surrey bee fully confirmed that of Mr. Lloyd, and proves that there are no obotaclet which aggineers and contractors of the present day could not enemunter and orercome without moch dificuly and expesar. - the dimiculties being monre of a pecitieal clagacter, and to be
dealt with by antesmen rather than by engiaeers.

## Rem Hooks.

Engunerring Firld Noles on Parish and Rail. may wirreying and Lerelling. By Hesa James Castig. Simpkin and Marshull.
This is a work of cons derable importance in practical engineers, inasmurh as it supplies them with a fund of useful information in reference to general surveying, but particularly so as regards levelling ind the luying out of railwas. The imprestion before us is the aecond that has been required, and is dedicated to Sir Richard Bonnycastle, a geatleman of bigh ecientific allainments, and emineot as a urneyor in dificult and almost inaccessible focalaies. The author bimself is adran tageoandy known to the public, not only on secount of his acientific lebsurs, but from his estensive experience as a prectical surveyor in the woody regione of Canada sud eloewhere. Our spece is too limited so admit of extracte as specimens of the manoer in which the book is got up, but we may state in genersl, that the typonraphy is good and the language sufficieally perspicunus to be enmprebended by practical men of even the meanest capacity. Tbis speak is commendation of the work, for modern writers, through the vanity of display, are apt to treat their subjects in amanaer that can ooly be anderstood by men of acieace and estesoive mathematical reading.

The work is divided into five parts, and sab. divided into chapters, each chapter giving a lueid detail of the subject ander consideration. The directinas in Part 1., ou runoing the bave lione and carrying on the range in case of obatacles, are particularly valuable, and worthy of the reader': arrentive perualal; and the curveye of Hendoa, Fincbley, and Wig. eton, with the metbod of plotting, cannot fall, if earefully conaidered, to impart correct and extenaire information in regard to those very importat topics.

In Part 11., where the mode of surveying by the theodolite is given, much uneful matter is contained; but we canoot help thinking that the chapler on trigooometrical problems might have been exteaded with very considerable ad. vantage, as there are many cases which occur in modern practice of some dificulty, that the author hat not alluded to; and be mixh, with some show of candoup, bare acknowledged the source from wheace lie obtained the principle on - wheh be grounds hia nolutions. We are somewhat cognizant of this subject, and beg leave to refer our author to an early number of Culburn's Cnited Sertice Journal, sad say if the iden did not onginate there, although the writer a name does.
Tbe
The trigonnmetrical survey of Hamptead Heath, as connected with Sireutham Cummon, will be found purticularly uarful to young sur: rejors; but we are futced to asy that the exampla of triangulation, given is chapter 10 , Part Il., is not grod; many much more in. structive and interesting examplea might have been eelected from the "Urdnance Survey," and the author would not have depreciated the value of bis work by producing them.
Part III. explaine the method of aurveying by the circumfereator, an instrument, which, a improved by the French, is sikely, in nor present extenative operations, to come into very general use. Part IV. is on levelling, one of the most imporsant and delicate branches of Feneral surveying: the author's monde of Ireat. ang the sabject is perticularly judicions, and
young surveyors will find their advantage in ettending to bie remakk. Jart V. trents of raileay curves, ad the mander of ataking them oat. This is an important brasch of modera engineering, and cannot be too carefally aluended to by the aspiraoth to conatractive fare. The work coacludes with an sppendix, containing feld-Dotes, and a traverse fermetor; a mode of practice which we anticipate will meet a rery ceneral appliance ia
anbequent operation in the feld, as the in. atrement in very nimple in ite condruction, and essily undertood.

A Popular Allas of the JForld, Jllustrated by Ceogrnphical and Sustistical Descriptions.
Edited by Janes Wv vip. London. Wijld, Edited by Jases WV Yi.n. L
To Mr. Wyidd, one of the moat enterpriaing of our map publishern, the public are indebted fur coastant attention to passing evento, and the aupply of the beat information in his depart. meat. at the right moment. The discovery of a new islend, or the succese of nar arme in Iodia, is no sooner announced, than Mr. Wigld issues a map of the locality, eccurately though specdily prepared.
The work now before un, to its name explains, is of another kind. It is an endeavour wiplace a first-rate athe withio the reach of all, and deserver to be supported. Each montbly No. (of which there are to be \#4) conuins two large maps and illuatrative letterprese at a very low price.

## correspondence.

## PIABTERIMO OX CLAY wathes

Sin,-In different perte of Eagland there are cottages built with clay, and when newly plantered and whitewashed, they have a very it doppearance. But the milfortone a weather somn make the plater break off from the clay-walls. Now the object of my tronbling you is to know, whether ans thing can be or has bean invented to remedy this evil. It is an ionportant queation, and there are thausunds that will be benefitted by a successiul solution of il
am, Sir, ze.
A louno Amcmbtect.

