building, as in the enfuing Epifle you (ball fec.

## Sebaftian Serlius io the Reader.

LOuingand friendly Reader, after I had collected certaine rules of Architecture, thinking that not only thofe of deepe conceyt would vaderfand them, butthat alfo each indifferent man of wit might conceaue them, as he is more or leffe addiçed to fuch an Art, which rules are deuided into feuen Books, as hereunder fhall be fet downe: but for that this Art requireth it, therefore It thought it requifite to begin with this fourth Booke, and to fet it out, firft, which is more to the purpofe, and mure neceffary then the teft, for the knowledge of many forts of Building and ornaments thereof, to the end that euery one may hauefome knowledge of this Art, the which is nu leffe pleaing to the mind of thofe workmen that thinke vpon things thar are to make, thenallo to mens eyes when they are made. Which Art, by the wifedome of the famous and excellent fpirits that are now in the world, doth flourifh in thefe dayes, as the Latine tongue did in the time of Iulius Cefar, and Cicero. Then with glad and ioyfull heart receyue at leaft my good will, (thougb the effect enfueth not) which, in trueth, I haue (to pleafure and fatisfie your minds) in this refpect.

Inthe firft Booke, I will entreat of the beginning of Geomerry, and of diuers cuttings throughoflines; in fuch fort, that the workman may yeeld reafon for that he worketh.

In the fecond Booke, I will Thew in Figure, and by reafon, as much of Perfpectiue Art, that if the workeman will, he may declare his conceyt or purpole, by reafons and figure.

In the third Booke, workmen fhall ree the Ichnographie, that is, the ground : the Orthographie, that is, the rayling vp of a Building before. TheScenographie or Sciographie, that is, the infight, by fhortening of the moft part of the Buildings thatare in Rome, Italie, \&c. diligently meafured, and fet by them in writing, with the places where they are, and their names.

In the fourth, which is this, I will fpeake of fiue maner of Buildings, and of theit ornaments, as Thuffcana, Dorica, Ionica, Corinthia and Compofita, that isto Cay, mingled. And by thefe, the whole Arte is learned.

In the fift, I will feake of diuers kinds of Temples, fet downe in diuers formes, that is, round, foure-fquare,fix-cornerd,eyght-cornerd, Ouall-wife, and croffe-wile, with their ground, heights and hortenings, diligently meafured.

In the fixt, I will fpeakeof all dwellings, which, at this day, may bee ved, beginningat the meaner houle or cottage, and fo from degree to degree, proceeding to the moft rich, fayre and princely Palaces, as wellin Countrie villages, as ingreat Cities or Townes.

In the feuenth and laft, hall be fer downe many accidents, which may happen to workemen in diuers places, ftrange maner of fituation, repayring of decayed houles, and how we fhould helpe our felues with pieces of other buildings, with fuch things as are to be vfed, and at other times haue ftood in worke.

Now then, to proceed readily herein, I will begin with the greateft and rulticke order of Building, that is, the Thulcan, being the playneft, rudeft, and ftrongeft, and of leaft grace and feemelineffe.

## The Author to the Reader.

T(1) accezoing to their natures, Irength oz wrakrueff; fo is thc fomme alleo Dozica afcribed to thegods, Iupiter, Mars, and ballant Hercules, taking fuch fornes fromiftory mell. The iomme calle gantica, is aftribco to the goodecte Diana, A pollo ano Bacchus, as of the nature of wiffoas, flyatit, of wife enfible tremen, which are betb fenocr






 pifons, lauens of the 9 ca , and fuch like things, feraing foz the foarres. It istrue, that tullicteano plagne mozke,
 fure tobith fye stonf-cutters take therrin, arefonetimes mired witly


 info mang rich ano fayze







 subcremromethereis commendable.













 Chapter of ©


Fiue maner of Buildings.


#   <br> Of the order and maner of Thufcan workes, and the Ornaments thereof. 

## The fift Chapter.

I$N$ Vitruuius fourth Booke and fexenth Chapter wo fird, that a mav hould make a Thuf can Colsumne of femenparts bigh, wish Capitall and Bafe, which mecafure faveld be taken from the ibickneffe of the Columne below. The height of the Bafes or Baf ement, (bould be the balfo of the thickneffe of the Columne, which brall bee deuided into two equall parts, whercof one (hall be tbe Plinthus, the other dicuided in three, two parts there of flall bee the T horus, the third the Cincta. The Proiecture you (ball wake in this mancr: Fivft, make a Circle as great as the Columne is thiskc below, placing it in a fouref quare: wuthout the fourefquare draw anotber Circle, clofe about the corners of the fourefquare, which (hall bee the Proiecture. And althoush all other Bafes base their Plinthus fosref quare, yet this of $\mathbb{Y}$ buf. can mall be round, as Vitruvius teacheth. The beight of the Capitall maft bee like the Bafe : that deuide viso three parts: one pars hall be the Abacus: the cther Ball be dewidedin foure parts, thrce for the Echino, the fourthfor the Lamulo or Cintho, which may becalled, wGirdie, Band, ar Liftn Englifh. The thirdpart refling, (ball bee for the Hypotrachelium, or Freefe. The Altragall with the Concia, is half e the Frecfe; but that deaided in three, two fhall be for the Round, the thard his Lif, the becining out myj bee as the height: and alifough this Lifl is bere named with tbe Capitall, yet it is a part of the Columne, which Columne ought to be made thinner aboue a fourth part; alfo the Capjtall in the vppermofi part fall not be greater then the Columne below. The maner to leffer the Columne is thus: Let the body of the Columme be diuided in three parts: the third part below |hall hang at the leade, and the other two third parts you Sall deusde into as many equall parts as you woill: ther at the third part of the columne draw halfe a circle, and from the lises that hang there, from the outterwof corners of the Capitall invards, meaf are the eyght part, which in ath Sall be a fourt b pars: fromz vender the corner (where the Columne is thime eff) you fhall draw two lines by a leade, to the balfe circle, and thof eparts of the circlc outwards, you fhall fee below, in as many euen parts as the two third parts of tbo Columne holdact b: which being dore on both fides, thern there fallbe as many Paralels or croffe lines, dranvenfrom the one poynt of the haffe circle to the oiber, each line being marked witb number, from the top downewards, and the like upon the lynes that deuide tbe Columnes; which numbers being orderly plased, then it is cert ayne, that the firff line fhall agree witb the thinnefipart of the Columne aboue: after, take the fecond line of the balfe circle, and fet it wpon the fecond line of the Columne, then tte third upen the third, and the fourth vpon the fourtb: wben that is done, there maff be a lyne dranne from the Bafe of the kalfe circle, to the lyne 4. and from the lyne 4.00 the lyne 3. and from the line 3 . to the lyne 2. and from the line 2, to the lyne I, alfo a lyne: and Jo from the fecond fide of the columne: and althougb that the lynes in tbem felwes are right, yet they make a crooked lyne, wbicb tbe iudicious workemanknoweth bow to regeire and woderate at bis will on ailfides in the gathering of the lynes. And altbough tbis rulle is made for the Thufran Columne, swhicb is lef ned aboue a fourth part, yee it may ferne for all fort sof columnes; and the more tbe dewiding of sbe Colimnnes and tbe balfe circle are in number, $S$ o much bhe lefering will dimymifh.


## Of the Thufcana

T


 the fame being veuided in foure patts, one part hiall be fog the cimatie, two parts fos the eogenaz anto-the laff foz








 thewing grcator.

The fourth Booke:

 can Coiumne (accopoingto Visruaus rule) : oust to be aficum Diameters
 propoztion is appzeued goo ; neuertyelefe; for that the firf coluantes (as you baue bcaro in mp (mall tyb mae) were mades in Are parts, taking the nicarure fiom mens saxt, subich is the firt part of the fame: Rine alfo; Coz that \& Columnes ralleo ゆaita, arceriow of fiuen parts, the andient topzimien baning anotbicr part onto them, to beixhben them, tyerefoze, in mite option, tip the fame authes ritie, fos that the EWbrran Colamme is frond ger ther fige other, wiuage; it might be made lotwer then the 0 Dica; ano, bymp abuice, be
 pitals, this rou maxp boie foz, acommerif rale. Ant, foz that neither Vitruuius, noz any os ther comkemant that 3 baue fane, baue ret
 and in Intiquitick, as far as 3 canfé, were by fuelkemen made, as noceuitie required'; lubether it forre for raperiig of ©olumies, oz to a going op moity fapers, to Gallerics, oz byany other occafions: Eyctefage, not bes ing copeciles tyercunto, $\mathbf{z}$ am of opinion, that ruery luozteman flypulo to eary hirio of ©o lunite fet a conuenient and famely peedes tall, as reafon requircth, ans as beefeetty: cauife. It is certame ant foell hnownic, that fle perdetall at leaft mulf bee fouref(gnare; that is, the boog thricop , loithout tibare dy
 tye bef of all, the pevelfall thereaf ought to. be a perfect fourcfquare: the fopepart thereos ougbt to be as bzoad as tbe jolinthus of the 25 afe of tor columine: the geight favalo bee. ofenided into foure parts, one parit wobereof

 So ther, if the Columme bre of are parts, the Stilobato or fereeltallit hall bee of fite parts alfo in it celfe, accopoing to the peoppotion of tof © Cllumite.

Thefift Chapter. Fol, 5


## Of the Thufcana

1









 the thiro part of the light, and the brielut, with ©apitalg and yarrs. IThe beigge of the Hares fall be a third part of tbe








## The fourth Bỏoke.

The fift Chapter. Fol, 6

APRo for that the tooskeman ought to be coptors of inuentions, fo pleafe bimiclfe ano others, the Eate of the eity, GLowne, oz Foytecte, mar be fet out in this maner, obleraing this rate: that fo boad as the going thzough of the (ffate is, the lyeight fall be as much, amb halfe as wuth agapre, that is, 2 . patis in bzeoth, ano 3 . parts in beingt:





 make the ©


 firsuger tyee are fas fasticieation.


## Of the Thufcana

A

 Ffacie, follich beareth op the roofe: and frem the jfacie optwares, as mach bigher as the balfe circle; yet alfoapes

 the wall ghall be left betmáne the great ©ate ane the tho fmall: lobich beight foall be osubled with the bzeth, ane the

 mifhontaltering themfrom the Jfigare.


## The fourth Booke.

## The fifichapter. Fol. $\%$

D






 fromfuch furpicion, ano it will alo be a great ffrengthening to flye wozke. Shelite cinuention Raphael Durbin bred




## Of the Thufcana

A
 fre bercundur, wherewith a wobbeman map ycipe bimfelfe in many things, as netemitic requiteth : the meafure Iball be, that tor light fluall be a periect fourciquare, and the wall betwéne both, thall be a fourth part fiffe. githat
 the © enter in burquall numbers : ano aboue the ©upercilic quall be lapo an balfe eircle, dentosdinnine equall parts,



 old, yet tis is onte frong:


The fourth Booke.
 fage theough ferues not foz artillerie, oz other great pzeparation foz foars; nivertheleffe, this part may well cerue






 part broad.


