It is reported that the C.P.R. will build another elevator at Fort William, next spring, to have a capacity of 2,000,000 bushels.

Sandon & Sutherland, of Kingston, have been awarded the contract for erecting the Canadian mint in Ottawa. The price is $262,000.

The North American Saw Co., of Philadelphia, has purchased a site in Toronto, upon which it intends to erect a branch factory.

The gold medal for surveying and drawing instruments was awarded to W. F. Stanley & Co., of London, Eng., by the jury at the St. Louis World's Fair..

The Peterborough Radiator and Boiler Company will establish a factory in Peterborough for the manufacture of the Sturgeon heater, invented by a local plumber.

There is a proposal to establish an electric iron smelter at Peterboro. Power can be obtained cheaply, and ore from the Belmont mines is particularly adapted to electrical treatment, samples having shown 70 per cent. iron after magnetic separation.

The Dominion Iron and Steel Co. report so many orders in the wire department that double shifts of men will be put on. It is expected that the rail mill will be in operation in April. The company has purchased the machinery for its projected plate mill.

The Taylor-Forbes Co., of Guelph, are going into the manufacture of radiators, and hot water and steam-heating boilers. For this department a new plant is being constructed. J. P. Hockin, formerly superintendent of the Dominion Radiator Co., is associated with the mechanical department.

The large new shops of the Grand Trunk Railway, at Stratford, are rapidly nearing completion. Several carloads of machinery have been received from the John Bertram & Sons Company, Limited, Dundas, Ontario, which firm was awarded the contract for the entire equipment of iron-working tools.

The Montreal Water Committee will call for tenders for one 12-million gal. steam pump, one 12-million gal. electric pump, and one five-million gallon turbine pump. As but one 12-million gallon pump is needed, the committee will pick out the most advantageous tender, whether it is an electric or steam pump.

Ahearn & Soper, of Ottawa, have been awarded the contract for supplies for the Welland Canal, amounting to $60,000.

The sardine business of Eastport and Lubec, Me., is estimated at about $3,000,000 a year, and about two-thirds of the fish used come from Canadian waters. The Government Fish Commission is about to make a report, and, it is understood, that this will recommend drastic measures for the purpose of securing the sardine industry for the Maritime Provinces.

The contract for supplying 10-inch tubing for the pneumatic postal tube systems in Toronto and Montreal has been awarded to Messrs. MacLaren, of Glasgow. Forty thousand lineal feet, at a cost of $1.32 per foot, is being contracted for, and excavation for the work will begin next spring, as soon as the frost is out of the ground, and the system is expected to be in operation in both cities by the beginning of winter. John Galt, C.E., of Toronto, will be in charge of the construction work.

The Mond Nickel Company, of Victoria Mines, are roofing their new smelter with galvanized corrugated iron, supplied by H. S. Howland, Sons & Company, Limited, of Toronto. The iron is the "Orb" brand, made by John Lysaght, Limited, of Bristol, Eng. It is heavily coated and made specially for exposure to fumes, such as those at the smelting works. A. C. Leslie & Company, of Montreal, are general agents in Canada for this celebrated galvanized iron firm, who make iron for any special purpose, as well as for the ordinary requirements of the trade.

Four years ago James Clarke bought out the old Cape Breton Foundry and Machine Co., now called the Sydney Foundry and Machine Works, Sydney, N.S. After purchasing, he enlarged the works to twice their former size. This year Mr. Clarke bought over half an acre of adjoining property, on which he is going to build new boiler and construction shops, offices and stock rooms. The property is situated in the centre of the town, close to the railway and water front. The new works will comprise a modernly-equipped foundry complete with crane, tumbling barrels, brass furnaces, etc. Machine shop, and forge equipped with modern tools and appliances. Mr. Clarke's son, W. E. Clarke, is interested in the business in the capacity of superintendent. This year the firm added a 104-in. radial drill, and a 21-in. punch and shears, made by the London Machine Tool Co. of the latest design, and an hydraulic wheel press was added to the machine shop. The specialties of the establishment are C. I. water, and steam pipe and fittings, service and valve boxes, manholes and corporation castings, car wheels, bottle chocks and mining machinery, building columns and ships' propellers. Among new machines ordered are a set of power plate bending rolls and steam hammer. With these they will have one of the best-equipped shops in the Maritime Provinces. Mr. Clarke will be remembered by many of our readers as traveller for John Bertram & Sons Co., of Dundas, Ont., and as having been chosen by the Canadian Government to take charge of the machinery hall at the Colonial and Indian Exhibition, in London, in 1886.

MAP MOUNTING.

Maps or plans that are worth printing or drawing should be worth preserving, and cannot be so kept unless they are properly mounted. There are many ways of doing this, namely, mounted to hang on the wall neatly, either varnished or unvarnished, or on spring rollers to place in a cabinet, or for dissecting and folding to carry in the pocket or file away in a bookshelf. This work can only be done by experienced workmen, and our readers will no doubt be pleased to know that the Steinberger-Hendry Co., Toronto, whose card appears in our advertising columns, make map mounting their special business. They will give estimates on any work of this kind. They also carry in stock maps and atlases of every description and invite correspondence.

—A paper on Failures of Masonry Dams was read before the Engineering Society of the School of Practical Science, Toronto, on the 26th ult., by John S. Fielding, consulting engineer. About two hundred were present, and a hearty vote of thanks was tendered the lecturer. We hope to be able to publish this instructive paper in an early number.

—Prof. Gilbert, of the United States Geological Survey, predicts that the waters of the St. Lawrence upper lakes will in 3,000 years from now pass entirely by way of the Mississippi to the ocean, leaving Niagara Falls escarpment dry. In 500 years the process of tilting will cause an intermittent natural discharge at Chicago. For 1,500 years this discharge will be continuous. In 2,000 years the discharge at Chicago will be equal to the discharge over Niagara Falls. In 2,500 years the Niagara river will have become an intermittent stream. In 3,000 years all its water will be flowing to Chicago to pass down the Illinois river to the Mississippi. It will probably be worth while, however, for the companies at Niagara Falls to continue the installation of their power plants with the hope of at least 500 years' business.

—A contemporary having investigated the waste of coal, due to the dissipation of heat through improperly insulated steam pipes, comes to the conclusion that "from 5 to 25 per cent. of the coal can be saved by the proper insulation of pipes. Look out for the small pipes. If we run a battery of ten boilers with a 12-inch main, and perhaps a large engine, say 100 feet distant, we would lose, by condensation, in an ordinary uncovered pipe, from 400 to 500 pounds of coal daily. But if we divide the 12-inch main into twelve or fifteen 3-in. unprotected mains, and run them around indiscriminately within a radius of 75 or 100 feet, we can easily waste from 500 to 2,500 pounds of coal daily." In this connection it is interesting to note that the steam user is becoming appreciative of the saving of coal by good insulation, as is demonstrated by the growing demand for "Remanit," the remarkably efficient non-conductor of heat, made by The James Morrison Brass Mfg. Co., Limited, of Toronto, as a covering for pipes and steam mains.