

that rate if necessary; and can load wheat into vessels at the rate of 100,000 bush. an hour.

The C.P.R. has ordered a steam turbine generator for the power plant at its Fort William, Ont., elevators. This engine will be in addition to the two now installed there and will bring the total available power up to approximately 2,100 electrical h.p., all of which will be utilized in the C.P.R. grain handling plant. The new machine will be what is known as a Westinghouse-Parsons turbo-generator and is to be manufactured by the Canadian West-

inghouse Co., Hamilton, Ont. The mechanism of this engine is similar to the new turbine steamers, but instead of the shaft driving a propeller, it is directly connected to an electrical generator, and the electrical energy generated is wired to the different buildings where it may be needed. In power it is rated at 500 kilowatts or roughly 600 electrical horsepower, and as it will be running parallel with the two compound engines now in position, will serve as a test of the relative efficiency of the turbine and the oscillating engine.—American Elevator.

#### Port Colborne Harbor Works.

The Dominion Government is carrying out an extensive system of harbor works at Port Colborne, Ont., situated at the southern or Lake Erie end of the Welland Canal. This canal is navigable for vessels drawing 13½ ft. and therefore deep draught Upper Lake vessels must unload there, or should their other dimensions suit, lighten sufficiently to enable them to pass through. The work at Port Colborne was taken in hand in 1899, with the object of making the place a tran-

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