

SPARKS.

During 1895 electric lines in Europe increased in number from 70 to 111, with a total length of 560 miles.

The shareholders of the Hamilton, Grimsby and Beamsville Railway have decided to extend the line to Grimsby, to be completed by 1st November of this year.

The Lake Superior Power Company, of Sault Ste. Marie, Ont., will go extensively into the production of calcium carbide, the substance from which the new acetylene gas is manufactured.

Mr. B. B. Osler, Q.C., president of the Hamilton & Dundas Railway Company, has under consideration the question of changing the road to an electric line. It is said to be the intention of the company to commence operations as soon as Mr. Mackenzie returns from England. The estimated cost of changing the system is placed at \$50,000.

Mr. Hugh Neilson, chief electrician of the Bell Telephone Company, was in Quebec recently to report on the construction of a telephone line from Quebec to the Island of Orleans. In company with Mr. Dauphin, local manager at Quebec, he examined the site for the cable, from L'Auge Gardien to St. Pierre, and will, it is said, report favorably to the company.

A dispatch from New York dated June 30th says: The contract for the entire development of 20,000 horse power on the Richelieu river, the outlet of Lake Champlain, has been let to the Stilwell-Bierce & Smith-Vaile Company, of Dayton, Ohio, for \$550,000, the electric machinery not being included. This power is to be carried to Montreal by wire and electrically distributed, the distance being about twelve miles. This is the second electric water power development in Montreal, the first being for 12,000 horse-power at the Lachine rapids, five miles above the city, in the St. Lawrence river, for which the Dayton company also have the contract. The investment in both powers will be about \$3,500,000, all subscribed for by Montreal capitalists.

The Cornwall Electric Street Railway Company formally opened their line on June 30th. The main line down Pitt street, the belt line to the East Ward, via Second, Marlboro' and Water streets, and the line down the front road to the St. Lawrence Park on Gillespie's Point, have been completed, making in all about five miles of track. The line to the Toronto Paper Company's mills in the western suburbs, Smithville, and the branches to the textile mills, remain yet to complete. The plant is up-to-date in every respect. The cars, which are of the latest models, were built in Deseronto, and the machinery was put in by the Canadian General Electric Company. The Street Railway Company have purchased Gillespie's Point, a short distance below the town, and have fitted it up in an elaborate style as a pleasure resort, to be known as St. Lawrence Park.

POSITION WANTED

A young man with six years experience with T. H. An and Incandescent machines and lamps, will be open for engagement in July. Best references. Address, "ARC."

Care of CANADIAN ELECTRICAL NEWS, Toronto.

MOTOR FOR SALE

New 2 1/2 H. P., 20-Volts, perfect condition. As we have installed new alternating current machine, we cannot use motor.

ALLISTON MILLING CO.
Alliston, Ont.

CEDAR POLES

Telegraph, Telephone and Electric Light Poles. Large stock to select from all lengths.

G. F. ROY MARTIN,
Fenelon Falls, Ont.

PACKARD Incandescent Lamps PACKARD TRANSFORMERS

Scheeffer Recording Watt Meters

o o o o o HOMER COMMUTATORS o o o o o

Packard Hospital for all kinds of Electrical Repair Work.
Expert Information given free.

PACKARD ELECTRIC COMPANY
(LIMITED)

ST. CATHARINES, ONTARIO

ENGINEERS

ARE BLIND TO THEIR OWN INTERESTS if they have uncovered Boilers or Steam Pipes, as by having them covered with our Sectional Covering it is not only a great saving to your employers as regards cost but it gives you much less firing to do and enables you to get up steam in one-half the time on the coldest days.

EUREKA MINERAL WOOL & ASBESTOS CO.

Dealers in Pipe and Boiler Coverings,
Asbestos Goods, Engine Packings, etc.

124 BAY ST., TORONTO

Above all Competitors

COAL is money, why not save it by using the . . .

T. J. C. INJECTOR

the most economical boiler feeder in the world.

20 per cent.

saved in coal over any other make. Absolutely automatic. Easily attached. Applicable to all kinds of boilers.

NOT EXPENSIVE

Will outwear any other make and is simple in construction. It is easy to operate, and is the most powerful feeder in the world.

The T. J. C. Injector

is the best because you cannot possibly go wrong with it. With high or low steam the result is equally satisfactory. It combines the utmost simplicity with perfect efficiency, and any boy can operate it.

PRICE LIST

No.	PRICE.	HORSE POWER.
7	\$ 7 00	4 to 8
10	7 00	8 to 16
15	10 50	16 to 40
20	15 00	40 to 72
25	22 50	72 to 120
35	30 00	120 to 220
45	38 00	220 to 300

Hamilton Brass Mfg. Co.

(LIMITED)

HAMILTON, ONT.