

MARINE NEWS.

A concrete bridge costing \$20,000 is to be built across the Rideau river at Ottawa.

The Dominion Government will build a modern dry dock at Montreal. It will be 600 feet long and 80 feet wide.

Messrs. Whalen & Bowman, of the Great Lakes Dredging Co., Port Arthur, will erect a large dry dock at Fort William, Ont.

The Department of Railways and Canals, Ottawa, are inviting tenders for the construction of a concrete retaining wall on the Welland Canal, near Ramley's Bend.

Hon. Raymond Prefontaine, Minister of Marine, will ask a London expert to design a new ice-breaker for the winter route between Pictou and Georgetown, P.E.I.

It is said that the Government is seriously contemplating assuming control of the port of Montreal, which will mean an addition of \$10,000,000 to the debt of the country. The idea is to make Montreal a free port.

M. J. Haney & Co. have constructed a \$5,000 wharf at Ward's Island, Toronto, to accommodate the \$100,000 worth of machinery which is to be used in the construction of the water tunnel beneath the bay. Machinery repair shops will also be constructed there.

There are now nearing completion upon the Clyde, in Scotland, for the Canadian Atlantic service, two mammoth steamships built upon original lines and designed to be among the most comfortable, safe and speedy vessels afloat. To give their patrons the best has always been the motto of the Canadian Pacific Railway, and in its magnificent new steamships, embodying the latest improvements in marine architecture, the company has raised a high standard of excellency, which will be difficult to surpass. The new steamers will be by far the largest vessels running to Canadian ports, being 14,500 tons burthen, 570 feet in length, and 65½ feet beam. They are guaranteed to make twenty knots an hour, and thus will reduce the time between Liverpool and Quebec to about six days. The interior fittings are magnificent, and the passengers' comfort is the essential feature of their equipment, with ample room for 300 first class, 950 second class, and 1,000 third class passengers. These steamships will be called respectively, the Empress of Britain and the Empress of Ireland, and will be ready for service on the opening of the St. Lawrence route in 1906.

MINING MATTERS.

Canada has produced \$35,000,000 worth of nickel.

Canada has the best and richest asbestos in the world.

J. P. Smith will erect a factory at Vancouver, B.C., for the manufacture of mining machinery.

Arsenical iron has been discovered on Bowen Island, near Vancouver, B.C.

The Nova Scotia Steel and Coal Co. are opening a new colliery between Sydney No. 3 and Little Bras d'Or.

W. C. Thomas has been appointed smelter superintendent of the Dominion Copper Co.'s works at Boundary Falls, B.C.

The Dominion Copper Co. will build a new smelter in the Boundary district, Grand Forks being the site under consideration.

It is said that diamonds and garnets have been found a few miles north of Sault Ste. Marie. The Ontario Geological Department will investigate.

Messrs. Mackenzie & Mann will establish a second blast furnace at Port Arthur as a result of recent mining developments in Loon Lake properties.

The Nova Scotia Steel Company has sold the abandoned works at Ferrona and the mine there for \$200,000, making a better sale than had been expected.

A report comes from West Bay, N.S., that a valuable discovery of mica has been made in that vicinity. De-

velopment work shows that the mineral exists there in large quantities.

The Marion Steam Pump Company is operating a gold dredge on the Yukon river, some fifty miles up from Dawson, and is said to be making large profits. The plant is operated by electricity.

The Pilot Bay smelter, situated on Kootenay Lake, near Nelson, B.C., has resumed work after being closed since 1898. The zinc reduction works will be used in conjunction with the plant.

The Canadian Northern Coal and Ore Dock Co., Port Arthur, Ont., has recently purchased from the Robb Engineering Co., Limited, Amherst, N.S., one 300 h.p. Robb-Armstrong tandem engine.

I. Mathewson & Co., Limited, New Glasgow, have under construction a complete gold mining outfit for Newfoundland. The plant will consist of a crusher, engines, boilers, tools and concentrating tables.

The report of the directors of the Dominion Iron and Steel Co., who held their annual meeting on October 18th, shows that the earnings for five months amount to \$366,062, not including the profits on the steel rail mill.

Prof. Miller, Provincial Geologist, reports an important discovery of Bessemer iron ore at Loon Lake, east of Port Arthur, Ont. It is said the deposits are much more extended than first supposed, and that the quality is of a high grade.

An output of 800 tons per day is being steadily maintained at the new mine of the International Coal and Coke Co., at Coleman, Alta., and the production can be increased at any time to 1,500 or 2,000 tons a day, as the mine, haulage system and tipple are now in a position to produce and handle a tonnage of that size should the demand warrant it.

Ontario ores are in demand in Europe. Two requests from Holland to be put into communication with sources of supply have been received at the Bureau of Mines this week. Joh. Otten and Zoon, Rotterdam, apply for information as to where they can obtain supplies of nickel, copper and iron ores, which they are prepared to buy here and export to Europe. They desire especially to obtain iron ore high in phosphorus and good nickel ore. The Antwerp Trading Company, Antwerp, is looking for cobalt ore and copper ore.

LIGHT, HEAT, POWER, ETC.

A company has been formed at London, Ont., to develop electric power from the Thames.

At Parry Sound, Ont., a by-law to raise \$20,000 to improve the electric light plant was carried.

The Canadian General Electric Co., Toronto, are supplying electrical machinery for the Kaministiquia development at Fort William, Ont.

Port Arthur, Ont., is installing a new 4,000-light dynamo in the power house there, which will increase the capacity of the works to 8,000 lights.

The city of Kingston, Ont., has been granted permission to issue debentures to the amount of \$20,000 for improvements to the electric light plant.

At Exeter, Ont., a by-law to authorize the council to buy out the electric light plant at a price not to exceed \$18,000 was defeated by a small majority.

An up-to-date alternating electric light plant will be installed at Canning, N.S. A line to Kingsport and to Sheffield's Mill will be extended in the spring.

The Pembroke Light, Heat and Power Company has been formed to acquire water power on the Black river for the purpose of adding to the present electric light system.

A by-law to authorize the council of Exeter, Ont., to purchase the existing electric light plant at a price not to exceed \$18,000 was defeated by eight votes on September 24th.