

is about 160 feet above the level of the town. This it is said will give a pressure of seventy pounds to the square inch, and throw a stream of water sixty feet high, through a one inch nozzle, from three different hydrants at the same time. When complete there will be about five miles of iron pipe laid. The works are constructed, at a cost of about \$35,000, by Messrs. S. J. Parker and R. Notter, by whom they will for the present be owned, the corporation having for the right to assume the works after ten years by paying the value of them at that time.

The Stadacona Bank is now paying a dividend of nine hundred thousand dollars, being ninety per cent. of its capital.

IMMEDIATE steps are being taken to renew operations at the Tilt Cover Copper Mine, Newfoundland. It has been purchased by Mr. C. F. Bennett for the sum of £45,000.

NAPANEE has granted a \$10,000 bonus to the Napanee Tamworth & Quebec Railroad. This makes a total of \$30,000 furnished by the town to assist this railroad.

The first sod of a new Baptist College, to be erected on the University grounds in this city, was turned yesterday, by the Hon. William McMaster, who, with his usual liberality, has donated a sum sufficient to erect a handsome structure which, with the ground, when finished will cost \$75,000.

THE Credit Valley strike still continues, and the chances for the payment of arrearages appear as remote as ever. The inability of the Company to settle with its employees is causing great hardship, a number of the men in Elora and Orangeville being refused further accommodation by their boarding-house keepers. It is stated that the railway authorities deducted board money from the wages, but as yet none of it has been paid out for that purpose. The men, it is feared will resort to violence if some satisfactory arrangement is not arrived at very soon: the Committee, in fact, state that they will not be responsible for the men's action after yesterday.

THE creditors of the "Moisie Iron Company" of Montreal, have been anxiously looking for a settlement of the estate for nearly five years, and are now about to have their wishes gratified. The cause of the delay has been the contestation of a claim filed by the "Morris Run Coal Co." for the large sum of \$330,000, which has been dragging its slow length before the courts ever since the insolvency, and has now been finally decided upon and dismissed. The grounds of contestation were that the pretended debt arose out of certain stock transactions between the "Morris Run Coal Co." and Mr. W. M. Molson, president of the Moisie Co., intended to mislead the public and give the appearance of solvency to the failed company. The judge held that these allegations had been proven, and maintained the contestation. This decision will materially benefit the general creditors, whose dividend, had the claim been allowed, would have been very limited indeed.

It is a significant incident of the trip of the

Toronto Lacrosse team to New York, that when the members visited Wall Street last Wednesday the members of the Stock Exchange, upon perceiving them in the gallery, suspended business, and ceased their stentorian calls long enough to give the team three times three hearty cheers, to which the Canadian group, some twenty in number, responded. When so preoccupied a body as the New York stock operators intermit their labors to do such unusual honor to a handful of our stalwart and fresh colored young men, illustrating during their visit a national pastime, it must mean that the latter are welcomed either as lacrosse players or as Canadians; if the former, then we may take the circumstance as an indication that our picturesque and vigorous national game has taken strong hold of the fancy of our somewhat jaded friends on 'Change as well as of the popular fancy evidenced by the crowds which witnessed the games and matches; if they were welcomed as representatives of young Canadians simply, then we need apprehend at least no hostility from the Wall street bulls and bears. whatever may be the sentiments of those merchandise exporters to Canada whose occupation, since the adoption of the new tariff, is well-nigh gone. This visit was projected by, and carried out through the liberality of a Canadian, now a resident of Staten Island, but our boys have been received with general hospitality on all hands, and with especial courtesy. Admiration of Canadian sports will be increased by this holiday trip of our Toronto Lacrosse players.

—The Government of Quebec has received an offer from a company to lease the North Shore Railway for thirty years, at \$300,000 a year for the first ten years, \$400,000 for the second, and \$500,000 for the third ten.

THE PRESERVATION OF TIMBER.—The prodigious draught on the resources of the forests which the demands of modern engineering have added to the domestic demands for fuel and house construction, has made the question of preserving timber artificially one of great importance in European countries, as must be the case also in this country at no very distant day. From all accounts, the employment of the mineral salts—those of copper, iron, zinc and mercury—have been practically abandoned as being but imperfectly adapted for the purpose, and creosoting has taken the place of those compounds wherever the preservation of timber by artificial means is practised. The English technical journals are just now exercised over a process of this kind for which great effectiveness is claimed. It is known as Blythe's process. We learn from the *Timber Trades Journal*, the following facts relating to this process that may be of interest to our engineer readers. The theory of the process is, that the antiseptic employed (creosote oil) can be forced into the wood more thoroughly by the action of dry steam at high pressure than by the usual method of forcing the oil by the mechanical action of pumps. The mechanical details of the process are unfortunately not given very intelligently; but from what we can glean, it appears that every green wood may be successfully operated on, the operation being substantially the exposure of the timber in closed chambers to the action of "carbolyzed steam," in which operation

it is claimed every fibre of the wood is impregnated. The results of some comparative tests made of timber sleepers by the Western Railway of France are given, relating to the question of the thoroughness of impregnation by the old process and the new, which are highly favorable to the last named. Of 92 pieces experimented on, 46 by each method, it is stated that while the old creosoting process only increased the weight of each sleeper by 2.5 kilos, the Blythe process added to its 46 pieces the average weight of 10.95 kilos per piece, or nearly 4½ times more of the impregnating fluid than the other.—*Engineering Journal*.

—The Food-Adulteration Acts, which have been in operation in Great Britain for some years, have demonstrated their great utility, since it appears from recent official reports that the adulteration of food and drugs in the kingdom has greatly diminished since these laws have been in force. When the first *Lancet* commission made a report of its inquiries into this subject, it was found that more than one half of the samples analyzed were adulterated. In 1877, when the first official examination of samples was made, under the act of 1875, it was found that the proportion of adulterated samples had fallen to 19.2 per cent; in 1878 the proportion had fallen to 17.2 per cent. Excluding spirits from the estimate, the per centage of adulteration would be 15.5 in 1877, and 13.7 in 1878.

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