

NOTES.

Toronto Globe.—A man in Montreal has been fined for illegally practising dentistry, yet a stationary engineer on whose care and skill a score of lives are daily depending is not required to pass an examination.

The New York Equipment Co. have kindly sent us with their compliments, several vest memorandum tablets made of celluloid—a very useful article.

A new sort of condenser has come into use for steam engines in France. Where steam-power is used on an extensive scale, it often becomes a matter of considerable importance to cool the water condensed from the steam as rapidly as possible. The more quickly the exhaust steam can be condensed into water, the greater will be the difference of pressure between the two sides of the piston, and, consequently, the greater the power developed with a given consumption of coal. For cooling the condensed water, it has been common to run it through clusters of pipes, so as to expose as large a surface as possible to the air, or to allow it to drip through bundles of laths or brushwood into a tank. Under the new system, the condensed water from the exhaust is pumped into a sort of gridiron of large pipes, which are pierced with a great number of small holes, but have no other outlet. The water forced into these pipes under a considerable pressure, spouts in innumerable tiny jets from the holes, and then falls into a tank beneath. Being brought in a state of fine division into direct contact with the air, it loses its heat very rapidly, and, on reaching the tank, is already cool enough to be pumped back for use in condensing the steam from the cylinders. Of course, the jets of hot-water give off clouds of vapor, so that about ten per cent. of water is lost in this way, but the economy and effectiveness of the apparatus more than make good the loss.

SPARKS.

Electric light plants are being installed in the Gerrard Mica Mines, near Ottawa.

The Annapolis Electric Light Company, Annapolis, N. S., are adding to their station plant a new dynamo.

The Toronto courts have decided against the old street railway company, as their claim to the possession of a perpetual franchise. The company have decided to carry the case to the highest court of appeal.

Authority is being sought for by the Toronto Street Railway Co. to enable them to extend their lines outside the city limits, to manufacture electricity anywhere in the County of York, and to manufacture for sale all kinds of electrical apparatus.

Several officers of the Toronto Street Railway Company recently made an inspection of the Ottawa Street Railway Company's lines and station. The Ottawa road is justly regarded as being perhaps nearer perfect than any other in Canada.

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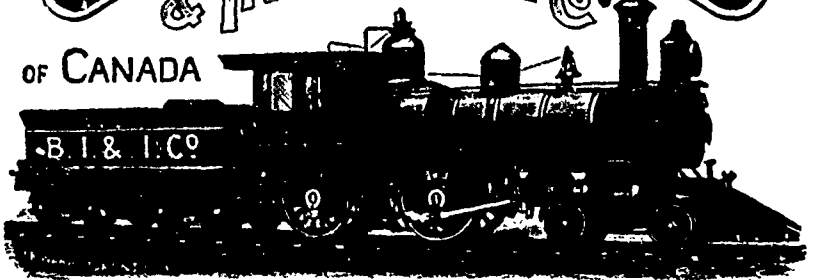
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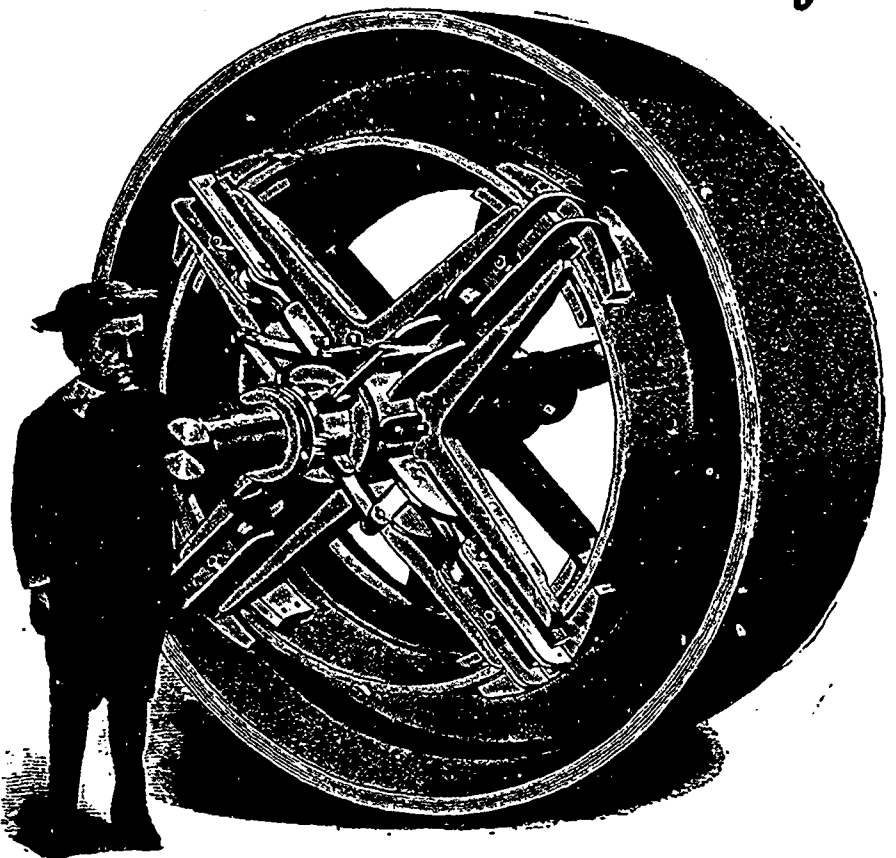
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