Proceeding cootward aeder the tower, which Prould be of one beight incurnally to the bees of the mire, lookios apward, with the arched epeninge all roand (the light pacaing froely thangh thom), anow and magnificent picture would be given; byood which are the groined arebee with opem cloisters and tomber on ench gide, mearly ifmilar to the weat end, onder which arrivel to the cometery groanda woald be again efiected.

In the clointers forming the sides of the centhedrel I beve shown tombe: at they wrald be commending and derirable situations, arm of moner woald be obtained, in addition to the ordinary foes, for the privilege of placids them there ; and it mirgt be hoped that many would be indaced to erect handsome memorial to themeelves or deceased friends, which would Ereatiy add to the decoration of these clointers and by a little outhey in gildiag, colouring, and bripgipg out heraldry, \&c., a aplendid effect woold be the reault, which would be moch beightened by hoving omall parterree if flowers, of rich tints, placed in the spaces between them. The finwert being behind the boturesees, some would just catch the atrong lightn, and come be is tha deep shade, couning io this little matter an slmont endleme variety of tint and shadow I would bere aloo sugsert that the bailding abould be surrounded outside by a grme-lawn, freely aprinkled writh flower-beds, to the view ontwerd would be improved, and the scent wafled into them pleasant ; beeides, on a bright dey, the refraction of the con's ray wruld illomiata the lower elointer with all the varioss and splendid tints of the grase and Howers, and thue colour them in amaner fur apperior to say which can be done by any artificial meano. If ofew irees were placed near the chapel, the shadow: cast into the cloisteri woold by their contrast malre the bright parte appear itill brigbter. By attendiog to theet little, and apparently inajgaificunt matters, at timen mant unexpecied beanties are added to buildings, and lmont magical effects and be produced. Un the opposite nide to the tombe are blook walls, on which tablets are proposed to be placed peigg the light, which, by being inserted io proper recesses and paneling, might be made to assiat greatly in ormmenting these eloisters, as the docora. tions would not be more expensive than thoee nsed et present on such occasions. By epread. ing out the lower parts of the hottrenses, the tombe on the ground-utory may be placed oatsidp, with eanopies arer them, which, with the deep shadows east by them, woold sdd to the pietorial effect of the exteriors, at the anne time protect the open cloistere, and by a jodicious arrangement of the arebes, and the arches orer the carriage-drive (which might be formed into bridges in communicate with the elointere on emeb side, from which splendid riewe of that part of the boildiog and the foneral procenaiona below would be obtained), the lateral, the filling.in walls, and upper cloisters might be surfprisingly thin and light, consequently be of litule comparatire cont. These eloisters, it mosy be obeerred, would produce diatinct and éparate scepes (all of

Which might be difierenty decorated intermally), coman embraciog viewn of the cwetery crounds, and some the carriage-drive, with the tower and opposite cloisters through the open. inge at the aiden; by forming these various secmet, sreater degree of interest would be excited and kept up in the mind of the nbeerrer, and afterwarda be related, and ou canoe handreds to view the place who would pever otherwise have thought of goimg, and hy thom means make popalar the extabliabment.

The length of tiee whole of the cloistere would be opwards of 9,500 feet, and the apace tberein capable of being corered with tablets at los. per foot superficial (I heliere the unual charge), would produce $12,0 \mathrm{WO} 1$. ; the fees from 10 mbr , at 23.4 each, woeld amount ha ahout 3,0000 . and, puthing the fees for the buriala in the family veulmon the Fround-atory at aimiler total som about 18,0001 . of the cont could be obrained from this source alone, withmut tulting into cma sideration the fees to be received for intermenty io the catacumben to be formed under the whole boilding, which wuald be very consider oble, sod much abore the edditional curi of ereeting then.
With regard to the aitoation of the baildine as to the pointo of the compass, I bera shewo and described it as ataading don enat and weot. as is osual ; but it is evident that the north side of the building would never bore the bepefit of the sun's raya, and it beime an important elerafiod, requiring stroas light to briber it ob evectundry. would lose a grean desl of ite beauty in consequence; berides, the grase and shrub od that ide would never thrive 6 well as on the others. By placing the boilding dingoaally to the points of the compana, une end onlr would ba is the thade; the three principal eleratinas woald then bave all the adraniages poasible to be obtained, the tunio raye pene rative joto the open eloister and archway. bringing out, by deep shaduws, all their parta boldly, ventilate and keep dry the whole build. 3at.

In conclasion, I will, in ofew words, give e aummary of what I consider tol be advantagea in this pled.
Ist. That the boilding formes complete and grand whole.

