out that the gallant Colonel had failed to fully comprehend the whole bearing of the question on which his eloquent lecture was based-by showing that the occupation and command of the Western Lakes was a prime factor in any theory of defence for Canada, and moreover, the means that were available for retaining the command of those inland seas, which are briefly, the command of the sea ligard-the controll of the Mississippi, which would follow, and the sending proper gun boats into those waters -two or three of the type represented by the speedy class, or better still, by vessels of the following type which could be employed on coast service, and in the lower St. Lawrence having access to the Upper Lakes by our magniticent canals. The following is taken from the same issue of our contemporary:

"By accounts which have been recently sent from St. Vincent, a most favourable report has been received of the cruise of the turret ship El Plata, under the command of Captain Royse, which was on a voyage from Liverpool to Monte Video, for service in the navy of the Argentine Confederation. The El Plata is a turret ship of 1800 tons, is 185 feet long, 44 feet beam, and draws 9ft. 6in. of water, and was built by Messrs. Living Brothers, of Liverpool. She has no ram, and has a freeboard of only 4ft. 6in., not. withstanding which the crew, consisting chiefly of officers and men who lately belonged to the Royal Navy, volunteered to accompany the vessel across the Bay and the Atlantic, to her destination.

"She is particularly designed for river service, and is protected by a belt of armour at the water-line, in addition to the turret, which is composed of 9in. armour plates, and carries two 12½ ton guns. She left Liverpool in the early part of the year, and after a short delay at Holyheid and Milford, left the latter place on the 10th February for

Madeira On the following day a blow was experienced from the S.W., being nearly dead ahead, but all preparations for bad weather were rendered unnecessary by the wind and sea decreasing towards night, which enabled the vessel to proceed ahead under fore and-

aft sail and easy steam. 46 The weather gradually improved, and on the lath, the wind veering to the northward, better progress was made. The vessel reached Madeira on the 18th February, after having made a good passage and having burnt during the eight days' voyage only sixty six tons of coal. Surely such a report must give strange comparison between the consumption of coal of this vessel, which proceeded at an average rate of 170 miles a day, with many of our coatly armour-plated vessels. Much difference must naturally arise from the draught of water being so small, but we venture to submit that on the face of these figures something might perhaps be accomplished by reducing the daught of water and the freeboard of our monitors without affecting their safety at Bea. No masts would be required, but as in the case of the El Plata only two poles and a hurrioane deck.

to St. Vincent was again only fifty-six tons. although a southerly gale was met with soon after leaving Madeira, and high southerly winds were experienced instead of the usual N.E. trades.

Apart from the question of the conin 1776—if, guard sumption of coal, which is in itself a most it is more so now.

important one, especially considering that the El Plata consumed only about the same quantity of coal during the voyage from England to Madeira as H.M.S. Devastation would burn in one day, there is the main feature of the question consisting of the safety of the vessel itself. On comparing the sizes of the two ships it will be seen that the El Plata is only half the size of the Devastation, but has, nevertheless, completed the voyage across the bay and a part of the Atlantic, occasionally with a heavy sea running, without raising any of those causes for misgivings' which have been so rife in the case of H.M.S. Devastation.

The crew, indeed, have expressed themselves most confident in the safety of the vessel in a heavy sea, and we are, therefore, sure that the public will thoroughly support our naval authorities in the decision they have arrived at with regard to H M S. Devas We feel, however, that several pertation. sons of great experience have but too justly condemned them for their lack of confidence in the ocean cruising qualities of our low reeboard, unmasted turret ships after having received so many reliable proofs of their stability. It is clear also that there must be many officers and men in the Royal Navy who, not only for duty's sake, but also for more landable reasons, would gladly en.bark in the Devastation, and doubtless have already expressed their anxiety to do so if any inference may be derived from the many applications which had to be refused in the case of the El Plata.