## Of the Thufcana


煺atefall be a fourtb part, ano the capitall a tbio part, ano io great the capitall op impof onter the frrb mall bee.
 folloloing the rule aforefagy : the ref mag bes fomit withtye Compati


## The fourth Booke.

 The fift Chapter.Fol, 9A
 wopke, amo ancient, at fought giod to fetit bere, the which, informer time, was in home; En Capo de la militia Twaiana, altyough be the ofcayes fhercof, noto wof to bee fane: tbe two giches os leates that flano bp it on the
 3 will fet iolune no meafne, fos it is bere eatie to be found.


## Of the Thufcana

T









## The fourth Booke.

## The fift Chapter. Fol, io

 but if is to ctrour, if a manmire one of them in a piece af rube booste, heloing in ihe fame, nature ano grte, foz that the ©olthimes miceo with roand the tobabe of nature: but the Capitals, ano part of the Coldamies, as alfo the $\mathbb{C o m i c r}$, with the frontificic os © $\mathbb{C B}$ uell, (heto ivozks of Gtt.

 the fame in funoze piaces, as alto Mantua, ano withouthome, the fagze yalace calleb valgariter El. Te. ©aibich, in trueth, is an erample in thefe bayes, both oi gooo atchitecture ano paynting. Fhe propaztion of this ©ate is to bie








 erpecialle the fortes that bito the Colinnmes anto affo the Pasmiants.

Of the Thưcana


## The fourth Booke.

The fift Chapter. Fol, ii


 Halfe as muchas in beight: the balfe circle is orntoce into 9 , parts ano an halfe; becaufe tbe midolemodftome is one








## Of the Thufcana

FD2 that plenfarc is fometimes tarneo into beautifying, ano fometimes to oanaments furpalfing necellitic, to fheto









 siznt majkemen.


## The fourth Booke:





 be bery chargesble, thereine to maks it milpout binoing of irandares, it woulo mot be fure: bat itis lefe to befeare







13


## Of the Thufcaria

A







 \{obereurto thig wozke belangeth, to carry the wayght foz frengthening thereaf: ant mere there not fomuch rieco af light, fome of them might be filles op luith 通sicke. Ethe pzopostion thall bse this; that the fpace of the lights ano the

 arcin tyef Dacesmade, ano fronger. ztyecrample whecefis at 9 . Cofmas ano Damisinusi


## Of the Thufcanat






 to tye wojkenan fos togrighten as makebsoce, as occafonferuety.


The fourth Booke.
The fift Chapter. Fol 1 is

F



 ant ooubt, willbe bere ffrong: and thebeanier the waightis aboue, the longer it lewll laf.


## Of the Thufcana

A
 crs in palaces anv common boures to make fire in, yet men find in olos builoings fome fbeto of Chimreqes, to




 other ructicall woske, made within the wall.


The fourth Booke.
The fifi Clapter.Fol, is
 postiminuly masc.

 crofes in them.


 Fignte is tove lane.




 the ojder of impica:

## The maner of Dorica, and the Ornaments thereof.

## The fixt Chapter.

THe Ancients (as we haue heard) confidering the flate of their gods, ordained Dorica worke, and dedicated the fame to Jupiter, CMars, and Hercules; but we build Temples, and dedicate them to Chrijt, Paul, Gregory, and fuch holy perfonages, that were not onely profeffed Souldeers, but alfo valiantly and boldly loft their liues, and hhed their bloud for the faith of CHRIS T. All fuch belong to Dorica, and not to their gods onely, but to men of armes, and frong perfonages, being of qualitie more or leffe: for whom, if a workeman make or build houfes or palaces, they mult be Dorica: and the nobler the man is for whom fuch worke is done, the ftronger and flatelyer they ought to be; and the more effeminate that they are, the more flenderer and pleafanter the building thall be, as I will hew when time feructh. But now we will come to the manerof the worke, Vitruuius ipeaketh of this Dorica worke, in his fourth Booke and third Chapter : but touching Bafes of Columnes, hee fpeakech thereof in his third Booke; although fome are of opinion, that he fpeaketh \& meaneth of the Bafes of Corinthia, for that they haue bene much vfed on the Corinthia Columnes, and Ionica; And forme alfo thinke, that Dorica Columnes had no Bafes, hauing refpect to many ancient buildings; as the Theater of cMarcellths, one of the fayreft workes in Italy, being the middle downewards Dorica: which Columnes had no Bafes, the body of the Columnes refting vpona ftep, without any other fupport. There is at Carcer Tniliano the fignes of a Doricall Temple, the Columnes whereof are without Bafes. You may allofee in Verona an Arch tryumphant, of Dorica warke, where the Columnes are without Bafes. Neucrtheleffe, for that workemen haue in former times made the Corinthia Bafes in another maner, as I will fhew hereatrer : Therefore I affirme, that the Bafes Atticurga, which Vitrusuius, in his third Booke, fo nameth, are the Dorica Bafes: and this weefee, Bramant hath oblerued in his Buildings which he made in Rome : which Bramast, being the light and Inventor of good and true Architecture, which from Antiquitie to histime (being vnder Pope Tulius the fecond) had beene hidden, we ought to beleeue. Then this $\mathrm{Bafe}^{2}$ of Dorica fhall be the height of halfe the thickneffe of a Columne: the Plinthus the third part of his height: of the reft there fhalbe foure parts made; cne fhall be for the Thorus abouesthe other three fhall be fet in 3 . cuen parts: the ons for the Thorus aboue, the fecond for the Trochile or Scotia: but the fame being deuided in feuen parts, one part fhall be the vppermoft lift, and another the vadermoft. TheProiecure or bearing out of the Bafe, thall be of halfe the height, and fo fhall the Plinthus of each Facie hold a thickneffe and a halfe of the Columnes. And if the Bafe ftaredeth below our fight, the corner vnder the vppermoft Thorus, (being of it felfe darkened) ought to bee fome what lower then the other. But if the Bale flandeth aboue our fight, the corner aboue thenethermoft Thorus (alfo of it felfe darkened) (hall be greater then the other. Thereto aho the Scotia, darkened by the Thorus, in fuch cale fhalbe made more then the meafure appoynted. And in fuch cafes the worke man muft be iudicions and wary ${ }_{2}$ as ritruuins would hauc him to bee learned in the Marthematicall fcience, that doth ftudy his Booke.



A

 bodie of the © olumne is 12 . models: and tbe Capitail one modell, whith is 14 . mooels in all: whe height of the

 Whall bee in thictencte the art part Icte then the Colamme beloin. The baedth of the capitall in the bppermole


 ter acferibeo, f03 that Vitriuuius doeth it to bieftip.




 tainerales, better, ano mase affily fog fielo.


## Of the Dorica

V









 unto, placing furb things round about thsir It mples foz onaments. Whã̃ the Irtigliphs, poa maff place their capitals:






 Sorima maft be like the beight tyereof: euen fo, cach pare of the beariing out of tbe © ozona fhail baue thcir lizoiccture





##  <br> Of the Dorica

F


 gence rebuce intormall fome. Ithe capitall $R$, was foumo bithout Rome opon a $\Sigma_{5}$ loge, tanoing oner $T$ -
 ple, falled At carcer Tulliano, 晋hat Capitall P. wns found in Pefaro, loith diners other cominenbable antiqnities:






The fourth Booke.
The fixt Chapter, Fol. \&


E 2

## Of the Dorica

T



 ber will nof malke the whole: but, as ${ }^{3}$ conceaut, if you fet 42. as pou map fá ant recton in this figurs follosming,


 the paimcipall of the TEmples be ocuibeo into 27 , parts, the © inter-Columites thall be of 8 . \$povels, that is, the thichnefe of 4 . ©olumnes, ano the inter Columnes befibes, faibe each of 5 . Mpocels ant an haffe, that is, tivo ano a quarter, ano a quater ano yalfe: and fo fuall the 27. bredifributed.








 to the rofeof the fame bnoce A. mufl be dexices into thaie parts and an balfe, ano theo parts f:all be foz the heigbt of
 cular meafures, zwull make itnoze greater and perfecter in toc nert teafe.

The fourth Booke,
The fixt Chapter. $\mathrm{Fol}_{6} 19$


## Of the Dorica

H
 the light, which beight beimg Denioeo in 12. onc part fhall be the bzeoth of the gntipagmentum de piaitafer, and















## 







A
 fiffeth Ho grat matter, $\$$ thinke it not amilfe tobelpe him alittie in this matter touching oooges, wherem confitet





 bototheq Call Cambinthe libuiloingalogefago.


## Of the Dorica

F


 ogber, then be map obferue this ogocr ano meafure bereafter folloming, whereof the light ap that tobich is opeh,

 nagmentum, alibough in the ©


 tum, thatis, the eapercilium, the ©omice fhall be fet of the fame hetght that the \$aperciliam tes anp ball bee dexioco in 3. enen parts: the firff, fos the eimatic with the giragall: the fexono, foz the cozona, mitibger cimatis: ant the



The fourth Booke,
The fist Chapter.Fol 21


## Of the Dorica

A

 but alfo of Diucts foits ano faffions, to beaunife a picce of loozke, ano to plrafe diures minos: Ehercfoge, when aman mill make handicme ©ate, be map follown this Jigurs: that is, to fet tbebecoth of the mowe twice in the

 part is made op intbe wall: alo fome Entiquitics ofe it, iphith in fuch rafes arz not ouercariong, elpon the edumes


 followthe rule afozerago. folo, foz that fome ffatigies, frontificies, ©ouerings ano (ixucls, are bigher tben Viexu-
 B. in 2, parts, and the halfe thall bang Downitwaros, fraggbt be the 建ead to C. and tien the one fat of the Compalis



Gille fourth part of the cirde:


The fourth Booke,
The fixt Chapter.Fol, 2


## Of the Dorica

A


















The fourth Booke.
The fixt Chapter. Folas


## Of the Dorica

A
 ties, ripesially, when thepare madebe rule and reafon, altyough the columne, freef ano otice memberg are



 bercin, foz me thintes there confifublittle hetcing and there is inough faga as before.


## The fourth Books.

The fixt Chapter, Fol. 24.

M



 ground, thep are commenbable ; pet offentimes it falleth gut, that men baue not their eolumines thiske ineugh, noz

 the Grch, fualbe a 12 . part of the wioeneffe: the Columne as tbicte againe: the interecolumme balfe the mideneffe of

 the ©pifiliumis balfe a Columne thicke: the Trigliph of the fane becoth, ano troice fo bigh withthe ©apitall. Eys. Erigliphes place as yonfe them, the cozemano the reff of the menders halbe made as to befoze thetone, IThe beight





## Of the Dorica

T



 a



 thiche, ano in the Coancrs flall fano the fourth part of a Columue: tue wings an the fioes, whercin the firits are,








 phic af grouno, foe moze light to the theater.

The fourth Booke.
The fixt Chapter. Fol. 25


## Of the Dorica

A





 buouloftrpafic the reunoneffe o? boep of the Colammes: therefoese intero, to mate feme thoufes ano other \&builoings

















The fixt Chapter. Fol a


## Of the Dorica

A

 poufe in the groand. Rind foz that the colames cannot ppholo the fioes, alteapes giuing out, therefoze abour

 Thall be 4. © times their tbickenctic. githe ©pitailum thall bee thze fare parts of a columme thicke: aboue the iobith, there
 mice of the geight of the expifilium. Wetwoine both the grehes there fhall be the maner of a twinpoto made, the toides




 tight of the spintoimes ftrall bre in beraeth two Columnes in tbitancte: but theie tbicknetes afojefapo, in there tafes,







 What mired) pou thall fino further fatifartion in the sonica ano $\mathbb{C o z i n t h i a}$.






