

Messrs. Gilmour & Co., Trenton, Ont., have placed a large Northey pump in their lumber mills.

The town of North Bay has added two Northey pumps to their pumping plant.

A Northey Duplex pump is to be placed in the SS. Cuba, of the Merchant Line.

James Fleming, St. John, N.B., has installed a Northey combined air and feed pump.

The Incandescent Electric Light Co., Toronto, are installing a Northey compound plunger pump.

The Dominion Coal Company, Sydney, C.B., are putting a large Northey pump in their mines at that place.

Riordan Paper Mills, Merriton, Ont., will install a Northey triple plunger pump to be run by water power for boiler feeding.

D. Goldie, of Ayr, Ont., has ordered a new Cross Compound Wheelock engine of 350 h.p. from the Goldie & McCulloch Co., Galt.

Messrs. Bowman & Zinkam, Southampton, Ont., have recently installed several Northey pumps, among them a vertical artesian well pump.

The Canada Coal & Railway Co., Joggins' Mines, N.S., will install more pumping machinery, which has been ordered from the Northey Co., Toronto.

Messrs. Bowman & Zinkam, Southampton, Ont., are placing a new 30 h.p. Wheelock engine in their tannery, made by the Goldie & McCulloch Co., Galt, Ont.

Westinghouse, Church, Ker & Co., Boston, Mass., have placed a Northey pump in the refrigerator plant they have just built for F. W. Fearman, of Hamilton, Ont.

Messrs. Hawes and Matchett, St. Thomas, Ont., are placing a new 50 h.p. steel boiler and 40 h.p. Wheelock engine in their factory, both from the Goldie & McCulloch Co., Galt, Ont.

The contract for the ten electric motors which are to operate the locks at the Sault Ste Marie Canal, has been divided between Messrs. Ahern and Soper, Ottawa, representing the Westinghouse Company, and the Canadian General Electric Co. of Toronto.

The T. Eaton Co., Limited, Toronto, have placed their order with the Goldie & McCulloch Co., Galt, for one of their Wheelock engines of 150 h.p., this being the fifth Wheelock engine ordered from the Galt firm. In addition to this engine they have ordered 80 feet of 4 inch shafting with all ball and socket bearings, friction couplings and pulleys for their new power house now approaching completion.

The woolen mill at Bridgewater, Ont., was destroyed by fire March 31, loss about \$6,000.

Messrs. Gillies & Martin, Teeswater, Ont., have ordered from the Goldie & McCulloch Co., Galt, one of their 30 h.p. Wheelock engines.

Moffatt & Kinch, Peterborough, Ont., have taken over the foundry formerly run by John King & Sons and will run it in connection with their machine shops.

A report made by Mr. George H. Barrus, Boston, to Messrs. Warren Webster & Company, Camden, N.J., with regard to tests made by him at their request upon the Webster steam and oil separators in the power house of the World's Columbian Exposition last October has been published. Two separators were employed in making the tests, one for steam and one for oil, both of the same size and identical in construction. They were attached to one of the duplex steam pumps which supplied water to the Stirling boilers. The results of the steam separator test showed that the separator handled 17½ per cent. of moisture, and within the limit of errors of observation or manipulation, it intercepted the whole quantity that was introduced. The result of the oil separator test was equally satisfactory. One pint of "Capitol" cylinder oil weighing fifteen ounces was introduced into the oil cup, and the whole quantity was discharged into the pump cylinder. Of this there was withdrawn from the separator after drying thirteen ounces, or 86.7 per cent. of the whole quantity. The remainder 13.3 per cent., covered that which disappeared in the process of lubricating the cylinders and working parts, that which clung to the sides of the pipes and the sides and plates in the separator, and that which passed on with the steam and collected in the water of condensation. There was a slight trace of oil on the surface of the water drawn from the condenser, which appeared in the shape of an exceedingly thin film that was barely perceptible. The quantity of steam used was at the rate of 120 pounds per hour. The pump made 53 quadruple strokes per minute, and the oil was used at the rate of from 10 to 14 drops per minute. The time required for emptying the oil cup was two hours. Messrs. Darling Bros., Montreal, are the manufacturers in Canada of this apparatus.

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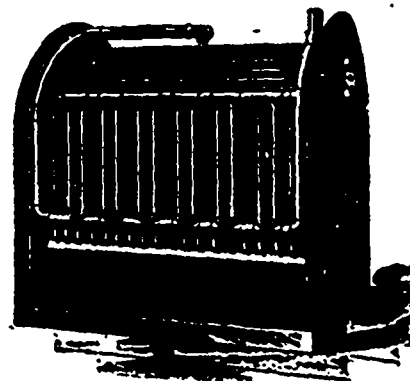
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