that Sydney harbor must hereafter grow to be one of the most important coaling stations on the coast. Any nation in possess ion of such mineral deposits may count on a rapid rise in wealth and prosperity. It concerns us deeply to render available, and at the lowest cost, the coal treasures of the Bridgeport mines. We ought, under a well-arranged system of transportation, to he able to purchase in Montreal a ton of coal at \$1, delivered from ship's side; and if we reach that result we can feel more confidence in our ability to become monufacturers, while all anxiety on the score of fuel supply will cease. It may require some time to accommodate our stoves to the use of bituminous coal instead of wood, but when the latter rises to fin cord, invention will be set at work to vise a remedy. The wharf constructed at Sydney harbor, to facilitate the exgiencies of trade, is 1000 feet long 35 feet wide, with eight shipping stands, and 51 feet water alongside. We hope our coal dealers will enter on this new trade and while they realize the profits for themselves, e able here ifter to sell us fuel at reisonable rates .- Montreal Star.

BREECHLOADING GREAT GUNS FOR THE NAVY.

Captain Sherard Osborn has published a letter on this subject, in which he protests against the conclusion that a muzzle loading gun is better for naval purposes than a breechloader, if only it can be properly constructed. We have waited long; why not wait a little longer, and let us hear what is the result of the practical tests breechloading guns are being put to in German and French hands, before Strusbourg and Belfort, as well as the forts engirling Paris? The Prussians, since 1848. have never made a mistake in needleand breechlanding muskets, and have thereby kept the lead of all European military Powers. They are testing Krupp's breechloaders in a way no Dartmoor experiments can compete with, The French are so impressed with the supemority of their system that they are adopting breechloaders for all field purposes, and the correspondent of the Times at Versailles. whose experience is more varied than that of most of our soldiers or sailors, warns as constantly that the days of muzzleloading guns are gone with muzzleloading muskets. Surely, if we set about it in carnest, all the difficulties in the way of constructing a breechloading gun will be as easily overcome as they have been with breechloading muskets and towling pieces, althoughtiteen years ago I heard as in my objections to that being possible as there are now to breechloading great guns? Among the mony reasons why the Novy would half a good breech loader, Captain Us orn enumerates the following: - "We are able and read, to work at sea far heavier guns than Woodwich has yet produced, by placing them on turntables or in tunets; but, seeing that this must often be done in a seaway and with rolling motion, the less distance the better between magizine scuttle and gun, over which half hundred weight sot powder and six to ten. hundred weights of shell have to be carried, and the breech of a gun is atways handier to load than the muzzle. In all our ships it is most desirous to avoid the present dangerous exposure of at least four men to a gun while loading at the muzzle; they will certainly be awept aw y by an enemy suffe-men or a shrapnel shell. The difficulty of forcing home a heavy mass of iron to the bottom of a rifle bore in a seaway is very great; if not close home, it will burst the far as to the laying of the foundations, when argument there was no reply and the gan. A breechloader gun entails less labor rumours began to float about that they had for with united them.—[N. O. Plo.

on the gun's crew. The flourishing of ram mers and sponges is very picturesque on parade, but the less of that in actual battle the sterdier the men are, the longer they last without fatigue, and the cooler their nerves and eyesight for the more important duty of good aim and constant fire. breechloaders no trouble is given in drug ging the gun far enough in to reload afte recoil, and it can be so titted that it shall toturn to its position immediately the recoil has expended itself, and so keep the port closed with its own self against the intrusion of shot, shell, and bullets. I might go on ad infinitum this way," Captain Orboin says, in conclusion. "but refram, but for all the reasons a naval officer could adduce must be dord against the decision of the military authoriti's in asserting that, for ship purposes, a muldeloader is superior to a breech loader."—Broad Arrow.

M'DLLE. NILSSON,

This curious little episode diversified the performance of the Academy of Music one night. Louisa Kellogg was singing her very best, and looking her very prettiest, conscious that her Swedish rival was in the house, and that the eyes of New York were on them both. Nilsson was dressed in blue velvet, with an abundance of rich lace, and a profusion of damonds glittering in her golden hair, occupied a prominent box and languidly applauded with her fan on the edge of the box. In the second part of the programme, Chara Louise sang "I'm Alone," was rigitarously encored, and give "Home, Sweet Home 'as an encore, and being com pelled to return a third time, dispensed with the planet and seating herself at the plano, poured forth with the most witching archness and point, Lover's ballad "She's fooling thee." It was noticed that Nosson list ened to this with extreme attention, and when Kellogg gave the lines:

> She has rich hair of golden hue, Take care, take care, And what she says is not true, Beware, beware, Beware, heware, She's fooling thee.

