

within 2½ years in building a mill on Turtle Lake, above Fort Frances, on the Rainy River, and to make at least 20 tons of pulp daily. Their concession covers an area of about 100 square miles on waters tributary to the Rainy River.

A syndicate of American capitalists has been negotiating for the purchase of the Robitaille limits in the County of Bonaventure, Quebec Province. The property is 300 square miles in extent and is said to be worth half a million dollars, although the Robitailles are believed to have paid for it only \$8 per square mile.

After nearly a year of experimenting A. Cushing & Company, of St. John, N.B., have succeeded in a process which converts the waste of their sawmill into a pulp that is used in the manufacture of cardboard. It is not an entirely new process, but is new so far as the pulp industry in the eastern provinces is concerned. The firm have built a small mill in connection with their sawmill, which takes all the waste, even to the bark. The particular machine in use is the joint invention of Capt. Ellis, former manager of the big Cushing pulp mill, and Geo. S. Cushing, and they have got it patented. The firm will probably add a cardboard plant. They would then have sawmill, box mill, pulp mill and cardboard mill under the one management.

The Sturgeon Falls Pulp Company, Sturgeon Falls, Ont., propose to operate their large paper mill by al-

ternating-current induction motors throughout. Two Westinghouse type "F" motors are to be used to drive the variable speed shaft of the paper machines, and two 75 horse-power, type "C" motors will drive the constant speed line shaft of the same machines. Another 75 horse-power, type "C" motor will operate other machinery in the mill. A 15 horse-power induction motor will be direct connected to a triplex pump; one of 10 horse-power will drive the wet machines; a 20 horse-power motor will drive the agitators for the clay-mixing tanks and a 30 horse-power motor will drive the conveyors. The contract has been placed with the Westinghouse Electric & Mfg. Company, and includes also a 560 kilowatt, revolving field alternator, designed to be direct connected to a water wheel, with the exciter, switchboard and instruments to accompany the generator. The engineer and designer of the Sturgeon Falls plant is Mr. George F. Hardy.

Representatives of the pulp and paper manufacturing companies of the Dominion had an interview with Mr. Parent, Premier of Quebec, on January 25th. They endeavored to secure the Premier's support for their petition to the Federal Government, asking for an export duty on spruce logs and pulp wood at the rate of \$1 per cord for the first year, \$1.50 for the second year, \$2 for the third year, and \$3 for the fourth year and subsequent year. A cord to be of 128 cubic feet. Of the

duty collected, 90 per cent. would be returned by the Federal Government to the land owners of the Government of the provinces from which the pulpwood would be taken. The Federal Government would retain ten per cent. to defray expenses of collecting, etc.

Capt. Ellis, late manager of the Cushing Sulphite Pulp Company, and Mr. George S. Cushing, head of the Andre Cushing lumber business, St. John, N.B., have patented a machine which, if it proves successful in its operation, will be a money-saver for lumber mill owners all over the country. The machine is a pulp grinder, and takes the small waste of a mill, grinding it into a pulp suitable for cardboard. One of these machines is now in operation at the Cushing mill near St. John, and mill men who have seen it express the belief that it will in time become one of the adjuncts of every saw mill. The machine's great advantage is that it takes all kinds of waste, with or without bark, and grinds it into a pulp from which cardboard can be made. Pulp men say the cardboard is of an excellent variety. The machine is simple in construction, easy and inexpensive to operate, and will make profitable an immense quantity of material that has heretofore been burned on the refuse piles of the saw mills. With the installation of this machine for the small waste, and a box machine for the larger waste, the Cushing Company are utilizing about all their product.

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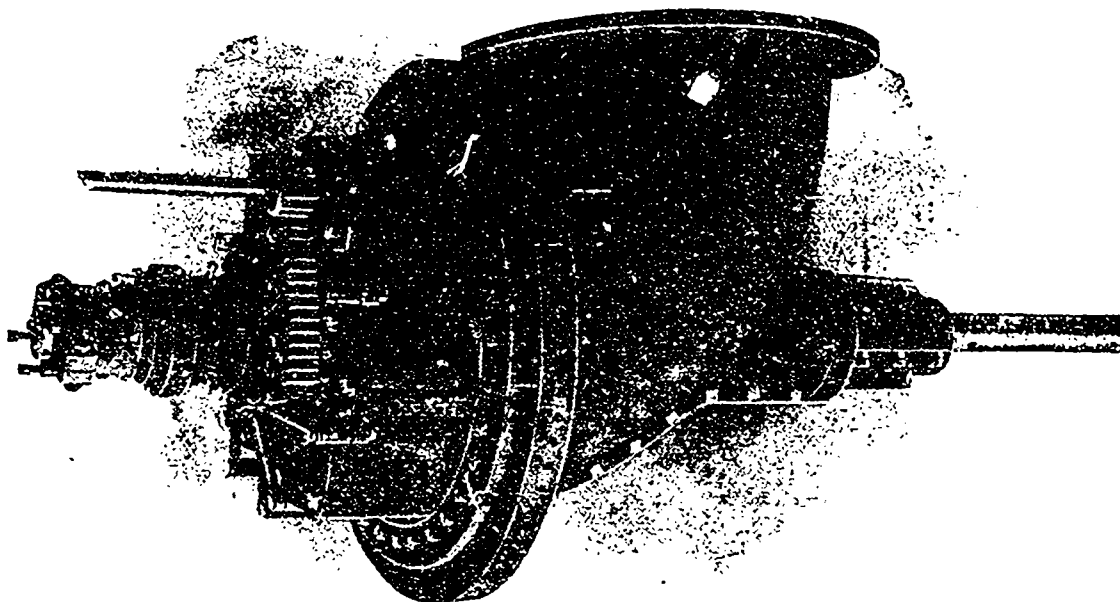
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Some recent contracts filled and under way are the following :

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St. George Pulp and Paper Co., St. George, N. B.
J. R. Booth, Ottawa, Ont.
Georgetown Electric Co., Glen William, Ont.

Town of Cornwall, Ont.
D. F. Jones Mfg. Co., Gananoque, Ont.
Jos. Beaumont, Glen William, Ont.
Kinleith Paper Co., St. Catharines, Ont.

THE JENCKES MACHINE CO., Head Office and Works:
36-40 Lansdowne Street,
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81 York Street, **TORONTO, ONT.**
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