begun; and he believed ibat boren, now mada of wood, would frequently be made of paper, bere man is his miod, an inauperuble objec ion in thila paper duty, and there paper fetters aling ctber. They formed a inx and hurden opon the liternture of Énplaud. He belicerd that twe thirds of the paper monutinctnred were used for the purposes of pristing. 'There what also this sonmaly in the duty: much of our paper (eeprcially the papri of which news. inge of our cotton and fax.millu. There wa nogs of our cotion and on the afticies an rew waternala but thev puid a duty when tbey entered the papur-11ade. 'l'urn cotton into culien, it tras lihe eflect of the rupeal on ther duty on alana. natk was all itmunce of the effect of repernl. ing a dury upon liternture, however Inwly. Hut he held tise mere duty on paper not in lae an grent an evil as the internieddling with the poppertrade. If theopdometic reatrielinns were anold naturally expand. He next forned in an impont on u common hrticle of great and iucrensing: inportanare-he meanl the Fiscineduty on baicku. In this ense, as in the ence of nup, there way inn dist on the manufneture of Ireland. Indred, comparaticty, there was acorculy any duty in scutinnal, ainee nuture bad provided Scotiond with an arsple aupply of valuable alone: Hut.where the daty did fall in Scouland, if was, lyy comparionno the mare appreseli.e. Thindury was originally lampoeed bis Ir Pill, in 1784, in meet the exigencies n rica. At firmi it extended torstone, watla wat
 wos ohliged to yietd. Jle loft the brick duts. shone romaining; but he acknowledged the impulticy and purnality of its chafacter. In fucs, lic mnintained that this was, in the lan-
guase of the Comnniauiunfors of Fixeise for quiry, "among the most nhjectinnatile of the dutien of Fixciae.' Since the glass-duties had been ahulished, how grant bad been the development of that mest beautiful fabric! The window of erery glasy shop indiested that neinner: and urt c:onmbines in improce and in embelliah it. Fery unold auppose that there wan connectinn betwren the apts, and the when it won aok ed in a comiraitteef ion the connection of art with manifacturen, $\%$ which be way clamirman, in 1816) why we did oot make brieks of virious shapes, as io the time of Henry VIlf, and lleary Vill.? the anower Wns, Hat the reatrictings of the Excine prievented is. Ite fiund this cvidence singularly emrolorated by the suluable tenimony of Mr. Wiool, the chairman of the Excine Board in the bast arasion of Parliumens. That fenlteman, in his evidence hefore the Commillee of the IInuse of Lurda, on. The Burden on Lund.' alated that antere af the exelue regula. limus on the manufacture of bricks lad been relaked, and that 'the enmerpence of this aheration was, hat grent facility had been gisoń for making bricke of oen aroentul shapre, and retabling aschitectural ormadents in lie male its loeick, previnusly in affect prohilnited. He (Nir. Ewars) thad no doube that an ordioary atrade wa the bick trade, when emancipated. would be nade still furiser whedient to the purposes of art. He had linited the foreaning sugeratioan so dutien of Customs and Excise. He ad anited the injumtice and impolity of ither dutive slan. The misoow Ditit was nne uf a mos ubeyual and inpulitic character.
The ineurance doty was a taz un the foprnight of the pareot and the reaurces of the lenily sod other duties were, io varinum weyl, ohjee. tionalilc. But he priacipmlly asouiled thone duties which ohatructed or choked up the sources alad epriage of Labour.

Tamben for Esthatind Eabtheworx - Mr. Cliaples silhley, ann of the district-sur. reyor for Clerkenwells and Mr. Rutherford, of Wuolwich, have recensly published ao eluborate "en of salike for entirnating the contenta, in other public works, wheh apperar to have ad Tinntugre ueer otbers, and will be fou ad uñful. the thall iske an eurly opportuoity to louk in thew more clusely.

IMPROVENENT OF SMITHPIELD MARKET
If e have receired, with the following, from a naval offieer nf high umanding, draúinga, ox. emplifying his propoasl, but think it undeeres ary to engra:e theri.

