## Sansueps to Correspandents.

"Buack litamonn."-We enn butgive you the calenabions as we flid them in our excellent London magnalne contemporary, The Lamp. Few can realize tho bower stored in con for man's use. It is stated as a selentitle fact that In a boller of fuir constritction n pound of conl will convert nine pownls of whter futosteam. Ereh pound of steam will represent ath anmount of energy or enpacity for performing work equivalent to $\overline{7}+10,688$ foot pounds, or for the whole nine pounds, 6,790,000 foot ponends. In other words, one pound of conl hat done nis mueh worle in evaporating nime pounds of water into nine poinds of steam as would lift 2,32 tons ten reet high.
"A UANKER'S CLERK,"-No; Bank of England notes are never re-issued when once pald in to the Bank, but are at once cancelled. They aro then proserved for soven years, so that inquifies relative to furgeries or fratuds on whili the notes may throw lightimag be nnswered. The whoek of pald notes for seven yenrs numleers $0 t, 000,000$, and fils 18,000 boxes, which, if placed side by side, wonk reneh three miles. Pile the notes one on the other, and the pile would be elght miles long. Joln then end to end, nud you will have a ribbon 15,000 miles long. ArFange wem side by shae, nind you may more than cover liyde I'ark with them. Ininally, their original value was over $\Sigma 3,000,000,000$ eterling, and their welght moro than 112 tons.
"N. R. McC.," (Piattsburg).--The'frst treat and extensive raflwis enterprise was "tho Liverpool and Manclester," commenced in October $1 S^{2} 6$, and onened $^{\text {and }}$ Beptember 15,1830 . We read that there were tramways in and abont Neweastieupon. Tyne so early as the middle of the beventecnth centiry. In the "Life of Lord Keeper North," published.In 1076, these tramways aro thus mentioned: "The manner of the carriage is by layIng ralls of timber from the collery to the river exactly straight and parallel, Whereby the carriage is 60 ensy that one liorse will draw down four or tlve chaldrons of conl, and is of limmense bencat to the conl merchnnt." Whe dirst rallway In the U inited States was the Qulney and Boston, to convey grantte for Bunker Hisl monumont, 182..
"STUDENTIS" is wrong There Fere latrs in Irehand under the Penal Code restrictIng education; nny, more, prohibiting it altogelher. Carey, in his excellentwork, "Vindicie Hibernin," iolls us that "To brutallze and barbarize the Irish, to plunge them into the nbysses of Cimmerian darknose, they were, nt one atroke, cut off from education," and we and in Roblns' "Abridgement of the Etatutes," (Dublin edition, page 012, this decree of banishment or death agrinst any Catholic gullty of the offence of teaching school: "If any Papist shall "publiciy teaok school, or instruct youth " in learning in any privnte house; or "shall be entertained to instruch gouth "as nsher or assistant to nny Protestant "schoolmaster, he shall be esteemed a
" Poplish regular clergyman, and probe-. 4 outed as such, and ahallincur penalties "and forfeltures as any-Popish-regular: "conviot In liable unto". Children of geronta ublected to thin worso than wo hear 'occasionslly, in polite ciroleg, and $r$ in : hlgh-toned inewspapera, F gui phrase se "the 1marant Irlm," the ratallined ${ }^{n}$ ind AD barbarona $\quad$ Iriab, -ta.'
"MILES" "-Tic facts have been frequently Given in detall in nowspaper colimans. The following, however, is a summary of the relurns: Nue strongth of the Brltish Army, exclusive of comminsioned ollicers, is 176,36 men, of whom 117,701 nro English, 15, , 85 Scotch, and $4 t, 092$ Irlsh. In the infantry of the line the Irish proportion is very large.
"Mericator" asks "What is the meaning of 'Law's Bubble,' now so frequently referred to in the phiblic journals in respect of inonetary allites?" The phrase refers to the fumous Mississippl foheme deYlsed by John baw, for paying off the nationni debt of Prauce (1716-1720), 13y this French "South Sea Jubble" the nation was almost rulied. It was called Mississippi, becatise the Company was granted line exclusive trade of loulshana on the benks of the Mississipph.
"Cimonotogist" is wrong. This is ticenineteonth century, though "the enumerntons are in the "efolteens"-The matter is very simple. The flrst eentary of the modern and Chrlstisul calendiar began with the birth of Enrist. Therefore the second centary minst have commenced wilh the year 101. Follow this the and you will thilhat the tirstycat of the elghteenth ceutury wits 1701 , and that, thercfore, we, who are now living, Ive tu the nineteenth century.
"M. R. O'S."-We have once more to state that we do not desire to turn the "dinfivers to Correspondents" inton mediam for the deelsion of wagers. However, we give yon the finformntion yon seek. The bhrnse, "Grod tempers the wind to the fhorn lamb," is not In elther the New or Old Testament. It ocetrs in Sterne's "Sentimental Journey," but before Sterne's thme in a collectlon of Freneh proverbs, pablished in lini by llenry Estlenne lu is riven: Dien mesure le vent a la bredis tonelue.
"Sincenity,"-The anthor of "Don Quixote" was Cervantes. The book is not an immoml one: though culled a rominnce, it is a merelless sutire on the chivitrie romances of the Midale Ages, and had the eflect of putting an end to this sort of liternture. Four second guestion; namely, "If persons attending the danth-bed of a person are more aflected than the dying one" is somewhat of $a$ puzzler. We have never been in either yosition; and cannot. write from experience; but it is said, and we believe. wruly, that the dying are vouchsafod a certatn resignation to the inevitable, which is peace comparod to the polgnant grief of friends.
"W. C, D."-We find, opportunely enourl, fonting through our exchanges, the information yon seek. Here it 1s, ns given by our nnmesake of Nen York: There are six European kingloms, ruled by crowned monarchs, which have each a emaller popialation than the State of Now York, the last census of Fhich shows it to be on the verge of five millions. The se kingdome aro Holland, Portugal, BelFium, Denmark, Bavarla and Greece. New Fork State is just about equal in population with Belgium and Favaria;it fs a million above Holland; two millions above Portugal ; three millions above Denmark : and three and a half millions above Greoce, Its population is mearly twice that of the republio of Spitzeriand. It is ap to that of the Persian empire, though We should say there were only estimntes for-Peraia It has twice the population of the republic of Peru, and Galf that of the omplre of Brazil. The two cides of Now York and Brookiyn have by thomeselves a population grester Shan the Kingdori of Denmark, and New York alone 1 relmost, mpopuloun the KLnizdom of Grweot.

