

**THE NEW EDDY MILL AT HULL.**

**P**RINTER AND PUBLISHER was present at the starting of the E. B. Eddy Co.'s new 20-ton mechanical wood pulp mill at Hull last week. The mill, their fourth and largest, is situated south of their No. 1 paper mill and west of the No. 4 mill, and is solidly built on 4-foot stone cemented foundations, with a substantial frame superstructure, clad and roofed with the Metallic Roofing Co.'s best galvanized iron covering. Part of the second floor, a space of about 62 by 74 feet, is used as a rag-sorting room, but the remainder of the building is devoted to pulp-producing machinery. The power is developed by four (two pair) McCormick horizontal turbine water-wheels made by Morgan Smith & Sons, of New York. Instead of the grinders being driven by gears, as is usual, they are operated by Dodge wood split pulley rope drives direct from the water-wheel shafts, which are horizontal. This drive makes the tenth Dodge drive in use by the Eddy Co., of varying capacity, from 25 h. p. to about 700 h. p. each. The grinders are four in number, with 4 pockets, and are the latest and heaviest style of hydraulic grinders made by the Bagley & Sewall Co., of Watertown, N.Y. The wet machines, three in number, were made by the Eddy Co. on their premises. They have all the latest improvements, and are calculated to take care of all the pulp the grinders make. The surplus stock not taken off by wet machines is conducted by gravity to the basement of No. 1 mill, where it is stored, then pumped to No. 3 and No. 4 mills as required. The six new pulp screens used in this mill were also made on the premises. The stones used are partly from the Ohio Stone Co., Cleveland, and partly from Scotland, and are being tried side by side to see which will give the best results. The general mechanical superintendent of the Eddy Co.'s extensive plant, seems quite proud of the very thorough and complete manner in which this last (fourth) pulp mill, put up under his direction, started up. The machinery was installed and the mill put in motion without a hitch. When the mill was first talked of and laid out last year it was thought that it would produce more pulp than would at first be required, but the demands of the paper-making department for pulp, owing to the increased business of the company, will give this mill and the Bagley & Sewall four grinders all they can attend to.

An immense amount of power is required to run this mammoth establishment, and the company, as noted above, believe in the Dodge system of rope transmission of power, having already in use the following drives installed by the Dodge Wood Split Pulley Co., of Toronto: three 500 horse-power drives from water-wheels under No. 1 mill, used for driving the pulp grinders; one 500 horse-power drive in No. 3 mill, from water-wheel shaft to main line; one 200 horse power drive from supplementary engine at sulphite mill to line shaft; one 300 horse-power drive, line shaft in power house at sulphite mill to main line shaft in sulphite mill; one 150 horse power drive from wheel shaft at saw mill to line shaft in new pail shop, a distance of over 200 feet, over intermediate roofs and at irregular angles; one 50 horse-power from line shaft in No. 3 mill to counter shaft in new warehouse, driving elevators, etc., a distance of 250 feet, at irregular angles. They also drive the blacksmith shop by a rope drive of the Dodge Co.'s construction, taking the power from machine shop, quite a distance across the race; and, lastly, two drives of 600 horse power capacity, each just installed

in new pulp grinding mill recently built. This is only a small portion of the power used by the Eddy Co. The Dodge wood split belt pulley is in use almost exclusively throughout the works.

**PULP MILL AT MERRITTON.**

A new company, called the Lyster Pulp and Paper Co. of Merritton, has been formed to lease the old cotton mill there and go into the pulp business. Dr. W. R. Campbell, of Niagara Falls, is president, and Charles Hyde, secretary and manager. The plant proposed to be leased comprises a large four-storey stone building 200 x 65 feet, a brick building 50 x 60 feet, three storeys in height, besides two or three minor buildings, boiler rooms and offices. The water power is excellent, there being a 24-foot head, capable of generating 1,200 horse power. At the start the company will establish a 20 to 25-ton pulp mill. It will adopt the Mills grinder, and put in five as a starter.

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