

Canadian cities as a manufacturing centre. The Cataract Power Company is in the field to supply cheap power, and although the enterprise is exceedingly young yet, there are four manufactories running by the company's electrical power—the Gurney-Tilden stove foundry, Lake & Bailey's flour mill, the Eagle Knitting Company's factory and the Greening Wire Company's works. Other manufacturers are arranging to utilize the power from the DeCow Falls as soon as the motors can be put in. Already the incandescent lighting of the city is being done by power supplied by the Cataract Power Company, and in a short time the arc lighting of the city will be done by the same company. The gentlemen who form the company are residents of Hamilton. The officers and directors are as follows:—Hon. J. M. Gibson, president; Mr. James Dixon, vice-president; Mr. John Moodie, treasurer; Mr. John Patterson, secretary; Mr. H. R. Leyden, general manager; Messrs. John Dickenson, M.P.P., J. W. Sutherland, John Knox, J. J. Wright, of Toronto, and J. A. Kammerer, of Toronto.

Few companies have spent so much money in this city as the Cataract Power Company has. More than \$500,000 has already been expended on the enterprise, and as the business has begun to grow right from the start, more capital will have to be put into it to provide for the anticipated expansion. The company's capital is \$250,000, the excess in expenditure having been supplied by the Bank of Hamilton in advance of a bond issue to be floated shortly. Although DeCow Falls, the source of the power, is thirty-four miles from the city, the loss in transmission is only eight per cent. The company expects to be able in the near future not only

to operate all the electric lights and electric railways in the city and vicinity, but also to supply power at rates so much below those allowable by the use of steam that all the manufacturers will discard their steam plants and use electrical power instead. The new enterprise is calculated to bring manufactories to this city, as well as make power cheaper for those already established here, and even thus early in the Cataract Power Company's career numerous requests have been received by it from outside manufacturers for figures as to the probable cost of power for their concerns in case they should decide to remove to Hamilton.

BEHAVIOR WITH ELECTRIC MACHINERY.

The following advice regarding one's behavior in the presence of electric machinery or conductors, will be useful in many respects to amateurs as well as to electricians. It is from *The Engineer and Iron Trades Advertiser*, Glasgow, Scotland: "Never touch an electric wire that has fallen down across your path while standing on the ground, as your body will become a conductor for the electric fluid to the earth unless you have rubber boots on. Linemen are sometimes seen pulling live wires about, but they have insulating boots on their feet or rubber gloves on their hands. Some people, supposing these coverings to be only used for the protection against wet weather, have foolishly grasped wires and received severe shocks in consequence. Electric wires should be handled one at a time. If it is necessary to take hold of two wires at the same time do not do it. In

handling or drawing any wire lying over any of the ordinary street wires, especially such as convey currents for electric lighting, use a dry hand-line for the purpose or grasp the wire with insulated pincers. An ordinary wire clothes line may become the conductor of a deadly current. In a dynamo room touch not, taste not, handle not. The most inoffensive looking dishpan may strike you like a mailed hand. Nothing is safe to you here unless you know everything. Let working-men remember that when a company has strung wires on the crossbars of poles so closely together that a man can not move easily between them, it is better for him to come down and resign. What profiteth a man if he has a situation if his wife be a widow? Never close a circuit without giving notice to all concerned. A telegraph notice received in the back of the neck generally arrives too late to do any good. On no condition let two wires touch your body at the same time. Don't think that any wire is not dangerous. There is a difference between a gun with a cap on it and one without that can be detected with the naked eye, but a loaded wire—who knoweth it? Trimmers employed to attend to lights in public crowded thoroughfares should be sure that the current is turned off before they touch the lamp, as the stoopladders are often very high and the public object to being hit on the head by a gyrating galvanized lamp-trimmer."

Messrs. Calvin & Co., marine architects, shipbuilders, engine builders, etc., Kingston, Ont., completed and launched a few days ago, the passenger steamer *India*. This steamer is 212 feet long, thirty-seven feet beam, and fifteen feet depth of hold.

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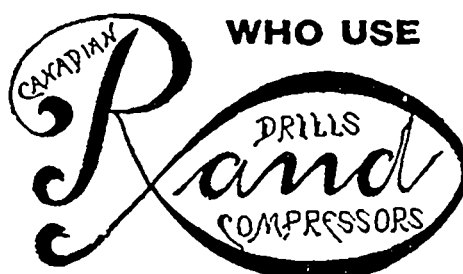
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