## Of the Dorica

F
 arches bpon rourd ©olumnes, veia man mad make fearcfquare jailhars bnoer tbem icith wafes ano eapitals,























 cemarg to place there Xron banos in it, of at leaf, ouer fye ©allerg, as is faugbt befoge.


# The fourth Booke: 

The fixt Chapter. Fol. 28




## Of the Dorica

1



 the halfe, the cound Columnes alfo as nath : the height of the arch fhalbe of one 4 , \{quare, and twe 3 . parts : pou may









 Coznice bsareth: the ref mult be druiced in 5 , parts, ene part fhall be the Grchitraue, frecre, ano coente, (which, as be











## Of the Dorica

T
 84.parts, and one of thefe parts fall be foz a columne: the mibolemoff inter: cclamme fhall be of 6 .parts, ano the ofther eact) of 3. parts: the windotres thall bs of a columie ane an balfe: the height of them, tho 4. (guarss

 5. Colummes inibe, that the ©olummes map yauc a falf founoation: tbe beigbt of this ©Bate is a 4.fquare, ano of tivo
 be aboue the fatie, fhall be 2. Columnes thithe. gno altbough that all etber fopirs os builoings, being one f02v as boue another, cooulo alioapes bee fogtento a fourthpart : pet in this cafe, (by mp aoutce) fog that the compartticn of the colmines, being aboue this ruftirke bojke, and tbat the rough woghe bouto not take too mach place when it is of faficient frength, itis requifite that it thoulo bee of toe fanse height. Ruoue the firlf ozoer, as poulhall make a pootum of a colnmne $\ddagger$ an balfe bigh, Luherson pou muff fet the columnes in oider (as it is taugbt) theteigbt




 pany the rame epes. Gno althnugh there reff particular parts, pou thall aimaves febe them foikaro, tobpre you Jall
 but the winoovess às bzoad as the louref, as alfo their heiglit 6 , and allother thugs, pou map rafly fino boith the comu
 mozkeman map aboe ant oinuinith at bis pleafure.

The fourth Booke.
The fixt Chapter, Fol. 30


## Of the Dorica

B
 Lut fog that infurt tooghs men woulo willingly hane fome places bearing out, tobich are, fog the mofe part, made or

 rings Di intteings out fecuc weil, and pet neuertheieffe, are uniémelp things, ano baue no other fappozters but the


 Fo thicke, that it mat fand fo farre ont as tye flat of the bearing ouf requireth, as may bee percepuen in the round: and foz that the mbolemolu wallifanocth oat mode then the foss, if you boilluot make it fo thitke, then you mav made a
 bnoerteod aboue the facies of tye rufficall mogke: which being made, then fhe compartement of the jfacies thall bee






 maibe. Chefe omaments, together Loith many other things, if aman, in regarb of coff, will not make them of aharble,





## The fourth Booke.

The fixt Chapter, Fologt


## Of the Dorica

A



 within the thichnefte of the wall, ano the heigbt of the opening being made, accozomg to fye fituation of fbe place, fhall



 their fourciquare of the bacotb of the gectitraue, but yet the sigethopes as fpaces betwirt the qyagoilions,

 in twoparts, one part Dhall be foz the tozona; of the other you mufit make thie parts, one foz the cimeatiebith the elif.






The founti Booke,
The Gixt Chapter. ${ }^{\circ} \mathrm{OH}_{2} \mathrm{y}_{2}$


## Of the Dorica

T
 the fituaticin, is appognten, the fame beight, from the groumo op to the architraue, flall be afuideo in 4 . part , ons


 the baedthe of there 细odigliens brocmeath thr fourth part, that the foote of them mag give outa fourtif part, fo that





 the ninth part of that beight, the ©apitall of balfe the bzedth: and thus it mill bec mo:e fecmelg in anmoiferent meate
 neyes, but they proue to great:

The end of the Dorica order : and here followeth the Ionica.

The fourth Booke.

,

## Of the order of Ionica, and the Ornaments thereof. <br> The feuenth Chapter.



Itruuits fpeakech of Ionica, in his fourth Booke and r. Chapter: and as I alfo raid, the ancient Pagans soke this kind of work from women, and ascribed it to Diaea, Apollo, \& Bacchus, \&c. But we that are Christians, having a Temple to make of this worke, we will dedicate is to foch Saints as are of nature,eyther weake or ftrong : fo likewife, common works are fit for peaceable people, men, neyther great workemen, nor all too fimple in workemanflip: and tach workemen are fitteft for fuch worke. Now let vs come to the meafures ; the lonica Columne, by a common rule, mut be of 8. parts, with Capitall and Bale: although that Vitruusius fayth, it mut be of 8. parts and an halfe; fo may men fometimes make it of 9 . parts and more, as forme indifferent workmen have affirmed. But this, I fay, hall be made of 8. parts, which mut hold his thickneffe below, and fo hall their Bales be of halle the fame thickens, which Vitruuius fetteth downed diligently, in the 3. Booke,and in the third Chapter of the fame Booke, in this maner, that the Bale aforefayd, mut be of halfe the Columnes thickeneffe, but the Plinthus mut bs of the third part thereof: which Plinthus taken of, you foal make fewen parts of the reft; whereof three fall be for the Thous, and fore shall bee for the two Scoties or Prochiles, with their Aftragals and Lifts, fo that each Trochile nut have his Âfragall. The Aftragall final be the eyght part of the Trochile, the Lifts halfe the Aftragals. Although each Scotie with the Appendances are all of one height, yet the vndermoft fhalbe greater; for it fhall hoot out underneath, to the outtermolt part of the Plinthus. The Proiecture on eyther ide, hall be one eyght part, and one fixt part so that the Plinthus on eyther fide Shall be one fourth part, and one eyght part more then the thickeneffe of the Columnes. Now, for that the Cincte or Lift is fupprefled by the greatnes of the Thorns I am perfwa ded that it ought to be made the hale greater then the other. Obferue in all the members and parts with diferetion, as Should be veld in the Dorica.


 gent of expert footmen, that bate oftentimes difpnted the fame, with reucrence, ane much reflect of fact




## The fourth Booke.

## Thefeuenth Chapter. Fol, 34

 alfo be deuide into fite parts: one fog the Gitragall, onc balfe foe the ©intye, ano the bndermoffalio the líte: the reff is pos the geoticcomming at onocmeath, as is befoyedlcageo:


T
 part of é $\mathfrak{a b a c u s ~ t h e ~ b a c o t b ~ o f ~ a ~ c o l u m m e ~ i n ~ t h i c k n e s : ~ t o ~ i t ~ a l i o ~ m u f t ~ b e ~ a o o e d ~ t h e ~ 1 8 . ~ p a r t , ~ w h i c h ~ i n t b e ~ w h o l e , ~}$ Tall beninetcene parts, but intwares a part ane a batfe: at eviber eno tbe lime eatbeta mult be Datme, which thatl containe 9.parts andan balfe, which is the halfe betoti) of the Capitall: one part ano a balfe flalbe fez the eabacus;

 fass pour cpes the nanbers, terfose in the weafe following, 3 will focw if better ingreat, ano theretwithail the maner


 Chapter.


## Of the Ionica

W


 fo in all, then make eegbt, as is befoze fago: the ege fall be Deuibed in fre parts, and the numbers fet therein, as it is bers fet Dolone; then place one fogte of the ©ompas opon the pognt $I$. ano the other fat onber the gbatus, ozalu,

 ing the otfer fote to 3. Diaining it then Dotmetwares againe to tye extbeta: treping tbat foote there alfo, bing the ow
 fo Djatoing about, ooe likecuife to 6 . ano then it comes to font with the eve; there pous map make a roofe, if you pleafe.



 Cometimes to make a thinme Columne to theto thithe, thenthere mult bes 28, frickes: the gbacus of this Capitall is as bzoav on fbe fiees, as befoze: which fies are pzopoztionce atcozoing to that, fobich is fapo before. Frienolp tieas Ber, 3 bauc lapoteis tholute, accozoing to me fmple onderfansing, becaufe Vieruuius witing is baro to onberffand,
 is not to bee feand.

## S. Serlii vpon the fpeachaforefayd.

L


 greatreffe, then it nuft be made of a the part of the eve: bat if tge capitall be cmall, then it mulf bee the balfe of the


 neath optuaros to the Catlecta.


 functe, beareth fact foap among common trojecmeti, that ondertiano nof themfelucg, it is thought, that Virrusius
 affirme; that it wass toobaro a mattet foz bim to plare them in figures; which 3 ran jaroly inoge to beethe mino of fuct)
 there at large fet out, and be being oucrerarefulliniching onto it, was robbed thereof, among ofber sichesanotra,
 is efpecialle to belantcnted, fosthat men be the face

The fourth Booke.
The feuenth Chapter. Foll. 35


## Of the Ionica.

1

 Ifanbetb ref inthe Elycater of Marcellus, sohercor 3 will tet dotune fome gencral meafures : tbe fozejead of this ghar

 ©apitall to bs but barely fet foozth, thep haue aodet the frex fe micty pou fá in the ©apitall, buto it, making the beight
 wity others of thelike.


ATR foz that it may fometimes bappen to the foozkeman, fo make alfourciquare foutting fwith Jonics $\mathbb{C}$ apitals, fo that fome foozemen haue erreo in placing of the gilutes; to belpe de safe gou of that errour, it thalbe méofull ta
 taufe mang to fuog, mbere it was made, in fuch manet, foz it \{nas ralieo, dhe confufe capitall: but at laft, after leng
 if the woskeman baue fat $\mathbb{C o l u m m e s}$ to place againft the wall, in this $\mathbb{C o z n e r}$, that the tolutes mat tome alike ons both ibers, the fagheman mag place fbem, as in thzaromo B. is fet ootune.


T
 hale of the colume bentath: if it be of 15 . to 20. fote bigh then it falbe ocuidea in 13, parts: ome thalbe the







 be fomctobat to cut os graus in it, then it mulf be mate a fourth partbigher ther the gachitrauc: butif it be made plapne,



 of the EDentile.





## Of the Ionica



FST tlat the fogets of Rome diffic 1 from the lwiting of Vitruuius, 3 will frame another colimme, wolercof the grchitraue, Jrofe ano comice, (fall be the fourt) part of the height of the Columme: wotich 4 . part beatoro in 10. parts; tyze glall be foz the Grchitrave, Deuioco after the rulcaforefagu: 3, fos the frede, ano 4. for the © Toanices: sobith 4 . Thall bee des nioco in $\sigma$, mbereof one thall be giuen to tge enenticules, one to the ©imatie whith bpholocth the \$putiles, and two to the signtiles ano the Cozona;the reft to the 5cima. ghe gionecture of all, ftall beat leaff as mucl as tbe betght: opon fucha $\mathbb{C o g n t i c e ~ w a s ~ P o u n o ~} \mathfrak{L o g i t}$. ten, A Sante Sabina, at Rome, in a builoing of the ozoer of gonica.