I would sugefers that a platform lee built on arehen, acenpring the whole extent of the preann sire, leaving a street, or road-way, all round, 60 feret broud. That the elevaton be suchas to allow of a piazza of shope all round, valted; that in the centre of the platiormino ar there, nr innre, arehed way shoald pierce height and capacity to receice wateratipht wikpona no four wheres. Tbat leading to the platiorna abuere thare slinitd bu alapink read. "uy at ench ungite whib haluatraden; wat thai the platforin be ranfed io, in mitare conopart mente, apen on ull sides, uuparied on imo pillurs ; one-halfof the space lu be apportioned in the wale of cutte, the utber liulif to the slauxliter af them

Tliat euch of the asid compartmente be Ilonered with hrasd flug, leid in eement, tho wholo haring a alnpe in a porformaino of a fona *quare, curresponding to one of the retural archeg, umaler wbich a waggon, at beruru deacribed, is in the plared, to receive all the dropping and offal of the catlle. That the waggona, wheo full, be semared hr moune
 oufficient fall to conquer the ris incrtio. when the whegons are nace aet in mathon. Arrived at the riter, the cuntente of the wagente to be delivered into hargea, prepared in recrive thent an hoard at noc', sond their contents to be entered into slie barges bye atrap.domer in the centre of the wagloon. Einpty wagrons to ina. medratily supply the pluep of thrse removed. Adtaniages of the Propared Pian:-1. All nuinunce: wald be reanural when once the cuttle asernded the piaturm. 』. The air would ceame to be contaminated, an ell offengive natier woutd be apeedily remored, and previcunly remain corered in wazgeone. 3. The meal, when ready for the niathet, would at nonce be received into the ranlied shopa, and thue pacupe being aliaken when abaptied over the pavemion. the ehopm would he alwity conl, and from both these causen the dirat nould remain sweet moch longer. t. Burinean wnald be iransacted much mnore expeditinuale, and ar less espense, nur wimald there be ony inturruptions from vicious characters. 3 . The value off the manure. which it present runa to wavte, would be such as in a short time to pay ull rxpenes, and return a large re.


The alinte plan io not noly applicable to Landong lume to all inwis in the hugdam, and the offal this made nvaluble no matiure of the best hind, with little latnur ar expense.-A, $n$

## IRON TEXNEL OYER THE MENSI sTR.sITS.

A connkprosurest of the Hizing Pournal calle far further inveretigation hefore the iron tunnel lie put up. Ile ayse:-"Acrarding to
 nof the prints of hearing-gon that 1 jresumie the putire lengiln canrme loe fat shors of 1,0 fees: its diapueter 30 fect. io be cunntructed - ith srrough. iron platis, varying frum $\frac{1}{} \mathrm{in}, ~$ to in, whick-therefore, "uppusing the average thichneres in be is and snelading the neredful ponecrfat ribis ampanas to resias: ike terticnd and anteral peosentres and sfraisa, wethere with the inicrior frinuitigund raila, I estitnate its werebt as uparelle nf : int cwis. fore erery foom of ith iength, ur nhout jime snas: Nou the depth uf the tulie is : We fect, which is ubout strth part of its lrnith, therefore, secording tn ay machine the struin by tu own weight at the middle will be equal in if times ise weighs-vir., 5950 ton -and soppose an Irain with lie engine and loas to be lotit ton", equal to $\overline{30}$ tons-rugetber (a) inil sons. According to Barlowis theory, the safe caparity so reaist nuebo atrain nughi to be manl to les.mily inne; adod to Tredgolde. 2t, (00n tous. Sipw let us see what is the enpacity uif the prajected tuonel, wr whe :-l he propprity in the lower half, is fect. Suppme the plateo urornge fise.e.e.ghthe of au inelo thicho if would gire io splaye inches on each font asy. that each inch would avotain, before
breaking, 20 vone, this would make $\mathfrak{1 5 0}$ tnou in each foot, which, multiphoid be 45. Rivee
 gind the inas, waide. necordirg on thes entriak tinn, 1 ruduce a atrain nearily equal to the birad ing point. Now, wis maublirod will beqia in werech at the mrain of 10 or 12 tons to thie inch, it muat be manifent that little more than hall itil weight would produce e permeneot oet and reader it perfeedly unfit and umafe for the dealred object

