Russia seems to be gradually rousing herself to a full sense of her position. She has only just begun to understand what it means to have a vigorous nation of the first classes as a neighbour, and standing between herself and the rest of Europe. It would be exceedingly interesting to know what the real history was of the recent negociations concerning Denmark. The question had scarcely come upon the tapis when it was hustled off again. England and Rus sia, it was said, had agreed to urge Germany to yield Schleswig to Denmark, and thus afford a solution of the difficulties which are felt by the Berlin Government with regard to the inhabitants of that prowince. What the quid pro que was to be was not clearly stated, but the threatening attitude which the question at one time seemed to be likely to assume was quickly put an ead to by the cessation—if indeed they had ever begun — of the negocia-tions. Even supposing the whole matter to have been of the nature of a mere canard —and it was certainly more than that—we learn from it what the publicides of Europe is with regard to the stitude of Russia to wards Prussia.

We do not think that the public idea is at all an incorrect one on this head. In the relation between the two countries we see what we now call the contest of nationalities—a few years ago the same thing the present time, when we are compelled to would have been called the "balance of indust that foreign branch to have been called the "balance of indust that foreign branch to have been called the "balance of indust that foreign branch to have been called the "balance of indust that foreign branch to have been called the "balance of indust that foreign branch to have been called the "balance of industrial that the balance o power." We do not look with feelings of regret upon this state of allairs. The last few years have found a great deal of char latenry mixed up with the new idea in politics, both domestic and international. If we find ourselves coming back to the old lines, and working round the same pivot as in former years, we need not be surprised. The balance of power was an old and ex-ploded idea. The new generation knew something worth a great deal more than that, and yet, in the end, we find two great na tion dities standing opposite to one another, each eager to preyent the other from growing too strong Is this altogether an ovil late ourselves and one another on the fact that G. rmany is not to have it quite all her own way? We deprecate, both, for our-selves or for Russia, the idea that there is and safety to be found in what would be called in private life mere fussiness. We, on the whole, sympathise with German ou jects, especially in relation to her contest with Rome, but for all that we should be sorry to see England following the lead of Russia, either it she shuts her eyes on the one hand to the prependerating influence which Germany is siming at in Europe, or if she should exhibit a tendency on the other to fidget and worry without giving due of fect to her opinions.

.. NORTHERN COLONIZATION RAILWAY .- The survey of an extension of the Northern Colonization Railway, from Aylmer to the mouth c. the river Mattawan, through the Province of Quebec have just been complete ed. A line has been obtained which is held to bevery favourable, the course of the line general being very direct with easy curves and grades. The total estimated cost of this extension, including rolling stock telegragh and all the appurtenances necessary for a first class railway, does not exceed \$28 000 per mile, and if ateel rails and iron bridges are employed the cost will not exceed \$33,000 per mile.

THE MACOURIE GUN

In February last a non-official trial, nocessarily very brief in detail, was made in the proof room of the Nettle—a vessel at tached to the Excellent at Portamouth for proving the quality of armor plates-in the Excellent guinery establishment, and at the present time filling the onerous post of Director of Naval Ordnance at the Admiratty, of a breech loading cannon, construct ed in England upon the patent of Mr. Macombie, who is an American, and so far as the trial was carried the results were considered highly favourable in their relation to the primary objects sought by the inven-tor—i.e., the prodution of a breach loading gun that should burn larger powder charges with freedom from any escope of gas at the breech than any English or Continental gun' breech or muzzle loader, and a gun that could not be burst by gun powder After this trial the gun was taken to London with the intention of having the velocity of its shot proved at Shoeburyness, but for some reason as yet unexplained this has not been done, and thus one of the most important points connected with any measurement of the power of the gun remains unsettled. This (says the Times) is to be regretted, for everything relating to breech loading arrangements for heavy ordunuce is of the greatest importance to us just at admit that foreign breech loading guns, and especially the German guns, give their shot a greater initial velocity and penetrating force than the best Eg. glish muzzle loading guns. We have certainly for a long time past had the question of breech loading in its possible application to the heaviest ordinance under consideration, and there the question appears to rem in. It is understood that Sir Joseph Whitworth has long been prepared to produce a breech loading gun of large calture and of exceptional penetrat ing power, to order of the Government, and that Mr. Fraser of Woolsich Arzenal, has also prepared drawings of breech loading arrangement for heavy ordnance. Ufficial ob structions, however, appear to stop the way, for neither the Whitworth nor Frasor breech loader has yet put in an appearance and under these circumstances we may, even with some chance of profit to ourselves, give a little attention to the American Ma combie, although as yet ignorant of the initial velocity of its shot, excepting by approximate edculation from their penetration into tron, and an opportunity for this occurred in a trial made with the gun at the land firing range of the Royal Marine Ar-tillery at Fort Cumberland, near Porta-mouth, on Friday last week. Before entering further into the particulars of the trial it is necessary to say something here relative to the gun, the powder-charge, and the shot. The guu weighs 1200th,, the rifled tube having a diameter of 1.275m., and a length of 24in. The powder chamber has a diameter of 2.5in., and a length of 7.25in. quickest burning powder procurable, Cur-quickest burning powder procurable, Cur-tis's fine grain sporting, is used for the charge. The sh t weighs 3lb., and 11lb., one-half the weight of the shot, forms the firing charge. Whatever the size of the gun, these proportions between its shot and powder charge would be observed. The breech of the gun is built up ofrings of three differ ent kinds of wrought iron, which increase in density from the centre to the circum-ference. Heavy steel rings are driven over the forged iron rings by a powerful hydrau-lic press. The breech is closed after load ing by two and a half turns of a three thread

