miles per hour with full loads o : the river Shannon, which expands into luige a lakes a fow miles above where the Gran & Canal in tersects it. The engines wors high pres aure, nominal power, twelve he as is, eapable of working with ease to seventy fir to. If our enterprising neighbors had their eyes open. they would discover all this witho ut the elaborate and unsatisfactory trials they have made, as detailed in the follo wing paragraph :-

of the State Legislature of No w York to award a prize for the best mod e of steam propulsion, has submitted a re port which contains some interesting detail is of the experiments made. Three boats only made the three round trips required t ,y the Act, and though several others made the attempt I the jealousy they fell short but a little. and indisposition to give the rig ht of way to the steamers, on the part of the horse boatmen and lock tenders, cruses I delays of from one day to two and a half on each trip. The blockade of norse boats last 1 up during the epizootic, and the insuffice at depth of water, also caused serious hindr ances on the experimental trips; but m spit 3 of the de lays, the time made by the stee mboats was from 268 to 332 miles per ho ur, and the trip from Buffalo to Troy was brought in side of seven days, one boat ms king it on an average in five days and six hours when loaded. A saving from 20 to 2 31 per cent. is also found in layor of steam, with a pros pect of increasing this percenta ge in actual This shows that the use of boats service. propelled by steam, on the tru nk canals, is entirely feasible, and with the adoption of a better system of locks, the drays of horse boats will be numbered .- Bost on Globe.

The following paragraph from a Western exchange is worthy of attent ion, especially as Canada possesses the lar gest pine forests in the world; and at the r ate they are being manufactured into lum ber, in a few years vast areas will be denue led and barren which a little care might ms ke productive of a valuable material for do mestic use.

"The great increase in the price of pine lumber for the last few year s and the growing scarcety of the pine fores ts, as they never sprout again under ordin ary circumstanstances, leads to inquire if Il aere is no prac tical way of avoiding the coming scarcity. We are already told that within five years. Williamsport, the great Permsylvania lum ber market, wili, as such, b e no more. pine forests wil all have be en cut down and sawed into lumber. It has occurred to me that a fact which accidentally came to my notice might be of use to 3 ou.

party of hunters from Morristown. while on an excursion to Pike Co. Pa., a few weeks ago, were telling me the history of their exploits, and among other things one of them, a worker of wood, mentioned the fact that in all instances where pine forests had been cut down and tilled, if but once, a new growth of pines immediately sprang up, and in the ordinary course of time forests of pine equal to the old original growth covered the ground. Now, if the pine forests can all be renewed by once plowing, it seems to cae a thing which should be generally known and recompended. If you desire I can ascertain the become very useful, for while carrying these.

names of parties in Pike County, who personally will vouch for these facts.-Morris. TOWN.

The following paragraph from Board Ar row describing the launch of a most useful class of vessels, and of a description to be particularly adapted to our rivers and lakes. It is not stated whether they are adapted for the application of sail power, but as they carry only four days coal, it is evident they must depend on some other 'motive power for cruising or operations extending over a longer period.

In order to adapt these vessels to the lake service, they should have greater coul capacity, an additional 100 tons of stowage would not very materially add to the size or draught of the vessels which should in no case exceed six feet, it might be found by adding five feet to length and the same to beam. But the disposition would prevent their use on two of our most important canals. The Champlain with locks of 133x30 x5, and the Rideau Canal of 130x33x5-so hat it were better to construct vessels of a larger size for lake service, and leave those for the use of the canals.

The St. Lawrence and Welland Canal (will when completed) be equal to the admission of vessels of 180 feet keel, 35 feet beam, and eight feet draught, which would give yessels of nearly 500 tons as about the size required for our Lake fleet. An increase in the number of this class of vessels is very desirable, because without them the larger vessels of the British fleet would be totally useless in coast operations.

It is a matter for doubt as to whether the bilge keels will be a good substitute under sail, for the keel proper. And we could prefer having the vessels fitted out as twin screw propellers, principally for the facility of turning. The greatest drawbacks however, are the small capacity for coal stowage, because it limits their operations altogether.

"There was a double Launch at Chatham Dockyard on Tuesday (11th Feburary) the vossels being the Ariel and the Zephyr. Both are built upon what is known as the composite principle, and are of the Coquette class, the only difference in those vessels being that they are only supplied with an iron keel plate; and have no keel, and are consequently flat bottomed, but to make up for this they are provided with two "bilge kees." The dimensions of the vessels are length 125ft.; breadth 23ft.; depth 12ft,; tonnage, 307. It was originally intended that the tonnage should have been 295, but some alterations made in the beams of the vessels after they had been commenced allowed for the additional tonnage. framework of the vessel is of angle iron, 3.11 by 31 in. and about fof an inch in thickness. The frames are about I foot Sm.apart. There is no skin of iron plates, but only two thicknesses of wood, 3m. and 2m. respectively, both laid horizontally. Each vessel will

guns their draught of water is but small, which will enable them to operate successfully up shallow rivers. They are fitted with compound engines of 90 horse power (nominal); they have been supplied by Messrs. Humphrys, Tennant, and Co., of Deptford, and are expected to indicate 360 horse power on trial. The vessels will carry about four day's consumption of coal. They are also fitted with one of Griffith's screws each. At the launch few persons were present. The Zephyr was the first to leave the stocks, and was "christened" By Miss Gall. way, daughter of the Commandant of the School of Military Engineering; the Ariel being christened by Miss Hickman, daughter of Colenel Hickman, commanding the General Depot Battalion. The Rifleman attained a speed of about eleven knots on her last trial trip, and has returned to Chatham.-

On Wednesday evening (12th inst.) His Excellency the Governor General Earl DUFFRIN, and Countess DUFFERIN held a Drawing room in the Senate Chamber. at 9 p. m. A guard of honor of the Governor General's Guards, with the band of that splendid regiment was in attendance. The presentations numbered over six hundred.

His Excellency was attended by Lieut. Ccl. Fletcher, Scots Fusilier Guards. Mill tary Secretary; Lieuts. Coulson and Hamilton, aide de camps; Mr. Patterson, private Secretary, and the following staff.

Colonel P. Robertson Ross, Adjutant General of the Canadian Army; Lieut. Col. Powell, Deputy Adjutant General at head quarters. Lieut. Col. Stuart, Assistant Adjutant General; Lieut. Col. Macpherson, Lieut. Col. Jackson, Acting D. A. G.; Lieut Col. Aumond; Lieut. Col. Forest; Lieut. Col. Ross, GovernorGeneral's Guards; Lieut Col. Wilson; Licut. Col. Brunel; Lieut. Colonel Coffin; Lieutenant Wiley; Major Wickstead, Guards; Major Smith, Brigade Major; Major D. A. Mc. Donald, Major White, Governor General's Guards; Captain Cluff; Capt. Eagleson; Capt. Perry Militia Staff, and the officers of the Guards.

The Senate Chamber presented a very beautiful appearance, with the benches filled by the fashion and beauty of the city. Her Excellency's suite was composed of Ludy Harriet Fletcher; Miss Hamilton, Quebec: Lady Macdonald; Mrs. Tilley, and other ladies of rank. There was a large muster of Senators, and Ministers of the Crown, headed by Sir John A Macdonald K C. B., and the Hon. Mr, Tilley, the Ministers, with one exception being in Windsor uniform, A large number of members of the Commons were present on the occasion.

This, the first Drawing Room held by their Excellencies was a very great success. The Earl and Countess Dufferin have done a great deal to impart tone to society at the capital, and have dispensed their hospitalities with princely liberality, well becoming the representatives of the Majesty of