## PROGRESS OF TIIE HEALTH BILL.

## In ecenrdanen with the proppect of perea-

 versoce in the drbirpmation th curpr rua the prearot eacaion. Lurd Norprth's bill wo faile launched ialu rnmmitumen the lat is atmoti and, in face al rather sulky than nb ationte "nppomitiaster thac eluove ufier anotber wat telled over into the shape uf incipient to " eisher by majoritien runemp from 91. for ming intu the committer helf, down to 42. the lowet majority fmiond on the highou oppositivs ufferediof nend. cono. obnews do tether sluwite in cluase $\$ 1$, on the Gill itating..Duting the proceres, than mude, fonwerer.two
 ondervilun or madification by Guvernmerat ad ivo others, lurmerly Nion. 19 30d 20 . witm found to have haven amitted' n'bugether. The omisaind of thase wo larter clauser. Lord $L$ ncoln declured would ernder the lintt, in whll hut a lew eabeg. cilher nupatury or inaperthiles, or obip alleged, Irad to the ebachasmon auct "biven of induats!" a* Liverpian and Mnacheater; and aceurdingh, Lord (i. Bentinck, at once taking the credis tu homa-lis of reacone only thot mument enturested to him, declated thei the was justified is, and thut the counder wold purceive law had gand reason for, throwitug hanself a meatuthing Motek in the wey of this biit a and he uecordingly fortbwith called on Lurd llorpeith in abendun at ance mo - beterngennense a niase uf confused and litua. dering irgislation. His Inrdahip (Lard Morpetb), bnereer, assured his nolife friende that at the boundariee of biverpand and Manchapter bad been fixed hy the ciorporation ater of le3s, thoee two hives of industry could at asce have the benefit of thi toreanupe applied 10 them." The grason why Governobert hind thought proper to exclude the twn eatara ib quemtion urae, that the nne cooberred "potrer of extending lomundaries to her .imjery io wha, while the atiser prorided for un increuse With, while the cutier prorided for mincreume eqercine sf the firnt. wheres if wat now enoceived that the mure proper :novle of proeedure would be in patm a emarate Act. analogeno to other hmadary Acte, allowiref the ambitary bill to operate ir the meabtime whrever it properly enuld, and whel it suil wnuld dn:o much more ganeral wrent than was imagio.ed. A. to the millupion in "diatrices surpouncing towns in clavere bith. the wittolrawal of the word wall agrued to, and a onodiñenlutn pra. roised, so ns ntill ta include nuturthe while excluding reral diazricts. He ia propersed tulare hut one puld couna isuioner. the expen-e uf the commission on be cotrfined in dishats, per
 mesoing, is tu lue amended.

In ullusion to much fíasoñable grumbing equiant the exclusion of the nectropilit, L.ord Marpeth explaines that, by the advice of the Healith of Towns Asemecidnats itself. Le had excluded the metrspulitad distrier from the operation of this hill, in order in reduce the riok of eactudiog the ofinle counter till ano ither seanioo: and Lurd Johin Ruserll remarked thut hooourable pentlempn opposite apuke of Thi quention as it it wrie froposed to ${ }^{2}$ hutions, bea the fuct w. . minne the iotertino of the goverumear was, in intruciuce a menause with reapeet to the merropolin in the nexi ben cimit of parliament. Ilonourable pentlemen opposite bad espressed extreme zeal fow the woitery refurm th the metrninglis. ss we the and would no doulit be sorry were the reast alefeat of buth of she ende in win'w. We there fure hoped thes wnuld, bi loast. lie deleated in their prement olyect, at the! mipht rent amorend that the reetropolis iturli, is welt as the coisnery

