hin firmane bie femily and bie ancerenots, the Hed enturation is-tbich betwep held by his profemional bretbere; ad a prise whiek hermight fief se moek pride in secepting. no they ind in ehing it Nor were they.
 membar of the Preach Inatieute, and Profesion of Arehilecture ta oif of the more receot, and tho boped one of the mare ewigbtenod, inationtionse of the prement day; Ifo had bee moverely thitied for aome time; nd, thewfore, had no opportunity of knowing the wiah of his colleagues to preeent to him thio medal: and their gracifcetion wan inarmend by seping bim aphin is beallh. and rigour. Ilis lordship is conclusing, aguin exprovied the extreme plemoure, ratiufaction, and happinese be fele in beiag the medium of coavering to Mr. Domidson a Leatimony of
the eatcent. and regrd of his profesaional brebhren.
We need ecercely ey thic eddreses was roaired witb areal epplane.
Profenoor Donaldion, on rising to achnowledre the boocur conferred upon him, wras phooed moot marmily by the meecting. He Sheeld hava been ghed, be said, ifs, with prois dows withert apeaking s word: for words rere quive inadoquale to er press his sentimeato mo thin occasiop; but he should be corry if his whence vere to lead to a ay mininterpretation of The gratitude ho fely for the high honour canlorind upos him, and more eopecially in rogiving it at the hande of his lordahip, who wad over been the great friend of the inati-
It wan no ato. It wan no beary iwenty years aince Weleet that anchicectuss and is proleseors had mithat position in sacinty to which they were muthed. The memberse of the thres " learned rolonaions" had peeuliar adrancages; asd pundy whilecte were eatitled to the like dioToten. It was true the merobers of the ont ionpertant stadies, and carse into the parld aflem gaiuio a boooure and diutinction; hiad them: They aho had to parchyects haynigg the inlesior departments of their polation, and aleo many years abroad in the pody of the principlee of ancient art Such or traved was nat deviod of danger), enuitled vem to an equivalept pouilion ia cociely. fith that foling ithe Jonctute was proposed; olordchip, their President, shared that feeling, sarequenty achiered the utroout aucrees. In peaking of a topic of theday, which wat is every Se's mouth, he might perhape, corppure that setitution to the Greas Exhibision, Dot oepinly in the sature of the roome they oceupied, at in their diversilied contente; for the bonoIy and correapondiag memberi of the lastihie had eent, for the iontruction and delight $T$ Uhe members, wost interesting contributions; bolke, rrints, and drawinga, of the greateas blae, from every country of Europe, and inmes eud that arohikeets had not rendered full stice to the deeigeer of that wondrous edi. abilos in juatice was not dome to the progavios in the securation, He, like all bis therever it was to be found; and certainly te ligheea credit tra due to Mr. Paxiono 4 muat be recmembared, howerer, thas Mr. cuxton tee a man of one idea. Brought up 5 E gardener, he constructed with the greatest prevuity a baildipg for the reception of that oblo plant the Victoria Hesia; and finding in an a conatructio capable of extencion, be sultiplied that iden till he produced the grees pee could deny that this was a happy idea; nat conoidering the acientific akill of Memers. ox and Hendernon, the valuable suggeations of Mr. Barry, and the artiatir taste of Mr. Diwen Jones, is, must be felt that to such a rombination wo were indebred for the mont rucerasful ediflice of modern-tizaes. One ad boen engeged for many yrare in the
inetruction of the jutior members of the profeasion; and foling a poeculer plemero in boing to sesocieved with the fremiasee and ardour of youth, ho could not bot
feen a deep hoterest in thoir velfara ls heen a dieep morent in thos welarh is row, ane it mel deepty regreatied by the council of the Inecitile, that the fomenter branches of the profemaion bad not reepondad to the appeale agede to thecs by the conocil and the membern. They woald do weh to imitate the course of stedy partuad in the learmed profesione, the jounger membera of which guived uaiversity and cther hoaows, which wete afturwirde of the aresent ralue to them. They mirght be acoored that the devigne submitted to them in comporition for the Inatitule prize were worthy of their mont carda! study; serl sotbing could be more gratifying. as an asmarnct of their future auccemat than she abibity to say the the coember! of that body,-their meniors in the profestian, -had
rewarded their eeriy etudies. Spetb bonourt rewarded ebeir early etudies. Speb bonoart of athers, whilet they enatbed tbeir recipiente to offer themselven with arrster adrablages than othere could, in ang aituation in which they might wish to place themeelves. They, the senior membere of the profension, had done all they could ; but they must look to their succencory to maintain and elerate ite character in the nigbt of Europe. He feared he had purtued the subject too far, but he could not avoid inspressing these views upon the aenerous energies of the jounger members of the profeasiun. He would conclude by expreasing his deep cense of the honour conferred upon bim by the selection of his nanme on thia occanion by the Inalitute, and by the confirmation of that election by Her Majeaty and the Pribee Albest. He ahould ever retain a deep mense of pratitude for to bigh a distinction, and his beat efforts would be alway at the service of the Iastitute, to promate ita interesta, and confism
A liberal display of draningy, printe, and illuatrated books, attracted the attention of a crowded meeling; and we may eapecially men. ion a rery choice collection of autograpia ex. bibited by Mr. Robert Cole.

