Catimg Metala and Metalhic Com-novnde.-Mesers. Morvwoed aad Rogers have apecilal their patens for improvemesio in the manyifcture, ahapiox, and costing of motals, and in the mean of applyiag heat. Theoe ieprovemente consist of a method of conting ine vith had; a mode of coating sinc, or Herd alloge of that metal, with bad, tio, of tloy thereol; the axtanaion into aheele of cinc conted with lased, \&e. by immersion; the 0 of and, mixed with aal ammoniac or other caitable chloride, se a llax, theo conting metah auch st inon with sioc; the use of a Fighter metal tlosting on the surface of a merier one for costing purposen; the conting of wire, wire chaise, \&c.; the manufacture of tubes from bleck iron, sad conting the ame wish sime or other metal the forming of frooven, or indentations, in the ende of eave and otber gutcers, by which they will be strangthened, and the facility of uniting lengtiba of them sogetber incrased: the producing of - late of Glutes, across the ande of plates of corrugated iron, in order to facilitate the fermainon of jointe vhen reveral such platea aro employed for covering roofo and other emilar purposes: and latly, the faxing or ocoploying a fan or blower in the fue of a furrace for melting motals for conting purpoesen, It e, point ater or behiad the fire, in order to drew emay the moke and producte of combuntion.
Sinollar Accident on the North Kamt Railway.-On Seturday leet what is coosidered to havi been a waterapout pasoed oner, or rather poured dowa, deep sbaft emmanicstiog with the two-mile unnel eat throay th the chalk hille extending from Frindabory to Higham, and not only flooded the line of railmay now laid down in the old line of the cenal Lor which the cunnel was cut, but wached down both the brickwork and chalk in sucb quatitie a completely to choke ap the line, through which a pemenger-traia wat rumniog th the moment. Haring an attentive driver, the sagine was stopped just in time, and the motion reversed, so that most fortuantely no cose whe injured.
St. Lukg'b, Chelben.-Buting of Casmoner Gardens.-Op Salurday a meeting of magintraten was beld at the board-roam for the parpose of bearing appeals againet the Dew maceancont made by Mr. Payne, the curreyor, uader the direction of the Poor-law Comminioners. Mr. Simpton, the proprietor of Oremorne Gardena, appealed againat bis acessement, which had been increased frow 2835 to 740 . At the last siluing the appeal ran adjournad by direction of the magistratea, with a riew of the surveyor coming to so amiable arrangement with Mr. Simpion. The surveyor now proved the data from Which be took his raluation of $7+01$. Mr. Simpmon agreed to be amessed at 450 L but submitted that the tep ought to be sepamited in the asesument from the gardens, tho latior being open not mare thas from four to Sve months during the aeanon; and as the raten is Chelees rere made twice a year, that if ter hardly fair to caddle bim with 1 swelvemonth's rele : upon the whole of the property. The beech, afrer some conaideration, sotuled the makeniment th took.

Coveri Patent Rack-Dhllino Ma-chime.-A mock drinting macbine, now at worts on Taplor'm Ledge. Somervilie, United Statem, is thus dowcribed bj a Boston paper:"The sonebins consiats of a swall aprighe boiler, placed on wheele sont to be exnify mored from place to plece; to mhich is atreched a small manergitie, so contrived that it can be set in anj: required ponifion. The piaton-rod of the eogiae se made hohow, and brough thin and the crost-head she drill pimee perfecty free. In the cross-bead of the engine is placed a simple apparatue for ceising taring and throwing the drill. The mocion siren to the drill is the came ta in hand diflling, where the 'charo-drill' of 'rannes' in und The mehine utrike from 150 to 200 Blowe per minate, eccording to the activity of the nase power ; and in the peculiarly lard rock of the ledye on which it wes ot work, it seuled a 3-inet perfectly roand bole at the rato of about half an inch a minute. By computation
thin mechipe, is in eaid, will.do from tirtom to treaty men's moris, at in expense of froat three to nix dollarer per day. The probablo coak vill be thart of a thoineand dollera. Is in asid to-dyill a borisontal bole mexaly an a verical one. Indeed, this is one matorial advantage of the machine, that it can drill at any angle, from borisontal to rertical.
An Anchitect, like a poet, is public charectar. His worke are publisbed lor the world, and the world is bis critic. No one roceives paise more univeral when it is merited: and he who laboura for praine must, if he misese is, learn to endure censure. Lat him who may shrink under criticiant, recollect that he is thus ravked among the fioper spirits of the world, and that he bas thrown hill lot, not so an artiean, but for the chance of lanting reproach or permanent fame. The public at large hat a chim over the architecture of a country. It is common property, inasmuch as it involven the mational taste and character: and no wan haw a right to pase himelf and hil own barberout invencione ma mational taste, and to hand down to posterity his own ifaorance and diagrace, to be a atire and a libel on the knowledge and tante of hil age. Highlands of Scotland.

Death of Me. J. W. Aleen.-Our readera will have heard with regret of the death of this able arist, whose works must be well known to all who visit the Sufolk-blreet gallery. He died at bis residence in Hemmeracoith, on Thuraday in lant week, and leaves we are norry to maj, a wife and young family wholt anprovided for
A New Application of Science.-Itia no long time since the public preas of this town had to sall atuention to the discovery of our towaman, Mr. Spencer, namely, the deposit of metals by ulectricity. Much interest wha expressed at the time by the acientific and curious, for it whe meen that a new power wa ileveloped; but fow, if any, realised oven in their on $n$ minde the extent and diveraity of ite commeacial applicecion. We bave now become familiar with the freedom it hat given to the designs of silver-plated warea; but it was Litule expected that, through ite agency, cath iron could be inveated with the beauty of rich intique bronze. Such, however, is the fact. This invention most prove an era in the iron trade, as it opens out a field for its use in articles of orament which it hat nevor bitherto had.-Lizerpool Mercary.

This New Housedouty. - A retarn to Parliament has juat been issued chowing the number of housen valued at 201 . and opwards the number of thowe which pay house-tan at sirpence and ninepeace in the pound, with other information on the same subject. In Eagland and Wales there are 179,234 housea charged at aispence; and in Scolland, 6,377 The amount of doty in England and Wales is 200,182l: 19a. 2d; and in Scolland 5,288l. 11s. 9d.; making 905,4716. 10s. 11 d . at six pence; while at ninepence in the pound there are 252,213 bouses in England and Wale producing 463,2041. 4e. Ad.; and in Scolland, 24,095 bouses at 38,3401 . 17n. 1d.; makind the ninepence duty 501,5451 . 1e. 9d. The total amount of duty is atated at 707,0161 . 124. 6d The return, which was obtained by Mr. Goulburn, contaise the number of houses in come of the pribeipal towne rated at 101 . and other anms

TENDERS


For boone, at Whakidd, near Wideor. Mr. F. Stosh


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## PAPER. HANGINGS, by R T.ARCHBE'S







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