Navy, rather more than twenty years ago, the coast defence of Torpedo Corps and Naval Brigade organised at Sydney, the that vast possession has been entrusted to about a dozen small Militia in New Zealand, and the Volunteers in Tasmania, i vessels of the Imperial Navy. At the present time our East shows us that the colonists are determined to be, in some Indian Squadron consists of an old wooden frigate, two measure at least, independent of the mother country so far a corvettes, and eight sloops. With the exception of the local defence is concerned. two small ironelad turret-ships Magdala and Abyssinia at Bombay, these are all the vessels we have to defend it is not sufficient to be influenced by a proper spirit in devising the shores of India from the Indus to the Ganges. In 1868 an efficient defensive scheme. Sir Julius Vogel-the Agent-Ge the Indian Government made a start in the direction of reconstituting an Indian Navy. They ordered the two turnet-ships—alsible of the weakness of isolated action." This, too, is fortunated ready referred to - of two private builders on the Thames, and for it is necessary to recognize a weakness before attempting t received them at Bombay early in 1871. Since then nothing remedy it. For each colony to defend itself upon an indepen further has been done in that direction except laying down dent system would be a two-fold mistake. It would retorpedoes at different parts of the coast, and instructing a small the more difficult for the mother country to staff in the details of torpedo warfare. It was at the close of bute her quota of aid, and at the same time it would inter 1877 that the India Office decided upon the torpedoes, and at fere with securing an effective combination, besides adding to that time the Broad Arrow pointed out that something more the collective cost of maintenance. A properly organise than this simple precaution was necessary in order to ensure system of colonial defence must, so far as our Australasian col ample protection to our Indian harbours. It was urged that onics are concerned, be a collective one. It is much to be n it is the duty of the Government to continue in the direction gretted that it should be left until this day for such an import which they took in 1868. About ten more such vessels as the ant question to be considered and decided upon. It is, how Magdela and Abyssinia, supplemented with an efficient torpe- ever, satisfactory to learn, upon so high an authority as Sir J do force on shore, would render the coasts of India safe against Vogel, that the colonists know it to be impossible to obtain a for the attack of any naval force which would find its way to that midable combination under any other supremacy than that of part of the world. For defensive purposes, or indeed any the mother country. But under any circumstances it will be other than that of mere ornament, our East Indian Squadron difficult question to decide upon the relative share of cost to be

Mr. Brassey, who has long since come to the front as a strewd and far-seeing seaman and legislator, has recently made a Admiralty, proposes that each member of the confederation speech on the subject of colonial defence. His appointment as should contribute towards the national fleet in proportion to the one of the Royal Commissioners to report on the means avail-volume of their exports. Whether or not this proposal would able and required for the defence of the colonies is a sufficient prove equitable we are unable to say, but we fully agree we claim for a careful attent on being given to whatever proceeds Mr. Brassey in believing that the whole subject must soon from Mr. Brassey on this important question. As the mem-taken into carnest consideration and settled. That the color ber for Hastings very truly stated, "England without her col-"onial and foreign possessions would fall to the second rank in sist towards its speedy solution—for by so doing they have "the tamily of nations." In showing how much our com- shown that they realise the dangers of the present situation merce depended upon the extent of our colonies, he mentioned that in the nine years from 1869 to 1878 our colonial trade had grown from 25.3 to 35.4 per cent. of our total commerce, and that, too, while our exports to foreign countries had diminished in value. our Canadan, Austral'an. New Zealand, and Tasmanian dependences, also the ad antages we derive both on account of breech-loading rifle guns, on the system invented by Sir W the large consumption of our manufactures, the food supply Lam Palliser, and for the conversion of ten 32 pr. smooth be they yield us in -turn, and the employment they give to our guns to 64 pr. rifles, also on the Palliser system. The latt surplus population, Mr. Brassey wisely remarked that "this guns are to be increased in length by allowing the wrought in noble confederation should not be broken up for the sake of a tube to project 13 inches beyond the original muzzle—a su "paltry reduction in the Navy or the Army Estimates."

Nevertheless, Mr. Brassey is not of opinion that the whole or even the greater part of the cost involved in creating an efficient verted in England. It was shown by the proof last year the system of colonial defence should be borne by the Imperial Extra converted gun would admit of a great increase in the quachequer. Nor does it appear that the colonists generally desire tity of powder laid down at present as the service charge. The that they should be wholly relieved from the burden of main-lengthening of the bore will admit of the entire ignition of t to ming their local defences. At the same time that the Indian increased charge, which will, in turn, impart a much high Government were constructing the Magdalit and Abyssinia for muzzle velocity to the projectile and overcome, to a great the defence of Bombay the Government of Victoria were having tent, a disadvantage in rifled guns when firing case shot a set r ship, the Cerbergs, built for the defence of Melbourne, shrapnel shell. The increased velocity will also secure Mr. Brassey informs us that at Adelaide, the principal port of creased penetration and greater accuracy of fire.

South Australia, a turret-ship is spoken of, and that Melbourne The contract for the conversion of 10 of the smooth be has a small navy. He is in error in supposing that Sydney guns in possession of the Government is a step in the ri las a turret-ship, but it is possible that, lke Melbourne direction, which we trust will be followed up until all the and Adelaide, the port of New South Wales may determine to guns are converted into rifles. It will be a valuable additional to the converted into rifles. possess itself of an independent means of defence. But what to our means of defence, and will also create an esprit in o ever has yet been done in this direction by our antipodean garrison artillery force, which is now languishing for want cousins is only a nucleus about which to range future results. Judging by Mr. Brassey's figures these naval developments are met far off. He tells us that it has been decided by the Governor-General devoted a portion of his short stay in Montre Governments of Victoria and New South Wales to expend each en route from Halifax to the capital, to paying a visit to ta sum of £350,000, besides an annual outlay of £73,000, in foundry of the Messrs. Gilbert, which is to us a strong proof providing a force of ships, guns and torpedoes. This looks like the interest taken by His Excellency in matters connect business, and when viewed in connection with the Artillery with the defence of the country.

Such a spirit of independence is much to be commended; but It would render i borne by the different members of the British Confederation Mr. Barnaby, C.B., the Director of Naval Construction at th prove equitable we are unable to say, but we fully agree w' ists have taken the initiative in the question will materially a

· Conversion of Smooth Bore Gans.

Since our last issue a contract has, we believe, been entered After showing the extent, value, and rate of into by the Government with Messrs. Glbvrt & Sons, Canad Austral'an. New Zealand, and Tasmanian de Engine Works, Montreal, for the manufacture of two 7 in gest on of Lt.-Col. Strange, R.A., Inspector of Artillery. will be found to be an important improvement on those of

encouragement.

We learn from the Montreal journals that His Excellency t