APeo if fometimes it be necetrary to rapie op $\mathbb{C o l u m}$ tres, being not coms pelled oz pinibeo by ang thing therea
 flall be thus; it flall be as bzoad before as the glintbus of the Columme: but the beight of the flat of the fococtall dualbe a foureiquare, and a foutth part: which orutues in uxe parts, ome foall be foz the $\mathbb{1 B}$ afe, ano one foz the Coznice, whith in all is evght patts: fo dall the

 froo in common, that it is left at the Difcetion of the wobtarman.

## The feuenth Chapter, Fol. 37

B

 Coznice, frafe, ano grchittaue markeo T, is in the Etheater of Marcellus, in the fonica ozoer, aboue the $\$ \mathrm{D}$ ozica;



 faio of the meafures hereot, foz 3 bauc Diligently reouces them from thegreat into the [mall : Lohicg meafares are zaffe ts be found with the $\mathbb{C}$ ompafta


## Of the Ionica

A



 the Cosena was berp high, as alfo of tue Sexica. Whe there followeth preamother crrour, viz. makng the Bate oz beaze 5. parts bigh, fetting (h): parts thereaf beloto, as Vieruuius faith, alfo Istened in the vpper part, like the wopica: ther










The Tranflator.

 sonio be ocrioco into tios parts and a balfe, and the wioneffe tbereof, to baue one part ano a balfe: St may be (as it is in other plates) that the place is falfied ; and it mady alfo be, that it is a quarter to much: fos if it be made of 10 . :m beight, ano 5 , in becoth, the ligbt then being of 2 . iourefquares, waulo bee reafonable, fo the 3 ntercolumnes were as




## The fourth Booke.,

## The Feuenth Chapter. Fol 38

I


 part higherthen the superilum: Dut if pou leaue it plaine, it mat be a fourth patilefe. EThe ©ogona, with the other
 be bgoad chose, like the patater, but in the nether part, like thebeight of the bamging light, flalbe lefifneda fourth part,
 bisbcight inade in this maner; with a Compate poumuff teach the two cazners of tye sacima in the oppermof parf, ano one foot of the compafe furbing to the point of the croft, (bith the offer foot, the part of the © ircle beimg basume,
 alwayes referrco to the pleaiure of the woskeman; it mag alfo ferue foe winoowes.


## Of the Ionica

TThe light of the doate following, is moze then of oouble popostion, viz. of two fourefquares and aquattre the fiat


 foge frueth, foz that the 2. thiro parts Ifano onely faithort tha wall, bearing no other waight then the frontifpicium:

 Fráfe fiall be cut, ano fhall be maoe bigber, as is jefoze: if it benot crt, pou mavirfen it fo much lower: the coanice thall bs yigher, like the epintinm ge Architraue: with the ot ber parts youmuft banole, as it is faio in the beginning

 oz loto ans need fall require ; as [ometimes of a fourefquare, 03 of tho thtro pats: but if the toopkeman bee not othermife empelico, Thoulo beff contmeno the pouble pzopoztion, that is, of twofonefquare.

The fourth Booke.
The feuenth Chapter. Folug

## Of the Ionica

A



 gets houte; th wotebplates it is tolerable. 佔ut in what place focuer a man will make it, in a maner of bearing oucr, then the pappoetion of this woje fhall be thus; the light op to the arch fhalbe two foureiquares, ano the filafter the 8. part of the baedth of the light: the columne foll jolb the fourth part thereof, but the bright thalbe g. parts with dibafs
 aquarter moae then the ref. The frchitraue, Frefe ano ©omice, are togetber toe fifth part of the Colummes: of which


 fores ano the other that bind the ©olamnes, pouman fé in the Figure.



## Of the Ionica

A
 is not falfe, but is mane apgon Diferetont, fos that ft map fome time fall out, fhat in the compartition of a sacies, Epon occafion of any necerare beight, ano to make the Arcije oncquall, which fhoulo be fo to place the pzincipall gate in theniode, fubich in fach tafe afoulo not atfapncto fuch beight: but if we be not coatrapned bp anp aes
 the ofterifalbe 3. parts, and the beight 5 , but afterwards the wiocterfe Ueing deuidedin 5 , thenthe tohole foillars
 thallgach of them be of halfe a, ©olumne in thictneffe: litetwife the grch, ano the zompof which opholocth the fich,
 bigh, with ibafes ano capitals, mave accozoimg to the rule, in the beginning of fhis Cbapter fet ontone: the owas in
 ing made of the firt patt of the light, the Coanicelibe the eves of the Jmpot, placed aboue it, ane the erima opon that, making afterware the frére the fourth part icte then the Antipagmentum, then the bright foill finoit rafe, which mill
 grchftrauc, freffe ano Coplice fhalbe mave in beight, of the fourth part of thebcights of the columnes, be the rule as

 cular members, you fhall find tyem in full meafure in the $\Phi_{2}$ ber of ©ompofita. ghe winostors being made fity
 and abalfe, which is to gine moze light in the chambers. झithe Columnes fhalbe fat, ano one fourty part fozterthent tye
 fsure Columies thickneffe. \#hus of any parts ozmenbers that bee refing, you fiall fino meanes to mate thembe the perfeription of the afozefapo rules of that ozoce: foe of this Cozinthia, pou fhall find themeafure in the begiming of that 020ec. aboue this fozp, ly that will, mav mate a fualking place, well defenoco from water: ano that the beight
 great beautifying to the building, ano much safe to the inbabitants.


The fourth Booke.
The feuenth Chapter. For. $\mathrm{A}^{2}$


## Of the Ionica

S

 he hath in liand: therefoze if the beight of the ©allere rifeth begher then the Columacs, then in tbe midete of the






 fobich ©omice thall alfo ferue foza Capitall opon the foillars, aboue tbe ©olammes, ano thalbe of the fame bzedt that


 \$upercitiss with the jatafter of the famebeight. Hibut as muchas foabe onoer the supercilies, tothe ftayaes, of that balfe, the biedth of the light falbe mate; ano fo thelight flalue oftwo fourefuares. githe winoopes fuall fano as the





 low, ano their berghtlike the gecater: the rapting op in the miode aboue the fecond fory, fhall alfo be a feurth part leffe




The fourth Booke.
The Feuenth Chapter. Folots


## Of the Ionica

A
 tino, it is folitelvife a materiall thing, that bauing a Cbimacy to make of that ozogr, wee matit, as nere as we raf, make come fasio of that fere fberein: the paoportion whereof falbe tyus, that
 cozoing to the placing of the colunmes, tobich fall be fach like, monfters of frange fozmes (as me call theme mabe in



 two raufs, the one is, to make the mouth of the ehimney, which Doeth retceue the fmoke foioer: sfe otger is, to make a poiramicall fozme, making the nctie of the © bimmegina dyamber, but if is fill at the woill of the foozkeman, to make them moede os leffe, oz not at all.


## Of the Ionica

T
 that tye fire, whith ts enemp tomens cpes, map warme the reft or a mans bodg. IIHe wiocneffe of this $\mathbb{C b i m}{ }^{3}$ nspis a fall fourefquarc : the lailafter ¢hall bauca firt part of the foiocneffe: the ©imatie the feuenth part of the






 fozme syaue mabe in wooke, berp well liked of: but, as is fapo of the offer, if by occafion of Soo:ke it taketh ouermuch
 IThat part mave ouer foz an $\mathbb{D}$ 2nament, is alfo nt the fuoztemans will, foz this $\mathbb{C}$ gimnep is to tand in the tyichuefe ofa


Here endeth the Ionica Order of building : and these followeth the Corinthia,

The fourth Booke.
The feuenth Chapter. Fol. 44


# Of the order of Carinthia works, and the Ornaments thereof. 

## The eyght Chapter.

F Corinthia worke, Vitrumiws [peaketh onely in his fourth Brooke, and the first Chapter, in a meaner as if he would fay, that the fame, which is lays of che lonica Columns, is in Corinthia works: and in his fecond Chapter be fpeaketh of Mogdilions among the Coronas, therefore nor giving any other rules or meafures of the other parts : but the ancient Romances vying this order of Corinthia much, (as allot the reft) made the Bares of thee Columnes, with a great number of members or parssfull of worker: of which Bates to feet downe tome rules, 1 i will (peaks of one of the fayreft buildings in Rome, that is, the Pantheon, called by the name of, Our Lady de Roronde, feting downeall the meafures thereof. The Column of Carinthia works is made by a common rule, confining of 9 . parts in height, with Capitals and Bales: the Capitall whereof, thill be as high as the Columneis thickebelow, bus the Bare Shall be of halle the thickeneffe of the Columne. Of this halle, or heights of the Bare, there Shall be four essen parts made, whereof the one is for the Plinthus, the orherthree Mall be devidedin five equall parts, whereof one part hall bee for the Chorus above, but the Thous vader hall be fourth part thicker: Io that which refteth hall be decided into 2. even parts, whereof one part is for the Scotie below, withthe Astragal, and two Lifts or borders: that Aftragall hall be the fix part, and each lift or border the bale thereof: but the lift orborder vader the nethermof Thorns, fall bee a third part more then the osher. The ProieQure of the Plinths fall f fend about in another order of Columnes, making them like the Ionics order; but if the place be beneath ron the ground, then the Proiecture Shall be like the Dorica order. Alpo, according to the place where the Bates fhalbe placed, fothe workeman mull adde or diminish, as is before fayd: for as there Bales ftand beneath the fight, is will Rand well; barit it bee placed about the Gight, then all the places that are vied by the other members, with their feucral diftances, Hall be madegreater, then by this rule is prefribed. And the higher they be fey formich the leffe and fayer feeme the members : herein the workeman of the Roronde was well advifed, for shat hes made she $B$ ales above the Grit flory within, with two Scoties, but yet with one Aftugallalone, in fiend of two.


