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#### " A MILITIA FOR THE SEA."

Under this title Mr. John Roach, in the August number have for a few years past. of the North American Review, discusses the old but ever should be adopted to compass the desired end, but just how this can best be effected is by no means clear.

the armor backed by coal bunkers, and quotes from the for jute, etc. Chief of Naval Construction of the British Navy to show

our entire navy at present would make but a poor show.

The first thing to be looked at, in any question of expendthe sea," a force on the water which would be a worthy both here and in England, will be great. counterpart of that which we always have on land, the plan would seem worthy of discussion on higher grounds than i are usually considered in the questions which ordinarily make party issues.

## THE COTTON MANUFACTURE.

times later. It is now certain that the crop of 1880-81 will exceed that of 1879-80, which was 5,761,252 bales, and was The receipts reported up to August 10 were 5,735,356 bales, about 1,500,000 bales annually to the world's supply of cot- or to cure its victims when attacked. 4710 tou, but of so different a quality as to affect but little the Would the urgency of the case be diminished in any

sale of the American staple with prices ruling as low as they

Especial significance will be given to these figures this new subject—the weakness of our navy and the smallness year, and to everything pertaining to the cultivation and of our foreign shipping trade. Probably there is no other manufacture of this great staple, by the exhibition to open one question in which the general public is so profoundly at Atlanta in October, all the preparations for which are in interested, for it combines the tariff with a leading point in a very forward state, and give promise of affording a worthy governmental policy, and touches the national pride in a representation of the vast interests concerned. Many had matter where we have especial cause to be sensitive. Every wished that such an exhibition might have been held in one is hoping that we shall soon have a change from the some Northern city, near the principal centers of manufacpresent situation, and the feeling is strong that some policy ture, but this would have reduced to a minor place what will be a leading feature of the coming show—the illustratration of the conditions under which the crop is raised, Mr. Roach brings forward a plan for the building of one and the practical working of the appliances by which it is hundred powerful iron screw steamships, with a speed of made ready for market. The exhibition, coming as it does 15 and 16 knots, and of a burden of 2,500 to 4,000 tons, right in the harvesting period, and in a locality where the exclusively for the foreign trade, but of such special con- gathering of the crop can be personally investigated by all struction that all of them could, in thirty days' time, be visitors, will present more vividly to the minds of mechanarmored with nine-inch steel plates. He would have the ics, inventors, and business men many questions of importgovernment encourage the building and running of these ance which have hitherto received comparatively little ships by American houses by the appropriation of three to notice. These include not only such as relate to the merits five million dollars per annum in subsidies, and knows of of different improved gins and various devices to facilitate one man who would then subscribe one quarter of the amount the picking and bettering the average condition of the crop, needed for the entire fleet. The vessels are to be built on but the larger problems connected with the possibilities of plans approved by the government, but he gives drawings the future in the more extensive utilization of the seed and of a style of construction, with the vessels in sections, and the stalk for the production of oil, feed, paper, a substitute

We have had a large and healthy growth in the manufacthe effectiveness of coal and loose iron plates to resist the ture of cotton goods for a few years past, which has covered fire of heavy guns. These vessels, he claims, would be a substantial development in this branch of industry in the greatly superior to the best merchant ships heretofore built. South itself, where the factories already in operation are in their adaptability for war purposes, and quite equal to making good dividends and many new ones are projected. most of the modern iron-clads. The cost, also, is assumed But we do not as yet make up into finished goods more than to be less than would be that of simply taking care of an about one-third of the cotton we grow. In this department equal tonnage in time of peace, and not exceeding the annual of industry Great Britain has long been a great way in appropriations of England and France to encourage mer- advance of all the rest of the world, taking about one-half of our raw cotton, and nearly all of that furnished by other It is evident that this project should be looked at some- cotton growing countries. For the past few years times what differently from the question of free trade versus pro- have been "rather hard" with her in this specialty, as in tection, as they affect American ships. How far the plan many other manufactures, but the falling off in actual suggested by Mr. Roach would be practicable only a board of amount of production seems to have been due rather to a naval experts can determine; but, were it feasible, it is appa- depressed state of trade generally than the competition of rent that the ends sought must be attained by having the manufacturers elsewhere. For the four years between 18:0 ships built as well as owned in this country, and manned by and 1875, her production exceeded \$500,000,000 annually, American seamen. To this extent the appropriation there- the raw cotton costing from one-third to two-fifths of this for would be in the way of government protection and pro- amount, and the remainder going to pay for English labor motion of American ship manufacturing and shipping inte- and capital. About one fifth of this great total was exrests. On the other hand, one hundred such powerful steam- ported, while our own exports of cotton goods for those shirs, capable of conversion into efficient iron-clads at short years averaged about \$3,000.000 yearly; they have since notice, would afford, in an emergency, a convenient naval reached \$11,000,000; but our imports of cotton goods in force of considerable magnitude—a ficet by the side of which 1880, notwithstanding a pretty stiff tariff, were but little below \$30,000,000.

