

SPARKS.

Mr. C. E. Nailor, of Essex, Ont., intends putting in a new incandescent electric light plant in his flour mill.

Mr. W. T. Douglas has resigned his position as manager for the Bell Telephone Company at Stratford, Ont.

The business men of Baldur, Man., are considering the advisability of constructing a telephone system for the town.

At Prescott, Ont., the by-law to raise \$15,000 for a municipal electric light plant was carried by a majority of 37 votes.

The village of Forest, Ont., defeated two by-laws, at the municipal election, providing for the establishment of a municipal electric light plant.

The citizens of Ottawa, Ont., have declared in favor of a Sunday street car service. The result of the vote was 4,628 for and 1,664 against.

It is announced that the Richelieu & Ontario Navigation Co. purpose placing an electric light plant and boiler in the steamer "Saguenay" this winter.

The ratepayers of St. Thomas, Ont., have voted down the by-law to provide funds for the installation of an electric light plant, to be operated under civic control.

It is said that representatives of the Toronto Railway Co. were recently in Whitby in connection with a proposal to extend the system to that town and Oshawa.

A by-law to authorize the city council of Winnipeg, Man., to install a municipal electric light plant, at a cost of \$50,000, was voted down by the ratepayers last month.

The efforts of certain citizens of Nelson, B. C., to have the electric light by-law declared invalid have been defeated. The Electric Light Co. will, therefore, get \$35,000 for their plant.

Mr. Thomas A. Low has secured an option on the water power of the late M. L. Russell, at Renfrew, Ont. It is said that the town may purchase the power and establish an electric light plant.

Municipal control does not seem to have been a success in the town of Richmond, Que., as we observe that the corporation is offering for sale their dam, water-wheels, dynamos, machinery, etc.

The John R. Scott Co., of Napanee, Ont., are increasing their plant by putting in another "New American" water wheel, which will give them 500 horse power. The company intend to extend their line to Arthur and Colebrook next spring.

Messrs. Daly & Hamilton, of Rossland, B.C., are asking for the incorporation of the British Columbia Electrical Supply Co., Limited, to supply electric light, heat and power, and construct railways, telegraph and telephone systems, and other works.

The W. A. Johnson Electric Company are installing an alternating plant for the corporation of Acton, Ont., including 55 street lamps and all wiring for the town. The generator will be one of their inductor type alternators, which are meeting with much success.

At the next session of the Ontario legislature a company will seek incorporation as the Haliburton, Whitney and Mattawa Railway Company, with power to build a steam or electric railway from a point on the G. T. R. at Haliburton to Whitney and Mattawa.

Letters patent of incorporation have been granted to the Metropolitan Electric Co. of Ottawa, with a capital of \$500,000. This company, as mentioned previously, are developing a water-power at Britannia, and purpose supplying light and power throughout the city of Ottawa.

The Grand River Electrical Power Co. has been organized by Messrs C. H. Carroll, J. F. Boltbee and A. N. Parney, of Paris, and W. J. Clark and Thomas McLaughlin, of Toronto. The capital is \$90,000, and the company have power to supply electric light, steam, heat, and natural gas.

The directors of the Hamilton, Chedoke & Ancaster Railway will apply to parliament for an amended charter, giving them power to build a line to Brantford, to change the name to the Hamilton, Ancaster & Brantford Electric Railway Co., and to increase the capital stock from \$100,000 to \$200,000.

A son of Mr. William Williams, manager of the Gas & Electric Light Co., Sarnia, Ont., had a narrow escape from suffocation by gas recently. He had descended into a trench to examine a break in the main when he was overcome by the fumes of the gas. Fortunately, his condition was observed by his fellow workmen.

Mr. R. Weddell, who owns a controlling interest in the Trenton waterworks, is at present negotiating for an amalgamation of the

electric light and waterworks companies there, with a view to increasing the power plant so as to operate both and supply power to manufacturers. It is also proposed to light the city of Belleville, 12 miles distant.

