## RAILWAY JOTTINGS.

Thy opening and namiag of "the Royal Border Bridge." at Berwick, by her Majeaty and Prioce Albert on their progresa to the ancimt palace of their anceshrial famly at Ediaburgb, may be regarded an the main evwal in railway progreat during the week, end an "the tast act of the C'inion" of Baglaod vith scotiond and ite hingly race, as courty ceseractom have arelly yet decoroualy atyled it in the flowery language of hypertiole. The eooat ruction of the parrow old hridge of Jamen the Firti's time wal ajob of 'wenty-four reari' etanding, carried out, it in alleged, with the mere intereat on the inatelmente propeid by the Trearery io the contractore. The precent ito pouing structare was thrown ecrowe the Tweed in not much more thañ it many monthe, athough it eontaina three times the amount of material and workmanship. The Queen, atuer viewing the vieduct, wan pleased to vestify her senme of the eminent arientifie akill of she enginzer. Mr. Siephenmon, by offering bim, thmugh Bie George (irey, the honoue of knighthood. Mr. Siepheoson, no daube fu:ty appreciated ti.e homur so rracefully tendered ho ripaly to ecience, bat gratefully and rewpecifully deelined it.

The leash of the vialuct is 2,160 feet, and ite greatert height $1: 26$ feet 6 inchen to top of parapet. It conslate of 26 arrhes, rach of 61 feet 6 inchea span. The recoainder concinte of a maseive embankment of 700,000 yarda of earth ork, deneribing a curve Lowardi' Twodmorth, and being at some placen from aixty to eigbty feet high. The material of the riaduct is stone. with brick in ecment in the inner part of the arehes. In the whole seructure there are 1.950,000 cuhic feet of masonry. and 9.500 .000 breks. At bigh water the Tweed is bere imenty-three feet deep. The fnuadstiona were of a vert erpenaive and differalt character. In the execution of the coffor-dams, Namyth' patent neamp pile-engine wan used, with in engine of Afty-bome power for pumping whter aut of the damm. IXlea bave been extenaively used, the ground priacipally bomag loom and and privel. No lean than two years wete spent in driving the pilea and lariag the ander mananry. The eontractor et one time employed 2,000 mea in the parioue departonents of his conrract. The entire coet of the viaduet. amounting 10 about 200.0001., bay bren borve by the York, Newentile, and Berwick Ralway Company.-Mr. John Dabson, the archusect of the central itation at Sewcastle, alao opesed by the Queen, forwarded to her Majeaty, it Castle Howard. a hook of five drawingw, illus. intive of that building —. The aise of the new nailmay bridge aver the Wge. waya the Hereford Timen, will be a nort dincance below the old ove, and the supte material will be iron, the piers of iron sube flled up with concrete. The Brat ohjecte that atract the notioe et present are the great and novel worke constracted for rinking in the river the cent-iron pera, the toondation of whith is upon the solid roek at the botiom of the Wye. The piert on the hand aide are 6 feet in diamecer, and thone in the water $B$ leet. They are boliced together in mectiona and will be filled wilh concrete. On the tnp of these irnn-caeed piers will be placed the roardway for earrying the urains of the South Whalen Ralloray over the river to Glauceater; but whether it will be by a tube, or hy - partiy auspended medium, the epectator bae no meana of ancertaining. The erreatent dusealiy in this new conetruction at Chepatow appeare to be from the water pouring so teat into the iron piere that it requirse e large steam-engine th pump it up.-A proupecten of the Briwn Ferry (Nemb) Docke scbeme han been iasued by the promoters. from whicb it eppeara that the total sum required to make tha docke and wharia, aceording ito Mr. Brosel's empronte in 15,000 . of which 10,0001 . are to be furniebed by the Vale of Neach Rail. way Company. Lesping $33,000 \mathrm{~N}$. to be raised by the perties locally interested in the opeculation. The Vele of Nesth Rayway worke are, it is said to be now pronecuted witb renewed rignor. In ebort cirne ten miles will be Mr y for the lagiog of ithe permanent way. Mr. G. Henneth, ol Erietol, has whea the contract for making the hridgea uver the.Neanh canal ind Neath river: almo for thrs erection of tho riaduce near Cedontion It is in con-
and Foreat of Dean tramond to eanvert their line into a locomotive one.- Pepert, it it prevent the Dover Company from opening the prevent the Dover Compeay from and Hastiage Liae, on the ground that the line as constructed does not agree with the parliamentary eection. On the ather band, in ajunction hee been ubtained, probibiting the company from paying any more dividend until asidline ehall beve been opened. The company are therefore in t true American "fix." Goversment is reported to have mede the longexpected grant of 100,0001 . to the Waterford and Limerick for conatrueting the line to Waterford. -An iron bridge on the Erie Railway broke down on the 318t Jaly lati, under the weight of a train with 113 oren and come eheep and piga. Several men were killed and tany of the cattle were borribly gored and masesered. Had the train been ons of pensengers a acene of dreadful alaugbter munt have easued. There is something wonderfu. in the narrow escapes made by human beinge in the etill frequent felle of railway works. It is not many daye cince an eqnally narrow earape of hundreds occurred at the Bricklayere Arma seation. Iron-wark aeems to be all going to atick. Pity it would not, in many insadecen, fall back iato stones and hriekaA commituee of dukes, lords, M.Yn., profesaional men, and obhera hare taken in hand the realiation of a national monument to the late George Slephedron.-Mr. George Carr Glya, M.P., treaurer, and the secretary to the Inatitution of Mechanical Enginreers at Birmiogham, honorary fecretary. The comanitite buge their unquestionable bopes of succesa on Mr. Stephenaon's exertions "in connection with the introduction of the safety lamp," as well ea on (and, indeed, in precedeoce to) bie "elahoration of the locomotive." But, conaidering the all-sufficiency of bie renown as the eleborator, or, as we long since equivalently designeted bim, the maturer of the locomotive, it is perbape a pity that many who bavaconsciention doubte of bia priority of elaim to the iovention of the asfety-lamp abould have their desire to hooour the locomotive maturer interfered with hy amoot queation on a point of certainly, in this cane, eceondery, though io itrolf atill great and decided owerit and importance. Tho euccesm as well is the grandeur and eimplicity of the idee of monamens to the creatice geniue of the iron boree may thut be marred.