## The fourth Bookè,

Thefeuenth Chapter. Foil 45

TVac ocriuaticn of the Capitall cozinthia, inas froma agap of Cointhia: but foe that Vitruuiusin bis fourth 15 mae and firft Cbapter Defrribeth bis petegri, whercof 3 mill not trouble mp felfeto fpeatie of, thas muth 3 -will fap: Jea wozkeman bana airmple to makefor the

 life and comerfation, then a marimight bre tyis mas ner of foozke. Ethebcight of this dipitall hall bee like the thickuefc of the Columne belotw: the glua cus the feuenthpart of taathetght. ©D the refle there Thalbe thise parts made: onefoe the leaucs belolo; the other foz the leanes in the miode; ano the laft soithe सlolutes, as wemap call them, LBat betwerne the Tolutes and the midolemod leaues, there is a fpase left to the lefter leaucs, from tye which the Golntesgrem. aithe $\mathbb{C}$ apitalimarkeo B. Thall bee onverneath like the columre abcue: bnocr the alo bacus, there is a cinthamabe, the beight whereof Thall be balfe tbe gbacus: of which abacus, thse patts being mase, one flalbe foz the cimatie with the ILifts, ano the reft foe the felinturs. Uinoer the
 aremade; ano in the mibole of the albacus, there is a flotwer as great as the abscus is thictue, onder the wobich the leaff edolutes dhalbe made; joner thegrea tef, ano alfo bneer the fmallecidiolates, the miode leauss falbe fet, betwdene the which the leafl lcaues Challgroin sut, ano ont of them the Ulolutes (ping.
 foall each be 8. in number, dtanditeg betwiene cach
 the \&bacus, frompognt to pognt, thalbe tuo eidias mefers of the Cotamnes belolo: lahish $\mathbf{D i}$ iameter Ihad be placso in a 4. Iquare, a $\mathbb{C}$ írcle ojaiente \{nitljo out the fourefquare, which thall fouth fye foure coss mers: then, without this great Circle, anotber foures Tquare being maje, and ocuide in indiagonall, that te, croftengife, thofe lines will theio to be two \$ida meters in length (as Vitruuius teacheth.) 珻ut from the line B. C. you gall make aperfit Iriangle: ano bpon the cogner X. Thall be to make bollo on the abacus: from the fpaces, betwant the great ©it. cle ano the fmall,tyere halbe foure parts made, one part ffal reff aboue A. ano thze falbetbas taker aboay: the one fote of the compafe being fet epon X, the atger opon A. Dzaboirg about from B. to C. where the trokea line flall rearb on the tivo fioss of the griangle, there foalbe the termination of tbe comers of the Capitals. Whe erample is int the fo gure D. in this maner. ILhe Gbacus fall come in

 Laned thid netre tuloto
g. Mesuice cimatie. \&barns. ©anlical. zurfening leanes. grobic leaucs.
Tandermoit leaues:
C. xecios
lumices thicinetic abous

## Of the Corinthia

TDuchinathe Grebliteaue, Frafe ano Coznice of the © Cojintbia, as 3 baue fapo in the brginning of this eltapter, Viecruaius fettetti) Doleme no meafure thersof, altbough befetteth dolone the
 maner of ©aniccs, as mee fés in Intiquitics: but to pzocicio oporilpano not toleauk Vitruuius toziting to mach, 3 will fet the oanaments of Jonfca in this Chap, ter, aoding thereto the darragall in the Architraur, ano an ©ethinus under the Crotione, as fome grch-2xtbic tects infiome tane cone. Đo 3 lag, toten the archto fraue is made as it alanteety bp tye zonca, onnoer the misolemond facte, there djall be an gitragall mabs of the reght part of the fame Facie, and pnoer the bpper: moft flacis alfo, one of $\mathfrak{\text { Sepght parts of therapo facie }}$
 Fresfe is ift suith the cimativ, ano ithereto the Dens ticales mith \{be ctmatio, then you muft place ftyee sbine aboue it, of fact beight as tbe firct facteic, the
 moge eticn fhe miodemolt Factie: absue the ecthines poumart fet the © coniz, Cimatie, and cema, as it is


SDme riominh toozkemen, poocáding spith moze $N_{\text {bolernede, bauc not onelp placed © ecbines aboue ffe }}$ Denticules, but alfo mabe gpatiles and $D$ entiles to gelber, in one ©onnice, wobich is mach ronoemmed by Vitruuius in his fourty 2500 kk , ant fecono © hapter: foz tobt the mentiles reperfent ectraime séth, bp Vitruyius calleo 9ateri, and dhe pogailions ate fog the fuppozting of ofther enos of fooon, bp the fapo futhoz salled Eantere: fobich tivo kind of beames mapnot ftano togetber in one place; and 3, foz int part, coold
 althoudh IẼome abounoeth therein, ano diuers places of 3taly alio: but proceding ozoerig in this trozke 3 fino a generall rale, that te, that the teright op the cod lamies \$ouith MBarss and Capitals, Inalbe oevived in 4 . partis, tobyercof one ts giaen to the Arctiftraue, \#ricie and © Connice, anb 「uch a betgbt agresth wvith the $D 02 i$ ca: fbefourth yart thalbe devioero in 10. parts: 3. Whall
 and 4 . foo the © Comice. YBut of tyore 4 - there are 9 . parts mabe, ore flall bee foz the cimatie aboue ihe
 files \{oith theit © Cimatie, 2. foz the © 0 gana, ano the 2. laf parts for the sima, ,with yer Cimatie, 10bich Ofall
 ghall be as afozefapo: ysu map alfo make thic grchis - trane, F Fífe ano Coznice, of tye firf part of tbe beight af the ©olumne, as Vitrunus lapth in bis fift सboke, and feumity © Cyapter of fge 民heater.

$\square \infty$

The fourth Booke.

 Shall be maer, asisit is fab bof the etber:anto alke tyerrafter $3 s$ the jigght is, but of 16 : foote Downcwarte: it ghalbe iffeneo aboue the firt pari, be the rule aff zertiob: ane it it bie ffrikeo dz thanelto, then pou fuall make it like the 3onica; but fromi the tbito part netberwares
 in the frimure on the fioct: Ille Coporia is soity: out quatilez, loberceof the Arthitrauc is balfe the Columirs thickencle: the Fridef, foz that it is sut, is the fourth part moze then $\mathfrak{E}$ aichicanar:ant the Coanice suitbout the ©imatie of the freere, is as blab as the grethittaue: \&tpe heigtt of all fas gether is fomemat leare zben the gitpart of the Columne: ncticritheletre, if the fogoteture of the Cuspna bee well mate, then it toill factoto bee
 the builloing: whercefone, that the fikilfal toolkman map ehure out thofe parts, fbat beft ferue bis tatife, that be map not itcees Vicuuus botrine, and ithe gooc entiquities, Sobyict mefi, bp his tozic
 Iumne bae nevo of a pzopoationco jgrodual, being not let bpant occafion, tben é propgrtion thercof ajulbe thas: the bzedty Chalbe vatioes in 3 .parts, cobercof 2 . patts bhall bre fop the tetedt, that is? one furth parts, and 2. thits parts, (3 miane the lat) fubich beigbs gaill be Deafice in 7 , parts: orite foz the 2bares, one fog the comice abous,
 Ding to the Columue: but of tece particular menie.
 ficcum mode woithrome antiguities, infercof men: map take freth meafure ap flall lefe frae theis tumis.

The eyght Chapter. Fol. ${ }_{4} 6$


## Of the Corinthia

A

 mathed A. is with great tare p2epotioned after the great : which ljeight is contrare to the witing of Virruuius:
 be one © olumes thichenefic without the abacus: but the fert berein is falffied, foz that 3 baue not onelp founo this



 bauenogoob gracefrom the cozana doimetwarbs: ame alfo, foz that the © ozona, opon io much Conice, bath fo fmall
 3thinke bath báme a thing that hath continuev infome builoing: whith thinge, altogethcr, menmag applie to the odoet




## The fourth Booke.

The eyght Chapter. Fol. 47


## Of the Corinthia

O







 of a geos thickenes. LBut foz that you canmotrex the firlt, withont fálug a part of tho fees, thercfoze it (cementh tofuct) as looke on it, to be bedader then in effect itis. Sno this ooper, becaufe it is fohith), comes in pirpandicnlar, and is not




The fourth Bookè.
The feuenth Chapter. Fol. 18


## Of the Corinthia

T

 is the fourth part moze then the supcrilie. The ©ezona ane the reft, arelike the fupercilie, DeuiDeo as poufé




The fourth Bookè. 2. The eyght Chapter. Fol. $4 \hat{9}$

 cint seliety ndere, map find it mit) a Cempaff:


## OfCorinthia

O
 rome gererall rales, to fatiffis thofe that take pleafure to rad this tooske: ana foz that ancient foosemen, in times palt, that Defired to make thetr things frong ano eustlating, nabe jeillars (wherein tye fpilatters are


 lamnes thickeneffein tjevth: their beightis fometobat leffe then 2 , fourfiguarcs. githe getght of the jacectals of






 toindosocs. The light of the wincotors fhalbe taken Diagomall wife: ano the Antepagmentum a firt part of the light.










The fourth Booke.
The eyght Chapter. Ful. 50


## Of the Corintlira

W


 gremples in tbzee parts, fetting one part in the miode, and 2, parts an the foes : and fometimes the ©happels aremave witbout the fioes, as pou fás in the ground: Fifje wionelfe of this fracie fhall be of 32.parts: one lobereof




 Fréfeano ©oznice falbe the fourth part of the geight of the ©olumnes: ano fo foz the particular members ant parts sefting, the firff rule fhalbe obferueb. The wineotoes, 积icbes ano other oanaments, aman may conceaue in the figure


 faurth part efa $\mathbb{C l c t e}$, Lobercof A. ano B. is the $\mathbb{C}$ enters anb aboue rach arch that parteth the © Chappels, an man way fet fuchthings, mbich will be agreat opbolbing to the midolemof waske, ant alfo atong bpon them, the fater mat fall. from the hyeermoif taofe to the nethermoff.


Tie fourth Booke.
The eyght Chapter, Fol. it


## Of the Corinthia

T



 Doome, ano foz rapposting of the foinootics aboue the gops: the beight of the Grch (foz fometimes opon occation, a man
 tye fame propostion. ELhe Antepagmentum fhall ve the firt part of the lights ano if the wopkcman toill make the beigbt

 Coznice are of 2. Columncs thickeneffe, as it is faio in the firf part of the rulef, oz in maner of fome antiquities afope
 so madec croffewife, inf(uct safe me abutce thoulo be, to matse an \&rch right bebino the Columne, and to make cart rpace



 03 market, as it is flelved by the winkels oz mopss, it fuill be saffe and comelp to make aleaning aboue the bppermof Coanice: but foz fatety from ragne, frowe, ano frofit, aboue all other thinge, it thall bee requifte to make a roofe oz pauce






The fourch Booke.
The eyght Chapter. Fol. 5 ?


## Of the Corinthia

F

 ganmudious then bearings ont ano leanings ouet are, ano the builoing will baue a better thety; foz fyat all the things
 dex in 30 . parts, ano one of tbofe parta falbe the thickneffe of a Columine: the midolemoft fintercolumaes falke of


 all in fierpenvicular from the top to the botfome: but the tetightof the firt feinosines are of 3 . parts bsoad, and 4 .







 the beight of the winoswes, thee thalbe of 2 . fourefquares, ano rather bigher then loiver, becaufethe height of it felfe


 fos the fieripectiues of the © (balleries ffeluall clearele.


## Of the Corinthia

A
 they bill not ferae his turne, bincte theinguffice ano cuming of the tuot keman bee fuch, that be can belpe bims
 becobt in becth; the faillar (ball be halfe the fame wioenete befoze: but that jaillar being mave in that parts ano




 fhall be made of the fourth part of the © Columnes, ano in flecpenbicular the Colummes flyall beare out allthe members without the cozona oz ©ima, which will goeright thzough mithoat crookeving; foz good Antizulties breo te ooe fo: and

 bee mace fo, that tbe ©azices, tolich bpigite the © olumnes, fhall ferue alfo aboue the cooze, ant alfo oure the foino
 Whall be lefetben the firf, the fourth part : but the whole beight being Deuixed inc. one hall be fag the frodium, foure fog the fpaces of the winbotors, ano the other foe the grchitraue, ffrefe and Coznice, ocuibeo infach maner, as you
 the beepth thice inthe beight: the reff of the opmaments, as wingoters and feites, thalbe ogne as in this zonica (bate



 mate Chimnegre of foriz of them.


The fourth Booke.


