

in the top row, four in the middle row and three in the bottom row. The four middle holes are loaded and fired first. The two centre holes are run in straight with the walls of the tunnel, but the two middle holes are run in with a slant to the centre. Four sticks of powder are put in each hole.

When these four holes are fired a core about three feet deep comes out. These holes are then reloaded and loads put in the upper and lower tiers of holes. Short fuses are attached to the middle holes, longer fuses to the top holes, and still longer ones to the lower holes. When the shot takes place the remaining two feet of the centre core is taken out and the top and bottom break easily, thus clearing out the entire five feet.

The firing is completed by half-past four and by six the muckers can go in. It takes all night to clean up the muck, filling twenty-five to thirty 17-A cars, and amounting to

thirty-five to forty tons. By six o'clock in the morning the tunnel is ready for the machine men.

This is the way Mr. Heacock is driving a double track tunnel at the rate of five feet every twenty-four hours. These are feats that can be verified by investigation. The amount of powder consumed is seventy-five pounds for every round of holes, and the entire cost is about \$12 per foot. Mr. Heacock estimates that the saving by the use of the big drill is \$15 a day. It is certainly a great drill for straight tunnelling, and will probably be used very extensively in this camp for work of this character.

These drills are made by The Canadian Rand Drill Co., Montreal.

The Barker Lumber Company, Burford, Ont., have added a stove and hoop mill to their factory.

The spring freshets on the St. Croix river, N.S., swept away two dams, the property of Mr. T.G. McMullen of Truro, N.S., and partially destroyed three other dams belonging to W. Hart, Nathaniel Spence and the St. Croix Woollen Mills Company, St. Croix, N.S. Total loss estimated at \$100,000.

The Chicoutimi Pulp Company, Chicoutimi, Que., has been incorporated.

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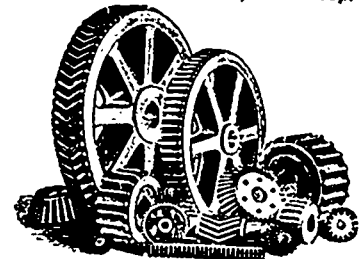
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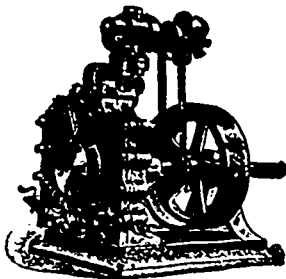
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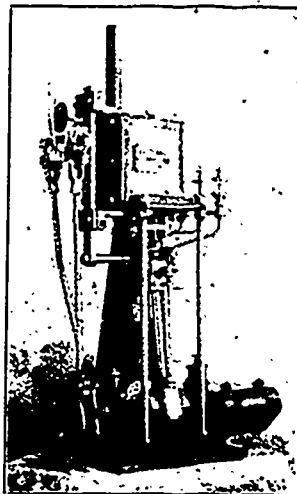
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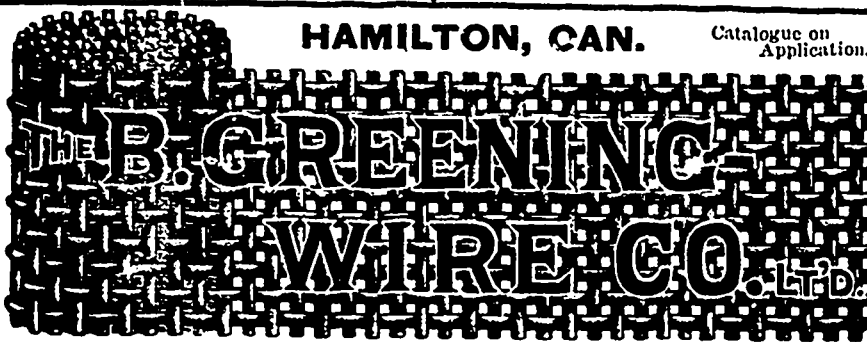
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