

## CAPTAINS OF INDUSTRY.

The following items of information, which are classified under the title "Captains of Industry," relate to matters that are of special interest to every advertiser on these pages, and to every concern in Canada interested in any manufacturing industry whatever, this interest extending to supply houses also.

If a new manufacturing enterprise of any kind is being started, or an electric lighting plant instituted, or an electric railroad, or a telephono, or a telegraph line is being constructed; or a saw mill, a woolen, cotton, or knitting mill; or if any industrial establishment has been destroyed by fire with a probability of its being rebuilt, our friends should understand that possibly there may be something in the event for them. Do you catch on to the idea?

The starting of any such concern means a demand for some sort of machines, machinery, or supplies, such as steam engines and boilers, shafting, pulleys, belt ing, lubricants, machinery supplies, wood or iron working machinery, ventilating and drying apparatus; pumps, valves, packing, dynamos, motors, wire, arc and incandescent lamps, and an infinite variety of electrical supplies, chemicals, acids, alkalies, etc. It is well worth the while of every reader of the Canadian Manufacturer to closely inspect all items under the head of Captains of Industry.

A by-law to take \$20,000 worth of stock in the Queenston, Niagara & St. Catharines Electric Railway Co. has been carried by the town of St. Catharines, Ont.

The Steele Engineering Co., Philadelphia, Pa., who have had charge of the work on the addition to the plant of the Toronto Carpet Mfg. Co., have about completed their contract.

The Rand Drill Co. have been awarded the contract for furnishing two large compressors to be used in the central air power plant, 18 miles below Sault Ste. Marie. They will supply air to operate 25 Little Giant rock drills, 4 three-ton cableways and 4 large water pumps. Their combined capacity is 6,600 cubic feet of free air per minute. The work in hand is for constructing and dredging a two-mile channel in the Soo River, wide and deep enough for the navigation of large vessels.

The new grain-carrying steamer Had-dington, launched at the shipyards of the Bertram Engine Works Co., Toronto, last week, will run between Fort William, Ont. and Montreal. She is 254 feet long, 42 feet beam, 18 feet deep, and fitted with two Scotch return tubular boilers 10 feet in diameter and 11 feet long. Her engines, which are of the triple expansion type, have cylinders of 15 inches, 25 inches, and 42 inches in diameter, and a 30-inch stroke. She will have six 3-ton cranes for handling freight, and has a capacity to carry 75,000 bushels of wheat.

The Canadian Westinghouse Co., who are erecting large shops in Hamilton, Ont., intend to heat their buildings by the blast or fan system of heating and ventilating. The contractors for the erection of their buildings, the Westinghouse Church Kerr Co., of New York city, have placed the order for four large fans with Sheldon & Sheldon, Galt, Ont. The four fans in question have a combined capacity of handling 152,000 cubic feet of air per minute.

The Guelph & Goderich Railway Co., capital \$125,000, have been organized to build an electric railway between the two points. Some 80 miles have already been surveyed. William Bell, Guelph, Ont. is interested.

Since the acquisition by the Grand Trunk of the Hamilton, Grimsby & Beams-

ville Electric Road the Canadian Pacific Railway have been busy trying to acquire similar lines on the fruit belt of the Niagara Peninsula, and are reported to be after the Hamilton Electric Radial Railway Co.

The County Commissioners have granted the Hamilton, Caledonia & Lake Erie Electric Railway Co. the right of way over the major portion of the Caledonia road, but at points where the road is narrow the company will have to purchase the right of way through private property.

The Metropolitan Electric Railway, which runs from Toronto to Newmarket, a distance of 40 miles, has been sold to the Toronto Railway Co. The Schomberg & Aurora Electric Railway, which runs from Aurora on the line of the Grand Trunk to Schomberg, has also been sold to the Toronto Railway Co. The Toronto & York Radial Electric Railway Co., which recently received a charter, have sold their franchise to the Toronto Street Railway Co.

The Lake Superior Corporation have begun shipping iron ore from the Helen mine, at Michipicoten. Its product has been sold to American furnaces.

R. H. Flaherty, who has been exploring on the Canadian side of the international line north from Minnesota for several years, most of the time for the United States Steel Corporation, has found what he claims is a very valuable iron ore property a short distance east of Port Arthur, on Thunder Bay.

Chadwick Bros., brass manufacturers, Hamilton, Ont., will erect a new factory in the northern part of that city.

W. J. McGuire & Co., Toronto, representing the International Sprinkler Co., Philadelphia, gave an exhibition a few days ago at the works of Christie, Brown & Co., showing the operation of the new water curtain with which that factory has just been equipped. The system consists of a series of pipes fitted with sprinkler heads, and is designed to protect the outside of the building in connection with the interior sprinkler system.

A new water power plant will be installed by the Meaford Rolling Mills, Meaford, Ont.

The St. Anne Falls Power Co., Quebec

City, have been absorbed by the Quebec Power & Electric Co., of that city.

The Canadian Cement & Brick Co. purpose establishing a plant in East Toronto and have asked for exemption from taxation.

A new fog horn is being installed at the Eastern Gap, Toronto. An air-compressing engine will be installed in the new power-house, which will be run by electric power supplied by the Toronto Electric Light Co. The air to blow the horn will be carried to the light-house at the end of the wharf through a pipe. The whistle can almost instantly be blown, as all the man in charge needs to do is to turn on the electric power.

The W. J. Gage Co., Toronto, have purchased property on Spadina Avenue, near King Street, and will erect a factory 204x120 feet.

Sir Frederick Borden, the Dominion Minister of Militia, has practically completed the negotiations which he has been carrying on for some time past with the celebrated English gun and ammunition manufacturing firm of Armstrong & Co., for the establishment and operation of cartridge factories at various points in the Dominion. A contract is now being prepared, and will be executed shortly, under which Armstrong & Co. will establish and operate at or near Ottawa a cartridge factory with a capacity of 20,000,000 rounds annually. The capacity of the existing Government factory at Quebec is 24,000,000, so that the establishment of this factory will almost double the existing resources of the Dominion for providing ammunition for the militia force. The Minister has also made provision in the contract for the establishment of factories of similar capacity in Manitoba and British Columbia whenever required by the Government.

The Metal, Shingle & Siding Co., Preston, Ont., whose plant was destroyed by fire July 15, with a loss of \$40,000, are preparing to rebuild.

Tenders for a telephone franchise for the City of Toronto will be received by the City Controller up to October 1, 1904. The franchise is to be granted for ten years with renewal privileges.

Workmen have commenced excavating the foundation for the new \$100,000 sub-station to be erected on the west side of Davenport road north of the Canadian Pacific Railroad tracks for the Toronto & Niagara Power Co. The excavation indicates that the building will be 225 feet long and 80 feet wide. It was stated that the structure would be absolutely fireproof, the material consisting of concrete, brick, stone and iron. The company will build another sub-station on the banks of the Niagara River above the power house. The two substations will be almost identical in construction.

W. J. Devlin, Pembroke, Ont., has organized a company with a capital of \$20,000, to erect a foundry at North Bay, Ont.

A move is on foot to establish a glass works at Dundas, Ont. Mayor Lawson, of that town, is interested.