The electric light plant at Granby, Que., is now partly in operation, and will soon be entirely completed. A pair of 30 inch Crocker wheels are being utilized at present, plenty of water being available, while the 250 h.p. Corliss engine is being set up. The whole plant is modern, and the arrangements reflect credit on the Jenckes Machine Company, contractors for the plant equipment.

The Alliston Electric Light Company, of Alliston, Ont., are making changes in their lighting station, and have decided to increase their incandescent lighting capacity. For this purpose they have placed their order with the Royal Electric Company for one of their 60 k.w. "S.K.C." two phase machines, from which they will serve both arc and incandescent lights as well as power, which has heretofore been served by both machines.

A syndicate, at the head of which is Mr. George Skead, the original discoverer of Lake Girard mica mine, is engaged in opening up a new mining district on the Big Blanche river, near Thurso, Que. The syndicate have secured several thousand acres of mining land in that vicinity, and are now taking out about five tons of culled mica per week. Associated with Mr. Skead are Messrs E. A. Blakeney and H. K. Lee, of Ottawa.

Mr. Alex. Pushle, an engineer of the Dominion Coal Co., of Cape Breton, has gone to South Africa, where he will superintend the experiment of using the patent fuel manufactured in Cape Breton on locomotives and for general steam purposes. About two months ago 250 tons of this coal were shipped to South Africa by the Dominion Coal Co. If found satisfactory, an extensive field will be opened up for the waste product of the coal mines of Cape Breton.

The Jenison by-law was carried by the ratepayers of Port Arthur, Ont., on the 2nd inst. By this the town agrees to pay Mr. E. S. Jenison the sum of \$10,000 per annum for 40 years for 750 electric horse power and 250,000,000 gallons of water per year. The scheme, already familiar to our readers, involves the construction of a canal from Kakabeka Falls to Port Arthur. This canal, it is said, will develop 20,000 horse power, and have a head of water at Port Arthur of 300 feet.

The Canadian, British Columbia & Dawson City Telegraph Company, Limited, has been formed, with a capital of \$1,500,000, to construct a telephone system to the mining districts of the Yukon river. The directors of the company are: Sir James Grant, K.C.M.G., Ottawa; Sir Adolphe Caron, K.C.M.G., M.P., Ottawa; J. H. Turner, M.L.A., ex-premier British Columbia; Ald. John Hyde, of Banbury; W. H. J. Fawcus, director Edison & Swan United Electric Light Co., Limited, Dartmouth House. W. Young, 64 Victoria street, London, is the secretary.

According to the London Electrical Review, one of the most novel systems of electric canal towage that has yet been tried is meeting with such great success that the line is to be extended some fifty miles. Small track tricycles, equipped with six horse power motors, run along a French tow-path, taking their current from an overhead wire. These are sufficiently powerful to draw a 300 ton boat at a speed of 1.5 miles an hour. While the system is not cheaper than animal haulage, yet the speed is greater and the service very regular. There are two generating plants, each of 200 horse-power, one at each end of the line.

Tenders for the proposed electrical power transmission plant at Orillia, Ont., were opened by the council a fortnight ago. For the electrical machinery three tenders were submitted, from the Canadian General Electric Company, Toronto, Royal Electric Company, Montreal, and Westinghouse Electric & Manufacturing Company of Pittsburg, Pa., through the Central Construction Company of Buffalo, N. Y. For the transmission line supply and construction, tenders were submitted by the Canadian General Electric Company, Central Construction Company, and C. H. Patriarche, contracting electrical engineer, Toronto. Three tenders were also submitted for the hydraulic machinery and construction, from William Kennedy & Sons, of Owen Sound, Ont., Central Construction Company, and P. H. Patriarche. No decision has been reached as yet, but it is believed that the council favor the tenders of P. H. Patriarche, for the whole equipment, including electrical apparatus of the Royal Electric Company's manufacture, at \$66,680, and the Central Construction Company, of Buffalo, including Westinghouse electrical apparatus, at \$67,200.