

RAILWAY NOTES.

Three overhead bridges will be required for the proposed C. P. R. line between Victoria Harbor and Peterboro', Ont.

Over \$250,000 will be spent by the C. P. R. this year on new telegraph lines and extensions, and improvements of the present system, west of Lake Superior.

The Toronto Street Railway Company has ordered 5,000 tons of 90-pound girder rails from the Lorain, Ohio, plant of the United States Steel Company. This, with 1,000 tons on hand, will enable the company to re-lay 42 miles of system.

Resident Engineer Somerville, of the Grand Trunk, stated that three steel bridges will be required to carry electric cables over their rails. Two will be in the vicinity of Niagara Falls, and one at Bronte. The cost of the bridges would be from \$2,000 to \$5,000.

The Federal Department of Railways has approved the plans for a 2,000,000-bushel wheat elevator at Port Colborne, the plans for which have been prepared by Mr. Jamieson, of Montreal. Tenders for the construction of the elevator will be called for early this year.

The commissioners of the Temiskaming Railway have informed the Ontario Government of their intention to electrify the railway from North Bay to the Blanch River, 38 miles north of New Liskeard. This will mean the electrification of the first 151 miles of the road. The power will be obtained from the waterpowers along the route.

It has been decided that the G. T. R. shops in Stratford will be enlarged and a boiler and plate shop erected. The dimensions of the boiler shop will be about 225x120 feet; and those of the plate shop about 125x50 feet. A rough estimate of the cost, exclusive of machinery, is between \$75,000 and \$100,000. When the new buildings are completed the works will provide accommodation for 1,500 men, and it is expected to have this number employed by next winter.

The Grand Trunk Pacific Branch Company is asking for incorporation for the purpose of building branch lines to connect with the transcontinental railway. The directors of the company will be practically the Grand Trunk Pacific directorate. It is proposed to build branch lines to Halifax, St. John, Montreal and Ottawa, in Eastern Canada. Among western connections will be a branch to Calgary, Battleford, Brandon, Regina, Hudson Bay and Vancouver. The intention is to build twenty-three branches in all.

The annual report of the Ottawa Electric Railway Company shows that the business of the road has steadily increased year by year. Last year the number of passengers carried was 9,891,000, and the receipts were \$449,633. The net profit for the year was 14.3 per cent. Of this amount 10 per cent. was paid in dividends and bonus and the balance, \$44,000, was applied to the reduction of plant and profit and loss accounts. It is claimed that the percentage of profit of the last year's business is the best ever shown by a street railway in Canada, the Montreal road coming next with a percentage of 11.25.

MINING MATTERS.

A refinery to treat silver ores will be established at Hamilton.

It is stated that one hundred years will probably see the exhaustion of the world's present iron ore sources.

The Granby Consolidated Mining, Smelting and Power Company, Granby, B. C., one of the larger mining interests in British Columbia, has recently added another converter stand, complete with hydraulic cylinder for operating the same, to those already installed. The new equipment was purchased from the Allis-Chalmers Company, Milwaukee.

The Allis-Chalmers-Bullock, Limited, Montreal, the Canadian representatives of the Allis-Chalmers Company, Milwaukee, recently received an order from the Canadian Forty Mile Gold Dredging Company, of Toronto, Canada, for a special gold dredge equipped complete with 5 1-3 cu.

ft. buckets. The contract covers the entire machinery equipment complete, ready for operation, including electric light plant, two boilers, 100 h.p. each, engines, pumps, etc. The dredge will be ready for use early in May.

It is reported that Mackenzie & Mann have purchased a ten thousand dollar option on an iron mine at Hutton, Ont. and that a huge smelter will be erected in Toronto for the treatment of the ore. The location of the smelter is said to be in Ashbridge's marsh, at the mouth of the Don, and color is lent to the rumor by the fact that the James' Bay branch of the Canadian Northern will enter Toronto by way of the Don valley, going as far south as possible in the direction of the marsh. It is said that \$5,000,000 will be expended in the erection of the smelter.

LIGHT, HEAT, POWER, ETC.

A power dam costing \$250,000 to generate 2,575 horse power, on the Maitland River, about four miles from Goderich, probably will be commenced within a few months.

The City Council of Sherbrooke, Quebec, has decided to instruct the city solicitor to take proceedings to force the Power, Light and Heat Company of Sherbrooke to sell its plant to the city at a price to be fixed by arbitration.

Mr. John Knox, on behalf of the Western Counties Electric Company, recently purchased from Alfred John Wilkes and George H. Wilkes, the entire stock and assets of the Brantford Electric & Operating Company, Limited.

The Provincial Light, Heat & Power Company will construct a new power house to develop water power on the Soulanges Canal near Cedar Rapids. Plans for the electrical equipment are being prepared by R. S. Kelsch, C. E., Montreal.

Syracuse, which is fifty or sixty miles farther away from Niagara than Toronto, is likely to enjoy the advantage of having power delivered there much before the latter city, as the Niagara, Lockport, and Ontario Power Company has acquired the right of way for transmission lines.

The Canadian Westinghouse Company is now at work on a large order for the British Columbia Electric Railway Company. They are putting in a 1500 k.w. generator, and installing the plant at a sub-station with transformer, roller converters, and switchboard. The value of the contract is \$90,000.

For the first time since the first power plant on the Canadian side of the Falls was put in operation one of them was shut down by the ice jam on February 5th. The power company was idle for about seven hours because of the quantities of ice in the forebay crowding into the racks at the intake. The run of ice in the river is very heavy and a big ice bridge has formed in the gorge below the Falls.

Plans and profile have been registered by the Toronto & Niagara Power Company in Welland registry office for a power transmission line commencing at a junction with the Toronto & Niagara Power Company's main line on the farm of H. Coon in the township of Pelham, and continuing westward over the farms of H. Coon, Willis Bros. and Chas. McGlashan, to the township of Gainsboro, (a distance of one mile.) The line will run to Brantford.

The report of the light department of the City of Kingston, Ont., shows that the city's light, heat and power plant earned a surplus over all expenditures of \$5,674 for the year 1905. During the year there was spent out of the earnings \$25,000 on capital account and \$10,000 for repairs and betterment of the plant; at the same time there was a reduction in price of light, heat and power to consumers from the rates charged by the private company of \$4,500.

Arrangements are being made for transmitting electric power from Hannawa Falls, N. Y., to Brockville, Ont., via Ogdensburg and Prescott. The line will come to Ogdensburg, N.Y., without fail, it is stated, and if sufficient inducements are held out, a cable will be laid across the river between Ogdensburg and Prescott, Ont., and continued to Brockville. It is estimated that the electricity can be generated at Brockville at a cost of about \$35 per horsepower.