The eyght Chapter, Fol.59

## $\frac{14}{8}$ <br>  <br> 




## Of the Corinthia

T


 piefenteth a gemple, dhall firf be mave of frong ruftcall mantr, as you fá, ano of fact yeight as the plate and
 beginntrgat the fiep A. Ifanoing within the entrie, and going op to B. then it thall bee fat solyere the ermple gall
 ment, till nou come aboue tbe beight of the podium, oz leaning, 3 . feps moze ano to come to that, pou muft gae bpon the tep C. to the fat D. which fialbe the beight of the pooium, with another leaning, tobite fralbe bigber then the


 be, the thall each of them baue a part ano an balfe, fo fhall the 24. parts bse diffributeo. The fants étilobato, as is

 Grchitraue, Fresc, and Coznice, fhalbe a fourth part of the ©olumite, as it is fago of others : and the members alfo dey





 then balfe round, as the fozoiccture foall couer the comice. Din the 4 . commers of the demple, foz the moze brautifying,


引hate fanemany noer the high altat.



## Of the Corinthia

A
 anp great perfonace entereth into a Eowne, theg ofe to make frchrs trgumphant foz to welcome bimin, fobify
 make an grch after the cozinthia maner, the pzopostionanomeafure falbe, that the light foalbe of two foure:








 the locight: bat of that theight there fhalbe foare parts made: one toalbe toe Coznice absue; the oiuiving tobereof, map
 coante the thickenefle of a Columne below; ano that is, foz that the pozeiectare of the cozona varkencth the relle of the


 sucro man mapeafle put tuth meafurcin off.


The fourth Booke.


## Of the Corinthia

A

 cimnot bee withatit it: fog not onely in grat, but alfo in faall Cyambers men be to make fire, intere, in fuch araight places, thep let fush ©bimneies within the wall, whereon a man map make diusts oznaments after the





 life the failater, but beneath, which reacteth oolint to the opening, thep foalbe one fourth part frmaller; ano broer them





The fourth Booke.
The eyght Chapter. Folish


## Of the Corinthia

I













The end of the Corinthia maner of building.

The fourch Bookè,
The ēyght Chapter. Fol. 5 多



# The mander of Compofita Building; withthe Ornaments thereof, 

## The ninth Chapter.



Lehough Vitruains fpeaketh of fouremaner of Columnes, as Dorica, Ionica, Corinthia and Thufcana, giuing hereby vnto vs almoft the firft and fimple maner of ornaments of ArchiteCture: neuertheleffe, 1 haue added one to the fayd foure, as (almont) a fift maner of Pillar, compoled of the others aforefayd, moued thereunto by the authoritie of Romane worke, which we may fee with our eyes. And, in trueth, the workemans forefight ought to be fuch, that as occafion ferueth, he may make many things by the fayd fimple and compound worke, refpecting both the nature and the fubiect. And therewithall the workeran fometimes (to whofe iudgement many fubieets may be referred) fiall be abandoned and left by Vitruxims counfel, that could not conceane all; whereby he thould be brought into a ftraight, and compelled to do, as he feeth cale: (I meane) for that $V$ itruusius, in my opinion, (peaketh not at all of this Compofita, by fome called, Latina, and by others, Italica; which the old Romanes, peraduenture, being not able to goe beyond the inuention of the Greekes, finders of the Dorica, after the example of men, and of the lonica, relembled to women, and the Coriothia, after the corme of maydes, of the Ionica and Corinthia made a compofition, piecing the Volute of the Ionica, with the Echino in the Capitall Corinthia; and thefe they ved more in Arches tryumphant, then in any other things: which they did with good forefight, for that they tryumphed ouer all thofe countries, frô whence the fayd worke had their beginnings: and fo they might well artheir pleafures, as commanders ouer them, fet thefe orders together, as they haue done in the great building of the Romith Colifeo. And hauing therein placed the 3 , orders one vpon the other, viz. Dorica, Ionica and Corinehis, they placed CompoGita aboue them all, which, by euery one, is called fo: although, as men may perceyue, the Capitals are almott Corinthia، But it was an excellent judgement, in my opinion, of them, that hauing placed his order in the higheft part of the Colifeo, which being farre off from mens fight, men fhould haue feene, if they had fet the Architraue, Freefe and Cornice of the Ionica and Corinthia aboue the Columnes, that fuch worke, by long diftance of time, would haue prooued bad: but placing the Mutiles in the Freefe, they made the workerich, and it holpe the Proiecture of the Curona; and withall, it wrought another effee, which was, that the Architraue, Freefe, and Cornice, feemed to be one Cornice alone, by meanes of the Modiglions that were lee in the Freefe,for that they feemed great ${ }_{2}$ obleruing their proportion.

[^1]The fourth Booke.
The ninthChapter, Fol. 59


## Of the Compofita

F


 is













## Of the Compofita

Y

















 mogkemant

The fourth Books.
The ninth Chapter, Fol. 6 : Nifmaratamnionerneman




## Of the Compofita

A
 is mozelifentions tben the other maner of buibing: and fo? act)anging of the other fonme, gou mag alfo make this









The fourch Booke, The welfth Chapter. Fol. 6


## Of foure maner of Simmerries.

T
 fog that there are come places in Acchitecture, of the which there map, aimoft, crrtapne rules bs giuen, fos tbep ate



 rale: the erample bereofis in the firtecolamme markeo A. but if gouplace them againft the wall (though thep bee round) bp the tobich being snocriolvan ano holpen, a manatay make another thjicknefichigher aboue the fame : the efo











 moze ourable: and although the flebefall bea great belpe to ravfe bp ©olumes, neuerthelefor, if the columnes bshigb

 Hyeaters ano gmphitheaters.

 and this topulo be a moft certanne raton: but fos that the fecono $\Phi$ toze fhoulo lefferi mush from the fitt, ano woulo


 this rale agrésth with that of Vieruuius in afheatrum : lubith flgure is aboue the Colamne $A$ a and if pau toill not tefs ren the Columne fo mach, then gou mulf make the oppermoft ©olumme as thicke as the nethermof is in the oppermof
 low: neusethelefif, thofe of the Iryeater of Marcellus wozke that effect. githe srample bereof is in the colume B.


 the fourth part, one abue the otber, the laft, in fo great a builbing, bp reafon of the great difance, moulo banc metore
 C. gut as the ©olumne abous the ©olumnz D. is lefe then that which fanocthlobeft one fourth part: fos that, if a


 rreafeth in beight about the fift part: aito this is fo (as 3 haus fagb) becaule of thegreat viffancet fobich part, by meanes of the great diltance, fermes to be of the betght lyat the reft are: and altgough that the theming of tbefe columnesis FDozicall, yet it is foin all foyts of columiet.

The fourch Booke, The ninth Chapter. Fol, 6 :


## Of Bricke.

H


 sabich thothings, if thep be not toell ano faltip bound togetber, thep toill, in time, oscay: ano tijercfoas the foundation being mace in fuct maner as the place afiosocth, it is requifite, fhat tbe papuident moikeman thoulo make reapy all tife bara fonce, ant alfo the bictas, woilf the reff of tie flaffe beionging thereunto, and foftoulo come to lap and iepue the bard fones and fie bjetes togetber, all at one tinie: ano it is requifite, tbat the bato fones fopulo be fet fo farre fuith.






 the wall, ane aboueall the © ozona and otjer Comiser, which beare farre out from the wall. zilbe inmesmoft part tbot Is ontozangbt, muff counteraaple that iobtel) is witfont, that it may beare it celfe: but if af the fame time a man will
 bowe the groune, fipulo make rcaoy all bie dones, together mith the otyer fluffe belonging thercunto: ane folaping
 wall, that they map bolo the other pares taretber by fose, iopuing ivell in, as goufer it in the fignre C. that in time thee
 Sbould basake the thinneff parts, by reafon of the waight abouc, it is neeceffary to bauc bjicke well varnt, ant nogtec
 soonlo not be mave by anp force, not toaight bport inaight, to be patht in bafte, but pou muftet it reff fome what from late
 being not able to beare the wainht, will bicate; but if it be made luithlepfer, then the duffe will be as it fboulo be: the





 nero plates of Italy, bauc mate fome butiong, twith fmple walles, Ictuing places in thenfoz tiaro flones to be put itt,




Theninth Chapter. Fol. 64


## Of Doores of VVood, and of Metall,

## The tenth Cbapter.

 $\because$ Sthinke, I haue fufficiently fpoken of the Ornaments belonging to building of Stone, oow I willfpeake of Doores that thut the houfes: whether they be of Wood or Metall, I will fer downe fome Figures thexeof: of the hookes I will fay nothing, for all the world knowes them well enough: neuertheleffe, thofe that were red in ancient time, as you fee them in the Fin gure $\mathcal{A}$. were eafilyer to be opened and fhur, then thofe which are now vfed in all Countries, as in the Figure B. But whether thefe Doores are of Wood or Merall, their Ornaments fhalbe made in fuch maner, that the fayrer the Ornaments of Stone are, the Ornament of the Gate allo Thall bee correfpondent, that sthey may be one like the other; and to the contrairy, if the Ornament bee flender, then you fhall make the Doore of Wood or Metall thereafter, which is to be referred to the workeman : and to giue youa thew of fuch Ornaments, you fhall herefee fiue maners of Ornaments, which, for the moft part, are taken ous of Antiquities.


