

A professor at Kieff, Russia, has invented a garment of metallic gauze for electricians, which is adequate protection against electrical currents.

Brantford city council has granted the Imperial Gas Co., of Attercliffe, the right to sell natural gas in the city for 20 years at a rate not to exceed 50 cents per 1,000 feet for power, and 90 cents for heating and lighting. The gas is to be piped 40 miles.

A charter has been secured for the Sault St. Louis Light & Power Co. to develop power from the Lachine Rapids, and at Ile Heron, Ile au Diable, and adjacent islands in the St. Lawrence, to connect Ile Heron by bridge with the north and south shores and Ile au Diable with the south shore, to manufacture calcium carbide and to operate vessels. The capital is one million dollars and the headquarters in Montreal.

Industrial Notes.

Tin plate works are projected at Berlin, Ont., to employ 50 hands, if a loan of \$15,000 for fifteen years is given.

The Page-Hersey Co. has spent \$100,000 so far on the erection of their pipe mill at Guelph, and now claims the first instalment of the bonus. They employ over 100 men.

The Lunkenheimer Company, Cincinnati, Ohio, report that on account of the unprecedented demand for their brass and iron steam specialties, they have been compelled to increase their foundry output 50 per cent. Machine tools of the most improved type are being installed in various departments as fast as they can be obtained.

The Snowball Wagon Works, of St. George, have been purchased by the Hamburg-American Wagon Company, of New Hamburg, Ont., and a new factory has been erected, three stories high and 200 feet long. The New Hamburg Brass Works has also erected a three-story brick building, and gives employment to 60 hands.

The J. Stevens Arms & Tool Co., of Chicopee Falls, Mass., have added a new line of double barrel guns having a twist barrel, and being listed at \$27.50; also a new gun with Damascus barrel, listed at \$30. Both these guns will be ready next month. This company's single barrel guns are also being made with twist barrels.

A heating and ventilating outfit, recently furnished by the E. F. Sturtevant Co., consists of a steel-plate exhaustor, direct-connected to a horizontal, side-crank engine. The exhaustor draws air from out-of-doors through a large steam heater built up in sections of 1-in. pipe, one of the sections receiving the exhaust from the fan engine.

The Toronto officers and repair shops of the Canadian Otis Elevator Co. have been removed to 74 York street. Owing to the rapid growth of this department, it has become necessary for the company to enlarge its facilities, and it has equipped this repair shop with the latest tools for handling all classes of repair work quickly and at reasonable prices. The company has also added an electrical department, under the charge of a capable superintendent, and can now take contracts for rewinding armatures, etc., and repairing any class of electrical machinery.

The Canada Paint Company, of Montreal, and Toronto, is the only company in Canada which takes the graphite and oxides from their own Canadian mines for bridge and structural work. They are prepared to supply all large corporations, direct from their works in Montreal and Toronto, with high-class painting materials, suitable for girders and all exposed structures. The Canada Paint Company export their graphite and oxides largely to the United States and to the Old Country, and assert with confidence that their paints are much superior in texture, analysis and spreading power to any yet discovered. Booklets showing the colors will be mailed upon request made to the Canada Paint Company, Limited, Montreal, mentioning the Canadian Engineer.

A by-law has been carried at Elmira, Ont., to bonus a furniture factory.

The name of the Canada Metal Milling Co. has been changed to Canada Brass Rolling Mills.

More than thirty great manufacturing companies of the United States are establishing factories in Canada.

The New Brunswick Wire Fence Co. has been granted leave to increase its capital from \$9,900 to \$40,000.

The Kingston Locomotive Works recently turned out three locomotives complete, for the I.C.R., inside of a week.

Thornbury, Ont., has carried the by-law to establish a gasoline engine and foundry works, only two votes being recorded against it.

McGregor, Banwell & Co. have put up a factory at Walkerton, for manufacturing wire fence. It will be operated by steam.

Building operations in Toronto have been almost at a standstill for some time, in consequence of strikes among almost all branches of the building trades.

The Canadian Skewer Co. recently shipped a car-load skewers from their factory at Hespeler, to England. It contained 200 barrels, or about 10,000,000 skewers.

The Ottawa City Council will insist on lumber piles being removed outside the city, and J. R. Booth announces that in that event he will remove his extensive sawmills.

Arrangements have been concluded between the Dominion Iron & Steel Company and the Government of Nova Scotia, the city of Sydney, and the Dominion Government, whereby the steel company will receive from the first two named the bonuses offered for the establishment of a shipbuilding plant, \$250,000 and \$100,000, and from the latter, the bonus, \$100,000, for the erection of a dry dock. The work will not be proceeded with just at present.

The Walsh Improved Double Acting Water Wheel Governor is much used where an inexpensive, but accurate regulator is needed for ordinary requirements. This regulator, is made by J. C. Wilson & Co., Glenora, Ont. Among their recent customers are Geo. Pattinson & Co., woolen manufacturers, Preston, Ont., and W. J. Sutton, Victoria, B.C.

J. C. Wilson & Co., Glenora, Ont., manufacturers of the "Little Giant" turbine and other specialties, report continued activity in all lines. The domestic trade is good, and the foreign demand shows a large increase. For the four months ending April 30th, their English representatives have sold twenty-one "Little Giants," nineteen of which were of the vertical, and two of the horizontal type of wheel.

The following new works are projected, or under way: Car works, by Portland Rolling Mills Co., N.B.—Automatic scale works, at Amherst, N.S., O. A. Nickerson.—Trunk factory and another rubber factory at Berlin, Ont.—Aluminum works at St. John and Grand Lake, N.B., Jas. Robinson and others.—Sash and door factory at Fernie, B.C., Fernie Mfg. Co.—Two new brick plants at Winnipeg, Kelly Bros. & Co., and Winnipeg Brick Co.—Shingle mill on the Capilano, near Vancouver, J. W. Doherty and Walker, of Moodyville.—Extension of Wilson Carbide works at Merritton, Ont.—Additions to the Sherwin-Williams paint works, Montreal.—Enlargements of Emerson & Fisher's and Chas. Fawcett's foundries, at Sackville, N.B.—Manufacture of stoves, by the St. John, N.B., Foundry Co.—Enlargement of the Gould Mfg. Co.'s foundry at Smith's Falls.—Rolling mill at Guelph, by the Page-Hersey Co., the only one of its kind in Canada, with puddling furnaces, etc.—Extension of the Silicate Brick works at North Sydney, C.B., for which David Rudderham, president of the company, has gone to Sweden and Germany to select additional machinery of the latest and most approved design.—Large brick-yard at Hamilton, by the Barton Building Co.—Brick and pottery works at Estevan, Assa., by an United States Co.—Steam brick making plant at Lethbridge, N.W.T.