

The Winnipeg Free Press has an interesting account of the work being done on a great sewer in that city, one and one-half miles long, with a number of branches, in which a Corson dump excavator is being used. Six buckets are kept in constant use, and three sections are being constructed simultaneously, two being dug out, while the third is being timbered. The sections are 48 feet long and are dug out with a degree of rapidity that is most astonishing. Part of the sewer is wood, part concrete, and the branches, where they narrow down, are vitrified clay. Along the main sewer the fall is very slight, being only one foot in 1,000.

The New Brunswick Government is about to make large expenditures on bridges throughout the province. The St. John Sun says the Buctouche bridge will be a difficult piece of engineering. The bridge is a long one and the water is in some places 30 feet deep. Burpee & Simmons have the contract for the substructure, and the Dominion Bridge Co. for the superstructure. E. A. Northrup, of Belleisle Creek, has the contract for the bridge at Springfield, King's Co. Plans are being prepared for a number of stone and steel bridges, for which the contracts will be let later on.

The Department of Militia, in consideration of \$200,000, has agreed to hand over to the City of Toronto for park purposes the whole of the Garrison Common, extending from Bathurst street to Dufferin street, and including, with water lot, 280 acres. New barracks will be built on the Baby farm of 145 acres up the Humber. The city is to maintain the Old Fort and military burying ground as historic landmarks. It is expected a lake shore boulevard will be constructed. A magnificent park, and enlargement of the Exhibition grounds, will be the result. Ashbridge's Bay is also transferred to the city.

An automatic fire kindler, operated by an ordinary alarm passes through a developing bath and a pair of drying rollers, and emerges as a photograph of the writing despatched.

The Intercolonial Coal Co. are putting in a plant to handle 200 tons an hour at Windmill Point, Montreal. The demand for Nova Scotia Coal has increased very much the past year.

—The first regular meeting of the Engineering Society of the University of New Brunswick was held at Fredericton on October 16th. The chief part of the programme consisted of a lecture by Dr. Bailey on the Relation of Geology to Engineering. The lecturer illustrated his remarks by diagrams and specimens. He showed specimens from and treated of that portion of New Brunswick through which it was proposed that the Grand Trunk Pacific shall run. The university has determined to increase the tuition fee for engineering students from \$30 to \$50, after the present academic year.

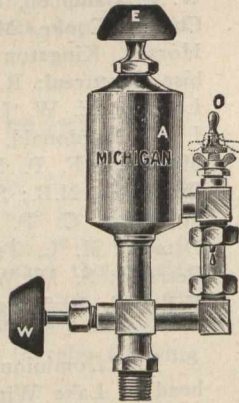
Woodman Bros., electricians, Hamilton, have a somewhat unique contract from the Cataract Power, Light and Traction Co., of that city, in changing the wiring on their transmission line from De Cew Falls to Hamilton, a distance of a little over thirty-five miles. Aluminum is being substituted for copper, and twice the power will be transmitted over what was possible with the old line. The old wires are to remain until the current can be turned on over the new, and as there must be no interruption of the service, the risk to the men employed is very great. They are all experienced and carefully trained, and every precaution has been taken to prevent accident.

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