The fourth Bookè escoo tho zam Thenterth Chapter, Fol. 6 s


I

## Of the Frames of Doores a cold incolanit















The fourth Booke.
The tenth Chapter, Fol.o6


## Of Ornaments of Pictures withinand without the houfes.

## The eleuenth Cbapter.



Hac I may not leauc ous any kinds of Ornaments, whereof I giue not Come rule for inftructioa, as well in Pietures as other things, I fay, that the workeman ought not onely to take care of the Ornaments of ftone or marble, but alfo of the Paynters worke, to let out the walles withall ; and it is requifite, that he fhould prefcribe an order thesein, as Surueyor of all the worke: for this caufe, that fome Paynters haue beene workenen good inough, touching the handling of their worke, but for the reft, of folittle vaderfanding, that defring to the wher fkill in the placing of the colours, haue difgraced, and fomerime fpoyled a Story of a houfe, for want of confideration how to placetbe Pictures in the fame. Therefore if they haue a Forefront or Facie of a houfe to paynt, it is certayne, there is no opennelie to be left, where ayre or lanthap is to be made, for thofe breake the building; and of athing that is mafly and clofe, they tranfforme icinto an open weake forme, like a runous and $\downarrow$ nperfit building. Alfo there fhould be ne perfonages nor beafts coloured, vnleffe it were to trim and decke doores, wherein there are mens perfonages: busif the owner of the houfe, or the Paynter, defire colours, that the worke may not be broken nor fpoyled, a man may couer a backled wall ouer with cloth, and therein paynt what he will: and alfo, after the maner ot trymphs, 2 man may lang on the wall Garlands, and Arings of Leaues, and Fraits, Flowers, \&c, and alfo Shields, Trophees, and fucb things as are co be flirred: but if you will paynt the walles with firme matter, then you may fayne things of marble or other Atones, cutting therein what you will: you may alfo beatutife fome figures in Niches, with metall, and fo the worke will remayne firme, \& worthy commendation of all thole that know good workefrom bad. And the Author rehearfeth diuers excellent workemen, whome (for breuitie fake) I will omit, that onely vfed to paynt nothing elfe but white and blacke in houfes, and yet fo excellently well, that it made men wonder to behold them. A man may alfo, with good reafon, make and fet forth certayne openings in walles of lodgings, round about the Courts, and make ayre, lanthaps, houfes, figures, beafts, and fuch hkethings, as hee willin colours. Alfo, if a man hath Chambers, Halles, or other places, about the ground within, to payntand fer forth, then a Payater, in maner of Architecture, may make openings to fee throughthem, as theplace is: for aboue the fight a man mult make norhing butayre or fkyes, roofes, high hillesyand the vpper part of houfes: and if you place figures alfo aboucthe fight, a man muff fee vnder thena, and not the ground whereon they ftand. And if the Paynter will make a Hall or any other, or further ronme perfpectiucly, he may, ouer the going in, with order of Architecture, make it to fhew further chen in effeet it is* And this, Balsbezar (a man excellently welle earned in Archite民ture) did, in beautifying the Hall of eAnguftin Guyfe, a Marchant of Ronse, where, in that fort he fetout fome Columnes, and other Architecture to that purpofe: fo that Peter Aretin, a man alforkilfull in Paynting and in Poefe, fayd, that there had not beene a perfiter Payncer then he in that houle, alchough there is worke alfo in it of Papbsels owne doing, And when the walles are paynted, and if you will haue the roofe alfo done, then follow the fteps of Antiquitie, making things that are called Grootes, which, for that you may make them as you will, ihew well therein, as Leaues, Flowers, Beafts, Birds, and other mixed mater. If a man maketh any clorhes or apparell of figures, or whichare made faft on them, therein a man may doe as he will. But ifa Paynter will má-e any figures according to the life, in a roofe of a houfe, then he muft be very fkilfull, and much exercifed in Perfpectiue worke, and very iudicious to chufe fuch things as are fitelt for the place, and rather heauenly flying things, then earthly things, with fuch Arte, that he mutt horten the figures fo (although they bee monftrous) that when men ftand a conuenient diftance off from them, they may refemble the life. Which thing is excellently wellmade in Lorette Mansia, and other places in Italy, by diucrs workemen: yet fkilfull workemen in ourtime hauc fhunned fuch frortening, for that (in truth)it is not fo pleafing to the eyes of the common fort of people. Therefore Rapbael Der Gin, whom I will alwayes name Diuine, for that he neuer had his fellow, (I fay nomore) in this thing, as meri iudged of hitn when he was to paynt the roofe of afiugufin Gryje his Gallery, thunned Thortening as much as he could: for when be came to the higheit part of the roofe, and there meant to make the banquet of the gods, heauenly things, and fuch as ferued to the purpofe for a roote, taking away the harfhnelfe of fhortenings, fet farth a cloth of azarecolour, made faft to the Atrings or Garlands, 2 sif it had beene athing to beeftird, and therein made the banquet fo feemely and fo workemanlike, that the Gallery was rather efteemed for a preparation to a tryumph, then a playne paynting anade vpon a wall. Therefore the workeman, that ought not to bevnfkilfull in Perfpectiue worke, fhould not indure, as being Surueyor ouer all the workemen in the building, that any thing fhould bee made thexein, without his counfell and aduice.

# Offlat Roofes, and the Ornaments thereof, 

## The twelfth Chapter.



Lthough in the Netherlands they ve not to decke the Chambers in the Roofes with woodden worke, weseet theles, when a bouse without es made wholy after the old maner, it were wnfit that the Roofe fould not be agrceable, as alfo the Bedfeeds, Bankes, \& 6 . And which is more, I would fay, that each place fowild be fupfed and futed withis, with things fitting to that whichit gherveth outward. I fay then, If the Roofe be bigh, then the deuifions to be wide of $f$ pace, and rifing or bcaring out well; and if a man will beautifie it with Paynting, it mufl bee well done, and conformably paynted, according to the greatneffe and diftance thereof. It ought allo to be made of light andbrowne colours: and in the middle of the field you mufl fet a gyls Rofe: but if a mann will colour it, then the field mull be blase, as piercing, but the Rofes mufl be bousd wasth. fome soorks or braniber, that they may not feeme to bang in the ayre: and the Cornices which clofe wp the fouref quare or other fields, mull bee well gylt, or beautifyed with she fame colour: but if fobee the Roofe is not high inough, then you maft make tbe worke thinner and / maller, as alfothe paynting: and that you may underflasd it, I haue fei twof igures to (bew you, ivhich, notwithfanding, ase all one : the one of bare wood, the other paynted, as I layd before. And shis order l ob fersed in the Roofe of the great Librarie in the Palace of Venice, in the time of the Prince Andreagriti, becaufe the Roofe was lomer then it hould be, in refpect of the wideneffe and lengith of the Hall, and I made it of thisne worke, for the reafon aforefayd,

The Timber worke of the feeling aforefayd.


The fourth Booke. The twelch Chapter, Fol. 68

The Ornaments and Garnifhing of the fanis workes


Another maner of Sieling.


The fourth Booke.
The twelfth Chapter. Folo6;

4.and

5

The Garden, being an Ornament to the Buitding,

therefore the efe Mazes and Kinots, are fet in Figut $t^{-}$.





L
 Lyow a manliflall make, colont, atib place tgem, accopoing faflate, woskemannity; 0 : uatares that therebp aman max pertevae of tobat tactic, of fris Ingencece it is Deriuvo: Pos, faith bey foee fá that in Pomert timis melimador figareo piainces in tbecis

 bis calling and conoition. Sno sahe twill hauremet to make scolour anmies, that iiec to he Cet bp, ap
 ater, blue, rco, gremne, ano blacter tolours; butno metall bport metall, noz colour upon tolour. 23ac foz that tropkenten bere in this Countre make ne grmes after thesir owne pleafurefis, toe voillet them pafte, in plate theredf fet downe a figure of lets fers, the evbich the wojkemali baith occafion mang thmes to cut, 02 . place abone đates, Fircifes, and other tablez, thercirr to fet namce, fitles, oxaices, oz other luperferiptions,at the ples fure of the owners, 03 to tholuw apalace, of anipo ther common placess of offere 0 o otyerwife, geacrThelefe, fox that bere there are roaning ionakes sist fill the place, 3 will fet the ffigutes of tye Arme
 Map bee complete Xebe bookeman ${ }_{1}$ bauing no tho bolebge of Icatniugss Ifoulo bemach troubleo, to fake farte ano nére foz one tyat floulo mozito Them tos bim: ano alttongty that be bath them in
 propoptions, they mat be ppopleo in wozking, ant So baing Lis bootse in contempt; as alfo tyofe that Dzeve then foz bim: sherrefoes, althoushthey are Dzalume bpLucas Paciolus, Geofry Tory, and Al. bertus Durer, who, neturtheleffe, agree not all too gether, therefo;e 3 will fet thect bereafter Dopwne foe a commani ralk, following our Autboz, latyo (lets ting paft all fuperfition) baty bsousibt the coo lumenes zosoefals into a diée meafure: by lobore autbpitize, 3 Igoulo almoit fat, that a man map make tyfec lettcrs greater 03 (maller, accrozoing to the ozers of Columires; but to togite the ©imetry, Da nop, E 3 max not Digrctife to far out of the toap, 31 will folloim Vitruuius, ruberch bee fapth, tbata zonica Columne is 9 . parts biagh, and be ferening of Diucts Suthoos, tbis fommie of Ietters is alfo found in 3 Ointa, ant ro 3 lsaucthem of 9 . parts : ano Lobether a mantwoulo make tbem bp ©ajint tbia oz Eompofita opder of io. parts, it woulo not be amiffe, foz as the cozimtbiais mot vico fois the acnoprneffe, io tbefc cetters, foz the mof part, are
 thec are made of gyabt. Diptbat reason tyereof, it were not murb to bee contaunco, confibering the groffeneft of the woike; alfo, accolbing to Virsuvius witilng, a man imap alter tbe oimetrits, as is is fufficiently lacturd in other placess fog opotin
 bew altogether fatire to that they are. Tol learns safip to make thefe letters, frra, ponumuft maīe d. perfect fourcfguare, and fettit in as many parts as pou wil giac vinto if leters: bat it thep be of $6,7,8$. 2. 02 10 . parts, mo:c oz leffe, the finalleft brauatt Sbatibe the third part of the thirtecuete, and the croite Draught the halfe. zixhe coaners fhall, at lexlf, bauie ns nuct hapoiecture ais lye thictinetre of
 one letter is suithiu tbe fourciquiare, ano the ot it without, you map fix in the figure, where pouniag fet toe Compafic to opalo the round: vecimite fet








The end of the fourth Booke.


## THE FIFT BOOKE:

## Of diuers maners of Temples,

## The foureteenth Chapter.



Lthough wee fee and find diuers formes of Temples and Churches in Chrifendome, as well ancient as moderne, yet for that I haue formerly promifed to thew fome Orders thereof, to accomplifh the number of my Bookes, therefore I will intreat of them, and fet downe twelue feuerall maner of Temples, with their grounds and meafures: and for that the round forme is the perfiteft of all others, therefore I will begin with it: but though in our time, whether it be by reafon of fmall deuotion, or cruelty of men, there are no more great Churches begun to be made, and that men finifh not them which in former time haue beene begun, therefore I will make mine formall, as they may paffe in reafonable maner, for that with fmall coft, they mighe in fhort time be made. The Diameter of this ground hall be as long as high, according to the Figure of the Circle, that is, of 60 . foote. The thickneflic of the wall hallbe the fourth patt of the Diameter, that is, 15 , foote, that a man may caflly make the Chappels within it: which Chappels fhall be 12 .footbroad. The Niches betweene the Pillars. fhall bee foure foote broad: the other in the Entrie, and of the three Chappels, fhall be fixe foote and a halfe broad: and to fpare charges of fone and lime, the great Niches thall be made without the Chappell: the bredth whereot thall bee is 5 . foote. This Chappell is eleuated from the earth at lealt fiue fteps; and if it were higher, it were not amiffe: for the earth in time rifeth, fo that men goe downeward into many old Temples and Churches, whereunio, in former time they aicended vpwards: butchis Stayre would alwayes be vneuen, according to Vitruuius writing, feaking of Temples, where he fayth : that as a man'with his right foote begins to clynie vp, he may, with the fayd right foote, ftep vpon the pauement of the Temple. Touching the foundation, a man cannot fayle, if hee maketh it deepe and broad inough: but the leaft bredth that a man can lay, is shis: that a man thould from the Diamerer of the thickeneffe of the wall, make a perfis fourefquare, and the Diagonus of this fourefquare Thall be the bredth of the foundation vnder the wall. And fo, I thinke, Vitrumius writeth, where he lpeakcth of foundations. But rouching the Stofes of foundations, in faft or hard ground, and alfo in watry ground, I neede not fhew it here, becaule cue!y man knowesit.

The fift Booke.
The foureteenthChapter, Fol. $亠$ i


## Of diuers formes of Temples

H







 made fopt bith gialt, oz it map be Ifft open, whereat tljcre hill come in light incent to the mitole of the airmple, fos





The fific Booke.

A






 as the going op,thatpeaple may not fo eafily cone to if.


## Of diuers formes of Temples

H







 Shatbe I 3 . foot antoandalfe bigh, halfe round aboue. Gboue thofe 3 , fourefquare ©happels, ano oure the going in, there map beflat eouer $\$$, fometohat falling Dolune, t 3 bopo the water: a manmap alfo make ffeps within the thickenelfe of
 may beft be pzouioes: but lleas moulo be thefureft.