## RE.ASSESSMENT OF ST. LUKE'S,

 CHELSEA.Is is periectly troe, as stated in gour paper of lant week, that the resolution of the byerd of cear. dlani for valalng the pariab by epaid pon-reeiden astreyor. was canried by a majarity of one ooly (being, I andertiand, nine to effit) $;$ it in aleo true that the ventry, ralled and crammed as lt was by "discontente." pasoed a resolation agning meb eppointruent by a large majority ( 1171027 ); bat what weigut or consideration in to be attached to eitber tha large arlaority in the one case or to the Large masjority in the other? I thiak oone.
It aboald be known that the opponenta to the eneasare both at the board of gaurdlans and $a$ the veatry, ire men baving ennsiderable property under compornd meresent (and, as it is believed to be) below la proper valoe. Tbese, with othen, be ving property which they dare nol, erldently, anbject to property bieb to ten direct ad es the case demed wich as the hand directs and ts tbe case decmana, ampurally frel deep miereat in opponeg auch an favour to any one, bat do foll juasties to all. Nothing of the tort, one, bat do fall jastites to all. Nothing of the mort, It is very easy to lomagiae, cat be doar. I the guardians, or an ie proposed a comaniftee of the relry, are to have the re-messting; and thin too. not by eisiting and leopecting the properly, which in the ouly right courne to be pariaed, bat by tiltiog io a room two or three timea e week, and then going over the rite-booke ander the proteace of ascer. unining what boase is and whet houne for nol correctly menem: can jacuce oader sucb circomrancen be done? Ecbo. I thiak, will anawer "(mapoarible." Juaticte, I am convinced, can ooly be dune by exoploying, an the geardians parpose doing, a parochial and properly paid rarrejor. Remonatrancet agrisat thin, it appoera, have been formerded to the Poor Law Boand from the mino. rity of the geardians and frote tbe majority of the
 Comeraisioneri ; bey lanaence with be Poor Law Commizioners; they, and they stooe, have now wo docive the macter, aad activg wilh rigt jodgment. coon I boye to bear that the mandate has been
parish," wich no apprejodiced mad, I am eure, deay will be for the parisb beoefit.
It in abacid what expediente men mometimes here recourse to to obtain their owis enda. In the present case the doctrine Laid down by the compoundere and elr rieade is, tbat none bat persons sact at hoonciva are compecent to rerise the ameandeal; that wo or three yeare will be required to do it ia; that thet the eppenla vill be gadlese, aod coneequencly the expenee to the parish endles. It in undecesaary the axpence to the pariab endies. Is in andecesary to infore the rempajere of Chelime, and the rele to pajen of ourr paribes, who may wish to have
 oppantion on ube ercdality of chone wom is in addrued. Joat the reverse io the cave. Competent wen can be foand wbo will do the mork ic eight montie or lese for the sum of 5Lit., and the pariab suareotoed troen all ex penses athendiog eny appeale.