## fiscellanta.

Union of Chinrae Mabone ant Calpin-Ters.-After the rerent pxirnordionry feat of British alscrity and valour in the taking of every fort on the Canton river, and the spiking of shout 500 cannon by 1,000 men, without the loas of a aingle man; a proclamation was issued thy the Cbinese gentry, \&e. of Canton, intimatiog, that as the Engliah barbarians wished to build a temple for public worship; and ulan, across the river in Honan, to take posecestion of a tract of ground and to build a fort, the great body of masons and cerpenters in the two cities (the old and the new) of Canton, bad beld a public ennultation, and agreed together, that if the Eoglinh undertake the prosecution of their workis, as aforesaid, the men employed in these trades shall none of them be permitted to engage to complete their works on their own remponsibility. And if at Hongkong, Macao, or I'baropos, there ohould be men whe are wiliing to undertake it, the penple of nur two trades will make it their business to eearch nut every workwan of this sort by name and kill him, and to notify the inbabitants of the distriet to bum up the dwelling of every man who ventures to assume such a responsibility, which will be dnae with. out the leat delay.

Frefunsons' Asyium. - At the twelfit annual featiral in aid of the fund of this incipient inatitution, held on Wedneaday week, in the Freemanon's Hall, (ireat Queen-otreet, Dr. Crucifir stated, that the comnitlee proposed at noce to erect the long projected anylum,
and intended in the ensuing month to submit. plan to the grand lodige for the purpose of carrying out the object of the maociation, by the itinsediale construction of a suitable building, towards the erection of which 4,116 b bad al. ready been coatributed. He subsequently annouaced that 500\%. had been subscribed at the dianer table.
Association for Thetino new Inventross. - An idea already brosched in $\mathrm{J}^{\prime \prime} \mathrm{hr}$. Burloger has, it appears, anoumed a prectical form by the eatablishment of a complay in France, " for the purpore of atadying, conuructing, and experimentiog on new iovertione enanected with locomotivel. A correspoodeat of the Mining Journal uggeete the utility of such an association in Eogland for the redemption of really valuable iaveationa frow nefleet or dificelty and oblivion,

Qisson's Btatue of the Quenn.-Tbe silence which prevailed in respect of this long talkedon work was eomewhat carious. Re port asid it had been loat at see no ite way to England ; in rath, and is now in the Royal A southy. The Roman Advertiver Royal Academy. The Rome fatue bas given "wo articles on the statue, from which we learo that the culour, applied aparingly in its decnration, luas led wh content of opinion. We extract one or two paragraphs. "Tbia work has become an ob. ject of much attention from the atyle in which the artist has completed it details, with the use nf colour in the ornaments and embroidery of the dress. W'e need not dwell upon its beaties, except to mat that its completion hat entanced those which, when in an unfinithed state, were already so distinguishing; and that in majestic gracefulaens it not only raises the subject to ite higheat ideal without sacrificing truth of resemblance, but is a perannification of the royal so obvious, that if discoreren centuries hence, we believe there could be on hesitation in recognising it se the statue of a queen, even without the tiara, or any other theigais. We felt anme alarm for its repula. tion on learning that it had been coloured, and visited it egain, douhtfol of receiving an imprestion so agreeable se the first. Hut the application of coluur is so delicate, the inne on suhdued, thal no effect of plaring enntrant is produced, and the pale purity of the marble does not, as a whole, suffer from the partiml tinting. Nothing more is coloured than the rim of the tiara and the dolphins that ornanent iss circlet, in yellnw; the wave-formel embrnidery of the robe, and the rose, oham. rock, and thistle at the corners, in red and blue; the acoras pendeat from the extremilies, where the Greeks wore weight of gold, in yellow." "The statue is one in which much detail is istroduced, is which the effect sought in that of the majeotic both from characteriod position. In such a one, where ornatnent' is befiting, and richness, at far an suitable to neulpture, an aitribute of propricty, the introduction of colour partially, and under the enntrol of so refined a toste sat this artictis, doen not (speaking froni our own impression) jar agaiust principles, nor apprnach so near to the rral as to prejudice the ideal of the eulject Though the det til is rich, it is inftened almosi to shadowiness, and not much nearer in the glare of dyed draperies, sis aetually worn, then the paleness of the marble to the warm hues of the flesh. It adde so mueb of the effeet of apleadour to the figure as to enhance its abstract character, that of female royalty, ratier than destroy ite purity in general effeci."
Overasch (says a correapondent of the Daily Neves) hat juat executed nne of thoue griceful and tnuebige little outine drawings in which bie real genius is conspicunus; and his present effort will be shartly known exten. direly in Edinburgh. Bishop (illies, who is personally a most amiable and kindly man, full of zeal for bettering the operative classep, has founded, it appears, sort of holy guild in mondern Athens, and prizes are given in thote of the brotherbond whe exerl in "thrift and eleanliness." Uverbeck wat shed by the patriatic prelate to furnish the design for a medal to be distributed on these ncrations, and I have seen the result. It is the hally dwelling at Nazareth diaplaying a modeat but noat intetior; Mary is at ber distaff on the right, Jomph plying his axe on the left, and the myatrriour young indweller among men in from yengeged wreping the clips or wond T'be general effect it harmonious and beau. tiful.
Ahprations in Whatminster Abelev. - A correopondent of The ITmes complaila, that the alterations for some time contemplated (not in Westminater Albey alone) for the laudable parpose of increasing the accommodatinn of the public at divine service, were only delayed till the furce of public opinion againat them had attled down, and that the plan of removing the screens hetween the transepte and the choir, and filting up the former spacea with senta, io now being carried into effect, althougb be conceires the nave to bo the proper place to be appropriated to than parpose, the anly obatacle being the organ ereen, the architect of which objecte to have it takeo down.