2nd. That the cloisters would be a mource of comiderable probit, from the fees for tableto and tombs ; would be very attractive to visitors, and by these weans make the leat resting-place of the dead lese distasteful to the living.
3rd. That the ennstruction of the building is proposed to be of aueb a nature, that more effect and accomandation would be obtained for leas money than by the ordiaary meana, and every inch of ajace would be devoted to some aseful purpose.

4th. That the building rould not be lizble to decay or dry-rot, heving but litte timber in ito construction.
5th. That the boilding would be fire-pross. conseqneatly an andual saring of the jasuranee would be made, and tha inconrenieace and ruibous effect Ef fire would have on such as entabliehmeat woold be preiented.
II. J. Smomt.


## TIMBER-IT8 TREATMENT AND USES.

## (Combimed from p.361.)

16. Lagroni: method of seaconing by extraction of the sep is moother that is comsidered well worthy of notice: it coasinte in letting the timber into vertical iron evliaderis atending in e cintern of water, clusing tbe eylindere at top; and the water beipg heeted, oid ateam used to produce to partal racoum, the enp, relieved from the atmoopleric prewoure, onzes frum tbe woad; and beins cuoverted into raprur, pases off through a pipe provided for the purpose. The time required is about ted weekn, and the coos is abrut ten ohilligen per load; but the sap io wholly eatracted, aed the timber fit and rendy for any purpose; the diminution of weight in, with a little more nhriok. afe, similar to that in ceasoniog by the cumanom natural procen.
1\%. Smoke-drying in on open chimner, or the barning of furac, fern, nhevings, or straw, under the wood, हives it hardoens aod durability ; and by readerine it better, destroys and prevente morms: it slao destruye the geris of ony funges which may bove commenced.
is. scorchiog end charring are good for prevenuog and dentroyiag iofection, but have to be dooe slowly, snd ooly to timber that is already thoroughily seamined; "therwise, by encratiag the surface, ite epaporation of any internal monture 19 intercepted, and decay in the beart soon eosees: if done hatily cracks are also caused on the surface: and which, receiving frum the wood amostare, for bich there 18 not a oufficient mean of eraporation, renders it snun liuble to derey.
17. We now proceed th ireat of the ranioos Liabers individunlly, tukiog them to the order of their importabes as nusterials used in baslding.

3U. OAE.-To the oak bao beep jostly swanded the pre-emineat title of the "King of the Forest, and when we consider its bigh qualitien, at well as the length of its exiatence-10 the tree and in the timber-we must approve of the distinction, and give it in our autse of timbera that first place to wbicb it is so bo nourably entitied.
21. Ihere are sereral mpecies of the oak, and they difer very cunaderably from ench otber, both iu appearance and quality: noma sudividual deacripion of them, therefore, is necemary.
 kiada, nemely, the cummon Brainh and tho sesmile-fruited, the furnuer of which to moat plentiful in the omuth, and the latter in the aortb of Eaiflaud : the tirns is the noot esteemed, and that from Eumex is conaidered the been ibat Eingland affurds ; it is a atiff, strajubt, aod fine-grained wond. Wul, yery few hnurn; the rafting of its leaves 18 irrengular, with rery litile tuchtostalk; the stalls of ise seorns are loog: the wood is often reddush; the larper transerse septe are pleotiful, end produce large tlowers: it is eroioestly adopted fur the purpaises of the carpenter; it can aloo be uplit readily, and makes lathe of the beat description. boith for thlag and platering. The segolle-fruited is the baddomer tree of the two; it hos likemise shese marks of cootradisudction: its leaves have long foap-stalks, and are less deeply and more regularly sinuated, and ite seorns are almost withoui any stals; the wood in darker sod has ferrer sepie; in glone and smouthbeen of graio it somewhat rewemble the cheucont, and raceeds it in hardness, weight, asd elaticits; being very wugh ad dificalt to read, oak lethe sre mildom ased where it prerails; in the seanming it is very liable ha warp and aplut. Buath these uaks require long seatoning by the ordinary mode to tit them for the purpomev of juinery, but steaming and boiling are adupted with edvantage.
:33. Jhe l.mumb Cak, eo called in Deronwhire, $w$ here it is cultivated (as well an in Cornwall, Somersetshire, \&c.), is ao evergreem apecres, of rapid and large growith; straght and handsume, compact and bard, but not so durable ts the comuron unk. The Incrman chak, beloaging to France and the sweth of Eagimen, lecepe in folisge luer thad the Englinh ouks: it is inferior to them io com pactben and atremplb.
24. Of the American oako there are the red, the white, the blunt.lobed. the lise, and the cheatoubletred. 'The whicu carh has the preference in Americe, both for booe-cerpe.