A Ratepayal of Chllban
ST. James's CHL'RCH, HOLLOWAY.
Some works are going on bere which would drive atanch occlasiologint mad, and eertaing can benything but iatisfactory even to thoue who atach lesa importance to forms and aymbolinm, but seek airapiy for propriety. fit nees, and beaty. On lookiag into the building the other day we at firat thought we bad got inco a buge warebouse, but ultirozely do corained it was in progress for a concert-room Two ciers of enormoun galleriea, beatiog any of those we know of the worst daja of ehurebboidane, are being put up; the argan is ahore tha alar, and tbere is to be a gallery above the orgen. We obould have expected better thiagefirom the large and intelligent popuis. tion of Holloway. To reproduce in etone, too -uch couldinge as those which odorn the clanaic eatrance front is a sad waste of money. The contemplated outlay ie about 3,000 .

## B00\%s.

Ploughing by Eteam. By Lord Willovoriay De Enssby. Ridgway, Pictadilly.
We do baliere thet en era of agrieultural dovelopment, ae reet and wanderful ay that wbieb the preaent age has already witheswed in manu. fecturee, is not only within the bound of possibility, but on the eve of advent, -that a tirne is at hand when our preeent primilive apricultural iaplementi will be pat away at cariosities beaide the diataff and the apianingWheel, -and thet the alleged. diacovery by Daguerre of a mode of cearing tbree-jear plante In three months, - the reported power of some of our market-gardenera to rear a ated (like a mushroom) in a aingle night,-the alleged power of the dapantoe to dwarf the lofty pine into a coininture tree, a few inchea only in bejpht, the treditionel atory of the monte of Glatonbury Abbey, who could make the hawtham bloom al Chriatman, -or even the trick of the Indian fugglers, who appear tu cebna a mango seed to apring up out of the soil in conree of efem houre, and before the eyea of bundreds, unfolding leaves and fowere end fruit, - are all bot, at the worst, vatieinary imagininge, or rodimental typifying ideca, of ociual povers of valure, scapcely les: wonder ful, and yet to be deceloped; junt as wat the old traditional idea of the magnetic telegraph of aeparmira friends, with ite needien and alphabeta, but without any record uf ifs in vioible cannecting rire, - alone wanting to rentuce it all to credibility
Believing, at all events, as we decidedly do that a great era of agricultural development is at band, when even the oteam-plough, as it at present exists, may be a rude implement, it is intereating, in such belief, to witneas juat aucb beginoinge of this enlicipated era, a *ere the firut cleam-enginei, or the frat eprianing and weaving maclinea, in manufacturoor the focomotive with legs, like a borse, in the milway iyatem. The ateam-plough may, even yet, be juet such en implement, with relation to agriculture ; bat cetsainly, whatever be the upehat, or whatever be the merits of thin particalar lavention, agricultariate are deeply in debted to Lord Willoughby d'Ereaby, for hit continued endenvoun to elevate their position and improve the meane of their peculiar mans factures.
Tres itemosplough describod and illontralad