The danger of men being washed over board from the upper deck appears to have been somewhat nullified in the case of this vessel by the aptitude she has with her low freeboard in rescuing them from a watery grave. It appeared that on the 22nd Feb ruary a man fell overboard, whereupon Cap tain Royse, instead of lowering a boat, thought it would be a quicker course to take the ship itself towards the drowning man, He thereupon put the helm hard over, steered direct for the man, picked him up, and proceeded on his course. The vessel was proceeded on his course. to leave St. Vincent on the 2nd March, and it was hoped would arrive at Rio about the 20th of the same month."

Our canals affording access from the lower St. Lawrence at Montreal to Lake Ontario have locks 200 feet in length, 45 feet in width, and nine feet of water on sills. They are about being enlarged so that they would readily pass a vessel of the dimensions of Ll Plata; those connecting Lake Ontario, Erie, and Huron are 250 feet long, 55 feet wide and have 12 feet of water; so that the command of the Western Lakes need not be ahandoned except through ignorance of their resources, capabilities and importance; and their neglect of overlooking their strategetical importance will tend to neutralise all defensive measures as their waters wash at least 500 miles of the shores in front and rear of the richest and most important portion of Canada, so that the system of defence so elaborately designed and describ ed by Colonel JERVOI, is liable to attack in flank and rear, and indeed quite open to both by their hypothesis of defence. Any movement on the Eastern or South Eastern frontiers can only be made by the line of the Kennebec along which Arnold advanced in 1776-if, guarded, it was impassable then

The old Gate of Canada, the valley of the Lakes Champlain and George would be effectually closed by the control of the Hudson River which the command of the sea board would involve; that is, if the officer in command of the naval armament understood the true strategy of the Defence of Canada, and it would cost England no exertion beyond thoroughly understanding the true strategetical as well as political bearings of a war with the United States to combine her interest in bringing it to a speedy conclusion with ours in defending the Dominion.

The following letter which is copied from Broad Arrow of 13th Murch, exhibits in a striking light the difficulty experienced in forcing on a College trained class of officers any invention no matter how useful or important which has not emanated from their own ranks, or is in accordance with their traditional opinions—this is just the result of over education:

Sin -The above is the question now of chief importance, as regards the future planning of perminent defensive works, as well as the construction of our siege bat-teries. In the Broad Arrow of the 6th inst... we learn that forty 38 ton, and fifteen 35 ton guns, in addition to a still greater number of eighteen and twenty-five tone weight. are now in the Service; it is also noted, that two 38 ton and two 35-ton guns, are to be the armament of the turret ship Thunderer. It appears that the only other very heavy guns affort, are four of thirty-five tons, on hoard the Devastation, but there are some fifty more of thirty-five and thirty eight tons available for use when required. From the delay in placing these Woolwich Infants in position, the inference is, that a doubt exists as to the system they ought to be mounted upon. Up to the close of last year there was not even a 9-inch, i.e., a 12ton gun, mounted in England, and as for India, its coast de'ence is entirely in a backward state, even the kind of gun platform best suited for that country has not yet been decided upon, and the forts though planned have not yet been built. Here, by way of parenthesis, it may be observed that a separate "Inspector General of Artillery," is found necessary for India; surely a "Director of Artillery" in that country must be equally needed? perhaps the difficulty about such appointment is, that it must be under the government of India, and independent of the War Office. Returning to the original subject of home defence, it is to be regretted, that public opinion is not sufficiently educated on this subject to ensure a wide and intelligent interest in it, and to counteract the bureaucratic prejudices, which not un-frequently hunper military scientific progress. Of all questions affecting at once both our naval and mi itary efficiency, there is none to compare with the question, How can we best, and with least expense, arm our gunboats and armour-plated vessels, as well as our land, and in part our coast defences? and it is of equal importance as regirds the equipment of our stege trains-Are we to go on with the present most cost. ly turret and iron shield embrasure system, or shall we adopt the Moncrieff system, im. proved as it h a been recently, on his "hy dro penumatic" principle?

For civilian readers, it may be explained this system enables the gun, whatever is