

The E. Long Manufacturing Co., of Orillia, have ordered a standard duplex pump from The Smart-Turner Machine Co., Limited, Hamilton, Ont.

Fire caused about \$10,000 damage to the machine shops of the John Gillies Estate Company, Limited, recently.

The Marconi Wireless Telegraph Company has ordered from the Robb Engineering Company two 150 horse-power Robb-Mumford boilers for their station at Glace Bay, C. B.

The Canada Coating Mills, Georgetown, has placed an order with The Smart-Turner Machine Co., Limited, Hamilton, for four of their centrifugal pumps.

A 42-in. sand blow-off for 7-foot Penstock, designed by Ross & Molgate, engineers, Montreal, and built by The Jenckes Machine Co., Limited, of Sherbrooke, Que., was recently shipped to the West India Electric Co., Kingston, Jamaica.

The Smart-Turner Machine Co., Limited, Hamilton, Ont., have received an order for a side suction centrifugal pump from The John Whitfield Co., Toronto, Ont.

The Canadian Chrome Co., of Thetford Mines, are installing an additional 10 stamps in their stamp mill, which will bring it up to 20-stamp capacity. Since commencing operations about a year ago, this company has met with excellent success in marketing their product, which is of an especially fine grade of chrome iron concentrates, hence the present increase of plant. The additional equipment was furnished complete by The Jenckes Machine Co., Limited, of Sherbrooke, Que., who were also contractors for the first 10 stamps.

Works for the manufacture of tubes and wire nails are projected at Port Arthur, Canada. The town will furnish a site of 100 acres, which it has yet to purchase; it will take £20,000 of the company's bonds at par; it will have three representatives on the board of directors; and it will appoint the company's treasurer. On their part the promoters contract to erect boiler, tube, and pipe mills costing £150,000, to begin work on the mills three months after the agreement is ratified by the ratepayers; to make the works of 1,000 tons monthly capacity; and to employ 250 men from the beginning. The plant is to be operated by electricity, requiring from 1,500 to 2,000 horse-power.

Work on the new municipal electric lighting plant for Drummondville is about to commence. The Standard Construction Co., of Montreal, have the contract. The contract for the hydraulic machinery has been sublet to The Jenckes Machine Co., Limited, of Sherbrooke, Que., and the contract for the generator has been sublet to the Canadian General Electric Co., Toronto. The water wheel plant will be composed of one 55-in. special Crocker turbine vertically set in steel case and complete with gearing, bridgetrees, shafting, etc. Under 11 feet head the turbine will develop 240 horse-power at 90 revolutions a minute. The generator will be of 150 K.W. capacity.

Port Arthur, Ont., is to become a prominent manufacturing centre of the North-West, says a dispatch from that city. With the establishment of the blast furnaces at that place by the Atikokan Iron Co., attention has been drawn to Port Arthur, and recently several representatives of industries have been in Port Arthur negotiating with the authorities. The Seaman-Kent Company, manufacturers of mantles, etc., will locate a factory there, and the employment to fifty hands is assured. Last year the company shipped from their present factory at Meaford over 100 cars of material into the North-West. A concern is now negotiating for the manufacture of cement at Port Arthur. The great market of the West is attracting the cement makers.

The Jenckes Machine Co., Limited, of Sherbrooke, Que., are building the turbines and Allis-Chalmers-Bullock, Limited, of Montreal, the generator for Parry Sound's addition to its lighting plant. The turbine plant is made up of a pair of special 38-in. Crocker turbines, set in steel case, with quarter turn elbow and developing 750 horse-power at 200 revolutions under 25 feet head. They will be direct connected to a 425 K.W. 3-phase alternating current Bullock generator.

MARINE NEWS.

Navigation for the Toronto Ferry Company opened on April 3rd, when the "Island Queen" made her first trip across the bay this season.

The Dominion Government quarantine steamer, "Alice," being built by the Canadian Shipbuilding Company, was launched on April 7th, at the shipyard in Toronto.

The Niagara Navigation Company will commence the season on May 1st this year, 15 days earlier than in previous years. From June 12th, six steamers will be in service.

The opening of navigation in Owen Sound commenced on April 9th, when the "Caribou" sailed for the Collingwood drydock for repairs. The "Glenella," a big grain freighter, also left port on that day for Fort William.

Sturtevant marine generating sets, built by the B. F. Sturtevant Company, Boston, Mass., are to be installed on the Toronto Ferry Company's new boat, "Bluebell," built by the Polson Iron Works, Limited, Toronto.

A Toronto man has invented a preparation for removing barnacles from ships. The preparation is a sort of paint or wash, which is applied to the keels of the vessels while they are in dry dock, and it prevents barnacles from clinging to the keel or hull.

The "Empress of Britain," the Canadian Pacific Railway Co.'s new steamship, concluded her trial trip around Ireland, from Glasgow to Liverpool on April 22nd. She encountered a heavy sea, but made a splendid performance. She will sail on her maiden trans-Atlantic voyage May 5th.

The Canadian Shipbuilding Company are rushing to completion their Bridgeburg yards, so that they can commence the building of two large steamers, for which they have orders, one for the Chicago and St. Lawrence Navigation Co., and the other for the Canadian Pacific Railway Co.

It is understood that the Turbine Steamship Company of Hamilton, which ran the steamship "Turbina" on the route between Toronto and Hamilton last year, has been reorganized. The T. Eaton Company, of this city, has bought up enough of the stock to elect John C. Eaton president; John Vaughan, of the Eaton Company, secretary-treasurer, and Harry Magee, of the same company, on the board of directors.

"Blue-Bell," the Toronto Ferry Company's new boat, building at the shipyards of Polson Iron Works, Limited, Toronto, was successfully launched on April 16th. The "Bluebell" when completed, will have cost \$65,000, and will carry 1,200 passengers. She is 150 feet long and 45 feet wide. She will be equipped with a 90-horse-power low pressure duplex engine, with low shafts, the first of the kind built in Canada. The steam-steering gear was built in Glasgow and cost \$8,000. Both ends of the boat can be controlled from either end.

The Dominion Government has under consideration the construction of a second ship canal at the Soo. Towards this the Provincial Government is being asked to grant 55 acres of land, part at the eastern and part at the western entrance of the proposed new canal. The rest of the land necessary would, no doubt, be expropriated. The new canal will be 1,400 feet long, or 500 feet longer than the existing canal, 80 feet wide, which is 20 feet wider than the present one, and considerably deeper. The increased width, depth and size will be necessary in order to accommodate the large freighters now being built, some of them having a 65-foot beam. The cost, it is estimated, will be about \$10,000,000. The canal would parallel the present one.



RAILWAY NOTES.

The Winnipeg Street Railway Company will sue the city to recover compensation for the damages inflicted to its cars during the recent strike riots.

Messrs. McKenzie and Mann, the railway constructors, are said to be building steel mills at Port Arthur and Fort William, in Ontario, which will be the largest in Canada.