Nilsson, with a took of excessive anger, struck the box edge with her fin so angrily as to break it. At this there was a great laugh and a general chapping of hands, the m jurity of the people believing she had done so in the warmth of her admiration for her sister artiste. But her angry look behed this. The inni ted who were posted were highly amused, for it was evident that Nilsson thought Kellogg's song wis a reflection on her heartie-s juling of Gustive Dore. He brought her into notice, in ide her a pub he favorite and the idol of Paris; but when she had reached the height she had sighed ! for she not only broke her muringe engagement with him, but even refused to admit! him to her drawing-room as an order ry visitor. He was in the completest sense of the term forbidden the house.

CORRUPTION IN THE UNITED STATES -- A botter example of the way they lo things in the United States was never given than that afforded in Governor Hoffm m's message relative to the construction of the new equitol at Albany. Three years ago a Commission was organized to look after the matter, the Act expressly declaring that the Commissioners should not commence the construction of the building until they were satisfied that the work could be fully completed for! \$4,000,000. They opened their bureau, advertised for tenders and so on; and got so far as to the laying of the foundations, when

" gouged." An enquiry was instituted, and it has been discovered that no less a sum th in \$2,500,000 has been expended by them which they charge to office, travelling and incidental expenses, and to the cost of laying the foundations. If the rest of the building were as expensive as its foundations it is calculated that the new capital would cost close on to \$20,000,000.

NAVAL MITAMILIEUSES .- THE Standard says that the introduction of the new engine of war as art of a slup's againment will render it necessary that any vessel expised to such a mode of attack should have its gunners well under cover. The mitmilleuse in the maintop will ring the death knell of the men in the opposing ship who may be working he guns on the upper deck after the old broad-side model. Gunners below the upper deck may be sought out through the parts by a mitrailleuse worked on the same level. At present a gan is called 'protected' if it happens to be phosed in such a position that it has armor in front of it. But this kind of protection is essentially imperfect. The enemy cannot launch 400 pound projecules from his rigging, but he can send a shower of bulets from that quarter, and though he may not smash the gun, he may terrily and kill the gunners. Or if the guns are below the upper deck, the bullets may rattle in at the part with annoying pertina-

AN IMMENSE SALT MINE -The great Humboldt salt mine near Austin, Nevada, is described by a C difornia paper as looking like a take frozen over. The salt is is hard and as smooth as ice. Were it not that the fine particles which are condenced from vapors arising from beneath, and which cover the chrystallines alt to the depth of perhaps oneeig tof an inch, it would make an excellent skiting rink at all times of the year, except on the very unfrequent occasions, when it is covered with water. The expluse of chrystalized salt is no less than twenty miles in length and twelve in width, without a break or fliw for the greater portion of that extent. The stratum of solid salt is about six or seven inches thick, under which comes a layer of sticky, singular looking mud about two feet thick and under this again another stratum of solid salt, as transpurent as glass of which the depth has been found in some parts to be six feet. In sum ner this salt plane glutering and scintillating in the light of an almost tropical sun, presents a bulliant appearance. The trosty covering and the solid salt is as white as snow, while the curvet dime portion, when exposed reflects d zzling prismatic colors. This immense deposit is remark by pure, being ninty-live percent of salt and five per cent of sodiwhich is puter than what we commonly use for our tables -Scientific & nerican.

There are very few persons tooold to marry. It is a charitable design of Providence that while we see the mole in our neighbom's eye we cannot detect the beam in our own. Whilst we acknowledge that others should be circumspect we can rarely make up our minds to be so ourselves, when it intorferes with preference or convenience. So it was yesterday with an exceedingly aged couple who applied to a justice to join them in wedlock. "Why you are too old to marry," said the magistrate. " Not so," said the lady " he comes about my house so much that if I don't many him prople will talk," She was eighty if she was one day. To this argument there was no reply and the Justice