The inner end of this screw is fitted screw. with projecting ateel blades as the gas check. The shot is loaded round its base to take the grooving of the rifled tube. On Friday the gun and a small from target three inches in thickness were taken down to Fort Cumberland, and five shots fired at the target at a distance of 100 yards. The target had no backing, and was set upon and supported by beach sand and shingle. No. 1 was taken as as a trial shot, the latter passing immediately over the top of the target. No. 2 struck near the bull's eye, the shot penetrating 2½ in,, and remaining embedded in the plate. No. 3 struck on the opposite side of the bull's eye, penetrating to a depth of 24m., and also remained em bedded in the plate. No 4 struck the farget low down, penetrated to a depth of two inches, and rebound from the plate on to the shingle of the beach. No. 5 shot was attended with nearly the same results as No. 4. Two facts were deducible from the firing, and they must just be taken for what they are worth in the opinion of practical artiflerists. 1. There was no observable est cape of gis. 2. A gun with a rifled tube of 1 275 inches diameter obtained with its shot a maximum penetration of 21 inches in a piece of unbacked rolled iron plate, three inches in its thickness. Our authorities may possibly know all about the Macombie gun, but if the principle of the breech and its powder chamber is correct it should be worth some attention from us, however faulty we may consider many of the de tails—Broad Arrow.

Sime very unvel and interesting experiments, says the London Iron, have recently been made at Tyne Dock. In consequence of the increased depth of the river—the results of the recent dredging-ships of larger tonnage and draught are enabled to enter the dock, but a number of large blocks of concrete, which were laid down to secure moorings, interfere with the dredging, as d require to be removed. As these blocks are of large dimensions (12 feet long by 12 feet broad by 6 feet thick, and 20 feet under water), the trak of removal has hither to proved laborious and expensive, but it is found that small charges of dynamite laid on the centre when fired reduce the mass to a heap of rubbish, which can be easily lifted by the dredger. The charge, 10 lbs., was enclosed in a canvas bag, and simply laid on the concrete by a diver, who secured it in its place with some strong clay, and it wis fired by meens of a gutta percha fuse, ending with a copper cap containing a charge of fulminate of mercury, without which this powerful agent cannot be exploded. A loud report announced the ignition of the dynamite, and a large body of water was unheaved On descending, the diver found the large solid mass reduced to a heap of rubbish.

General di Ceanola has been actively engaged for some months past in excavations in the Island of Cyprus. In September he discovered the ancient site of Curium or Kuri and the Temple of Apollo Hylates. Several long Greek inscriptions bearing the name of that deity have already been unearthed, also some smaller inscriptions in the Cypriote language. The latter are for the most part upon statuettes of calcareous The Genera, has also found a beaualone. The General mas also tout a sometiful Greek statuetes of white marble over two feet in height, representing a naked, youth, perfect from the known upward, the last feet manting. Other there is only the left foot wanting. Other atatu.ttes and a large quantity of heads in terra cotta equester ian figures wearing armor were found;