## MATTERS CONNRCTED WITH THE GREAT EXHIBITION.

Porilaned Coment Beems.-The erbibitora o! the Portind Cernent Beam, mentioned in communiration nigned " II. B.," in our lat number ( p .324 ), wrice as follows :-

In noticing the beam of hollow bricks and Porthand cement which we have erected is the outside enurt of the Great Erbibition, your correspondent discovers that no leas than four courees of the brickwork of the said bean eve interworen in every coufte and uader evert brick with atrong boop-irod; which inducso him to atigmative the whale experiment 18 a mere force, and to suggest that the Ruyal Comenis wioners abould have the whole deception at once removed. He then rufera your readera to a lasge wab of the mane cement, made by asother Grm, very near to our beam, and recommend it to their inepection; hut had be leeen an inspartial eritic, he sbould have read the notice affired to the berms, which is to the effert that this beam. constructed of Porthend cement and bollow bricks. is identical in size and general charecter with one builk of comemon Tricks and Roman cement by Mesera. Prancia, White, and Co., io the year 1836, at Nide Himes, and which, fler atanding cightien months. way broken down by a weight of $50,000 \mathrm{lbw}$. The notice aliso refere to Geaeral Paley's rork on Cemens, p. 104, which doecribet that beam buill at the augateation and under the adrice of Mr. Brunel, who baring. in the year 1835, built one himell, in wreseribed 10 Mesura. F. and Co. the dimenasiont of thin beam, and the wey in which the pieces of boop-irsa, fiftees in number, should bo disposed. Everyloody knowa the exian so which iron bond is now used in ralle to gire them additional atreogth, and while we fully to try the atrength of a beam oo booded againit
one ritbout iroo, it is elear that sucb was not the incention of the preara/ erperimint. On olferet wae to theit the errength of Portimed agaiant Roman cercest, and the only way to do this tre to trild a bean under the invec conditione at the Rumen cenernt beeca abore roterred to.

With this erplatation le leare you to judre thether is be right to prosonve this experisespl a deception. The aubatisation of bolle for common bricke in thie exprimenk omiy eerres to give addeicoal iotaner to it though it places us at some diendracion in reapert of the surface to be cemented.'

We get the following from the Enponivor.
"Thn Beiker-Hown.-To supply meno for the qratuitous use of exbibitore of "mebient in potion' the romannione fe srected a boilerbouce mithour the Giren Buidinat, on the woth and of "Rowen-row,' at a divelanca of 155 feet frocn the Dorib-wert maghe of the Pulace. The whole length of the buiber-house is 96 feet from centre wo cenlue of columne, and the width 24 feet, the prisciple of can. straction bring the mame al bat alopled in the 'lodumind Palace'-castiron columos as interrale of 8 foet and 24 feet reapectirely, and 24 -fect indlin-girders, forming the framework of the structure : While, instend of riuse baarding at an inciosure, 9 -inch brick mollo are aubstituted. Tue buidding is diribed ia:o three cocmpartunente by two cross-brices wall of ode brick and a batf io thicknets, whirb support a capacious cold waler lank. The lergeat compartusent, at the eant end, is for the woilers, being 50 feet in length; the mid die compartmenh, intended for arorea, 20 feet; and the -estero comperument, ales for atores, 26 foel in leagto reapectively. From the lered of the ground to the top of the treilio-girdere is 22 feet 2 inchee. Over the buile? department the rooking wis be of coprugnted if son, Whereas over the wentern division Mr. Partun nala and forrow' roofing, exactly ti:nilar to thet af the gepat building, is in the courve of coostruction. The tant is formed of reatiron plates, boited cozetber by means of incernal Aanget, in the ordinary way. It is 21 leet nquare. and + fees 6 inches in depat ; conmequently will coatain rather more than 35$\}$ tons of wier. There are allogether five boilera, all met in brick. work: Lhelargest one is in the middle, aod is from the work of Mensra. Galway, ar Mlanehetier, consideing of two large horizontal tabiet or eyhndere communicanog with each otber at if feet 10 inchen from ibe front of the surface, and at the other end four rerical itulner of 8 inchee diameter, passing from the lower to the upper part of the boiler, and 10 conoidical zuber for the same purjose; the whole lengith of the boilet ieing 13 feet, ant the diameter 2 feet 4 incbes. The smaller boiler", two one. eacb side of that slieady mentioned, are of the highpressure multrtubular constisuction, as used for locomotive engines, being 3 feet \# ibchen in diameter, and conaistiag of 11 horiznntal tubes, each of 33 incbes diameter: a cast-iron bracket is riveled co each side of the boiler, to secure is to the brickwork, the flame firms acting on the bottom and sidee of the boiler, which is supiorted intermediately br iuo crome walle, and returning through the tubes towards the chimoey, which is fixed at the furnace end of the boiler. The chmoney is constructed of iron plates, riveled together, beling circular, of 16 inches clomr diameser. and 21 leet hize. The pipes to ronver the steam inso the machimery in motion department art of cat-ifon, of al inches diameter internally, connected to getber by fanges in the usual wat, and coated exterpalls with fell. The underground channel for shese pipet it formed by foondation of 3.incb paring, on which are built dwart g-ach sides of brirk, in cemens, 21 inclies bigh, ibe -hoie being corered at tnp by two plante, the lower ove of tinches and the upper nae of 3 inches in thick dess reepec:ively.

Effret of the Estibition on the Operatires. - The Times maled the following remarke:" It is a question of derp and geveral interest han the Exthibition witl tell oo the manse", partirularly on thone who are somerethat prepared br the nature of theire amploymenta. Alt bas beca done that con be done, and it now enly romains to awit the