A




 midolemoft Columnes fall be 7, footand an balfe: the ofber fhall contagne 4 , foot ano one fourth part. Theie tivo



 it felfe, it might fuffice foz the sobole Iemple: but to make it lighter, fhere map be winoowes maoe aboue the ehappels.




## Of diuers formes of Temples.

1

 oruion in fiue, one part falbe foz grefitrauc, frexte ano coonice: the otber 4, parts fall bee fos the beight of




 may be beautifico, as poufait in the figure; and rifblecr alfo, maiking the fetineofors abous the ©omice, hanging
 nnough.


## The fift Boake. <br> The foureteenh Chapter. Fol. s

A


 Chappels are 15 . foot bioad, ano goe 4 . foot into the wait, to the halfe $\mathbb{T}$ arcle, whithis, i 3 . foot wioe. Whe great




 may be made bollow snterncath.


## Of diuers formes of Temples

A
 Yhe eanthozne is alro as bigh as bzoat to the Comice: the tionfe is of balfe a Circle, تheroofe of the ticmple



 the geth, the examiec is the fourth part Leae then the great, but of the fame foame, ano thall ferne foz Capitall byon the








## The fift Booke.

## The foureteenth Chapter. Fol. 6

T

 2. fmet. The
 fotc ando alfe bsoad, which luill baing in light inough, althoughtleere be no Hanthoane. Dn the $\sigma$. cozners mithout the Ifemple, there falbe fat pillare made, of 2 , fote and a quarter bzoad, comming outa lithe. and if pou woulo




## Of diuers formes of Temples

N
 ple, 3 muff focto it Canbing spright, ano alfo nefrribe it, as wall within as without: foz although the IT emple be Wi)olp clefot op, pit 3 baue fet a dyappell abous vact it, to fes it fuithir, foz that thevare all fuc of one foame; ano the going in alfo is of the fame fomm.等ut iouching tbe cutcrmof part, 3 fap, that tye beight from the paues ment belolv, till per ecme aboue the Conite, fualbe I8.foote. The Comice rourt about tise gicmiple, Iball be mado of a fiote ano abalf: but the members of the fapocoznice thalve made accozoing to the ©bap, tre of Dopica, foz thatit chall alio ferae poz capitall yper the lotias fiters, at tbe co. cozmers. if oucting the zinintly tbat it frall ferue foza cozana, it thall go but right thenough aboue the quafters, as gou maré in the fio gure. eche flogztall betoze ffall bee beanifero bith round edamines, © wish gat ©ounterpillats : twhere: oithe midotemat zutercolummes (02 [paces scticeme the ©oinumes) balbe 7 . fots and a balfe. ت十blye cos Jumncs flall bie a fote ano a balfe fipicke: but tye fiace bet tomene racth 2. Eolumics, and bitlars, liall be balfe afoote: thefe fapo ©olumnes futibe 8. fot and ibex fourth) parts bigh, Ebe Capitals maibe ¥opica: but the ebates, tecaule they dand below at the foote, in therapue ano
 tha the grcat zBilaffre, going ahaut the Fitemple nalltors, therefois


 coartes Leithathing, whict in thofe cann treve lafety lons, ane is eafy to ber bat, otherioife it losre beft to be of Meats: ant this to touching the tyoide mittgout. IED fpeake of the iniraro part, it is fapt, that I. cgagpell feructo foz all: tbe bezoth of tbefe Chappels bolo each of them 10. fot : ano in geight 13 . tot and abalfe, and enter 4 . tot into the wall: on fach fioe they bamea friche, which is 2. imt bsoad: aboue the alo tar tocre is a winoohe, whith ie 4 . fat and a balfe hopan : ane 7. fole bigh. gilye ©azaice suithin the tilemple thall tant of the fame beight that the outcemoli Doth, ano thall alio bee of the fame figures: foz the felinthus witb the cimatie,fyal alfo ga rigbt thanagh, rgunto about the wemple, without bearing' out aboue the bilaffers: otbermite a man may make thein mach acnoerer them the that fand in the rayne ano the wins. pous mapalromabe ty \% Hafesafter Sppaca: ant although all the otber eremples therme ber foze, baue their lysights bithin, iffe tys byedti) es the mianicter, fo hall thiw, meuct theictfe, thoughit be fo mall, be fatie $a$ Dia
 abalfe, wheth is feach and ifirty ionto and a palte.









 ple greaterggon mag make it mozeféte.


## Of diuers formes of Temples.

T






 will haue moze light in tbe scmyle, then you man mate a bols aboue, and that to bee coartco with glaffe, pophtiwife, adagnit the razne.


A ccoaping to Ebis unnermot Dxtbographie, the ©omices and pailars are of fozme ebelight libe itye innermole: from the coss nices spptoaros, the roofecis ahalle Cicle: : tbe 3. greateff Chappels are rooft voith Arctbes, anb are 18. foot bigh. IIfye round Columnes Galbe tbzé quarters of a fot thick, and the balfe actozainalp, and finail be fice foot ano anthalfs bigh: the architraue, wherron the grch remes, ball alfo be theic quarters of a fant: the interecolummes in tbe mibole, inall be foure foot and an balfe; and on sether (fipe toos

fot ano antaife. Fhe Cbapptly of galfe a circle, thalt allo be 18 . foot bigh: the Relebes of all the Cbapuels faibe tenfont begb: the Eribune that foodo flano in the miople withtye altar, is figured aboust and from the gromio to a boue the comice, it is 18 .foate ligh: the eomicement tacreof is thas fot:thereit is fot the potlarsy where, on the fiots, nou map make phiafers loith greys, and all Fonta worke, as well sethint as buitucut. 迎be Tributhe is of a talfe cinde.


## Of diuers formes of Temples.

## A

 zi thorgh this around mitbout is fourerquare, vet iothin it is 8. roznero, whereof the piameter mithin is 65 .fot,



近敂
 fiat laillars at the comers arc tbza foct bjoab.

 gure as it is without, Jobered 3 mill defribe the beight: and firf, from the patament, to the tigheff part of the Co:nice, it is 22, foot anJ an balfe: the beight thercopoenioe in fire parts, one fintl be fog the frebitrane, Frafe anve coanice, the other fiue parts are foz the pailare, which being two foot ano an balfe baga, pet thep are not to long, brcaufe the fano tho together; ano liftle rapfeo bp. ELhe meafure of all together, pou map fino in the ozoer of
 light into the mioble of the IIcmple, whereof pou may eafliv finoe the mealure; with the imall foot that fanoeth in the
 Comice fatibe the thictenefe of a Columrie belolo, beuideo as in the ©apitall of gozica. ©he frontifpicieriféb to

 nife, ano absue it is balfe roung, souctco as yonte.

$c$

## Of diuers formes of Temples.

N
 comero












## The fift Booke.

 The foureteenth Chapter. Fol.roT









## Of diuers formes of Temples

 E foze, aithough a man choulo fet tyem out allfoure, at teaf thze, in this maner, gitg beight of the firf soap, begin






 fione falbe 16, foote: this beight ofuioed in 5 , the one part fralbe fo: the coanicement of this ztantboms, ano the go



 mette of the fayb



## The foureteenthChapter, Folut



 the light perpendiculatimife, as you map conifocr it in the frigure. From the faneneme, to the bigheta part of the
 baftaro, and at bis pleafure, foit banc not muct bearing out, that it map not take abay the aght of the raofe. She

 cuell the fmall تilemples as the great. gboue the facie the balferouno rocfes of the 4 . ©bappels fhalifand, Gboue




 Tule fie commonly, that touno about the ©hurches all comers lye fall, which tis oncinulifoz fanctifito placeg: therefoze



 Scho, in building thecof, Call


## Of diuers formes of Temples.

A




 foure foote. cedithin the feilafters the fayes fhail fano to goc op, ano that the pilaters ibould bee the fater to beare





## The fift Booke.

## The foureteenth Chapter Fol.iz

T
 the gaing in; ano the height from the ground to the $\mathbb{C}$ opnice is 30. foot: the edonicement is fine foot: the reff re


 in the lano sobere it bloweth, rameth, and fnoloeth much, it map fand mach bigher. Sboue the apper part of this



 fall


## Of diuers formes of Temples

H
 trelike, rut euen in 2. parts. gno firf, fpsaking of the mivole whercon the gritiune fandeth, thereis frem one

















## The fift Booke.

## The foureteenth Chapter. Fol. is

A





 in the midole of tye Cburch, is 30 . foot wide: the th? $\mathbb{C}$ © appels of halic ©ircles, befioes the 2. (matlect wallees, are 25 .





 ano altbough this gicmple bath mant fteps os fanseg, you may matie leff.


## Of diuers formes of Temples

T




 up in the midole, fhall to the bpper gart of the Coznice be 25. foot; ano the connice thereof fhall be the fourth part leffe










## The fift Booke.

## The foureteenth Chapter. Foliry

T
















D 2

## Of diuers formes of Temples.

T





 Iobich Elatie 17. fote wide in 4 . (quare. Ffrom the IIribune to the principall going in, there thall fand 5. ©happels









 tagneth 37 . foote: ano their Connisements mall bee a fourth part lefe then the other: the fame beights ano ©oanices
 Thall alio lefin the fourth part: aboue there (hall fano afmall rifug oz elenation, whercon the fiettle fhall reff.
 from the pauement to the opper part of the ©amuceis 27. foote: the Conice falbe 4, foote thereaf, made fite a Capis









The fift Booke:
The foureteenth Chapter. Fol. is


## Of diuers formes of Temples

A
 tpith tbze fles oz walkes in tbe bopp, but alfo fixe: my meaning is nat to toite af futhgreat zemples, foz that
 Cburches are occave b, becanfe in thefe baves, men sould hardly make them up againe in great foame; and to this












T



 mave leanimg foztuard fog the water. ©


 fog thatabiate on the file, in the roofe oz coare, therc is 3 . fot of roome to fpare, there may be alcaning place niabe, both gog mpznamentand allo fozeale: the couermay be coucted ouer foith llead.




Printedat LOND ON, by simen Stafford, I6II.
B. W.


(


[^0]:    Fithebalfe of the common tote, foheremith the afozefapo double Arch, with the folloming peraments, is meafarcd.

[^1]:    
     © ointhia: ano tbis is uct ficte in the (Bate of the arcty trpumphant of Titus, ano Verpafien, in Reme.
    
    
     gitbitraue thall bee as high as the Columne is thicke aboue: the frefe, whercin the ghutiles are, foall bee of the fame
     beight of the ©02ona, inith ber ©inatic, boldeth as much as the Grifitraue, ano that ocuiocd in 2. paits, one ball bee the Cosona, the other the ©imatie; the pozoiecture thereof, fhall be life the beight: ane this is a common rule, allhough that in the jfigureenfuing, mathed C. you may fé the members ano meafurcs of that, tohith is in the colifeafozes
    
     egght parts maee, one fos the vifale, ant one foz the scina: Uut of the particular members pou map tabe the crample
     fryumphant: and fo, being a Columne of ten parts, the pedeffall thall alfo be ter parts in it felfe, pzoppationedafter
    
    