We come next to England in the manufacture of cotton ing money to strengthen the navy, is the uncertainty as to goods, running more spindles than France and Germany what would be the best form of construction. Arms and together, but how far behind her we still are these figures armor have changed so radically within a few years, and the too plainly indicate. Undoubtedly lower wages and cheaper best authorities are still so widely divided in regard to most capital give the British manufacturer his principal advanimportant particulars, that any large investment on this tages, to which are to be added better means of communiaccount is not to be thought of. Who knows, for instance, cation with different markets, long established connections, but that our recent splendid progress in the science of elec- etc.; but with all these in his favor he has been especially tricity may not lead to the development of such forces, alert, within a few years past, in seeking out and originating heretofore unknown, as will make of little worth the best improvements in the machinery required in the business. previous efforts in naval construction, and make the light- Marked advances in this direction have been made in the ning as effectually our servant as steam and improved ex- cotton industry quite recently, and there is hardly any plosives now are? Looking at the matter in this light is detail of the business for which some new device or machine the best justification of our past temporizing policy with has not been brought forward. The value as to advanceregard to the navy, but under some such plan as that proment in the product, or economical performance, of many posed by Mr. Roach the government would not have to of these supposed improvements are yet matters of debate PAGE expend much to largely supplement its naval strength, in the trade here, but the exhibition at Atlanta, in which according to present standards, leaving out of view entirely British manufacturers of cotton machinery are to be promi the national benefit which such a fleet of American mer- nently represented, ought to be of great advantage to our chantmen engaged in foreign commerce would confer. It manufacturers generally, on account of the comparisons concededly costs ten to fifteen per cent more to build a first they can then make of their practical working. If the exhi class iron ship here than it does in England; the capital to bition can effect anything to improve our chances of suc own and run the ship is also heavily taxed by our State cessfully competing in many foreign markets now closed to laws, with no tax in England except upon net profits, and us, so that we shall export more largely of finished instead there are many petty charges here unknown abroad; but if it of raw cotton, thus widening the field for the employment be possible to provide ourselves with a genuine "militia for of American labor and capital, its influence upon industry,

## IS CONSUMPTION CONTAGIOUS?

If our medical journals were to announce the steady approach to this country-say from China-of an ill-understood, painful, and usually fatal malady, which if once established among us would certainly kill half a million of The "cotton year," statistically, ends September 1, when our citizens every year and ultimately carry off one in every the preceding year's growth is substantially all marketed, five of the entire population, it is safe to presume that the and the picking of the new crop is well under way, this part announcement would not be calmly received. As one man, of the work extending up to the end of the year, and some- physicians not less strenuously than laymen, we should demand the most rigorous quarantine against the infected country. No effort would be accounted too heroic, no prethe largest crop ever raised in the country up to that time. caution too costly, to shield our country from so disastrous an invasion. And if there were any doubt as to the specific against 4.914,226 bales to the corresponding date last year. nature of the threatened plague or of the mode of its trans-The quantity of cotton in a bale varies, although the im- mission or inception, neither our medical and sanitary proved machinery for compressing and baling has tended to societies nor the government would rest until competent make all bales heavier the last few years. The total weight commissions were sent to investigate the matter. It would of the last crop was 2,771,797,156 pounds, the lightest bales he accounted criminal indifference on the part of medical being of Sea Island, weighing 348 55 pounds, and the other and sanitary authorities to neglect to make a concerted and descriptions varying from 460 to 509 pounds. Beside the persistent effort to discover the causes and conditions of the American growth, India and Egypt together contribute plague, and how to protect the community from its ravages