

until the mines have attained a producing capacity of \$5,000 or \$6,000 per day. The underground work done on the property at present consists of two shafts, located a mile or so east of the reduction plant at Marmora Station, on the Central Ontario Railway, but four additional shafts are forthwith to be sunk—two near the old shafts, and the other two a mile to the north and a mile to the south thereof respectively. In order to carry on this work expeditiously, Mr. Swinney has arranged for the immediate installation of a twenty-drill air compressor. And when, with this extensive mining plant, a big ore reserve has been obtained, the capacity of the bromo-cyanogen mill will be increased, so that it will treat 400 tons per diem. Mr. Swinney says that the mispickel averages \$15 per ton in gold, and that the new process saves 85 per cent., or over \$12 of this. This means, as stated above, that the enlarged mill should turn out between \$5,000 and \$6,000 in bullion each day. It is also learned that the same money that is invested at Deloro is behind the re-opening of the Belmont gold mines, located nine miles to the northwest of Marmora Village, and formerly owned by A. W. Carscadden, M.P. The Belmont ore is concentrating, and a stamp mill is being erected upon the property.

Electric Flashes.

WALTER McFARLANE is putting the electric light into his factory at St. Mary's, Ont.

THE Carleton Place council threw out the by-law to grant a bonus to the Lanark County Electric Railway Co.

THE Canadian General Electric Company has installed an isolated plant for A. & J. Clarke, Bullocks Corners, Ont.

THE Cardinal, Ont., starch works is putting in an electric light plant of sufficient power to furnish the works and the town with light.

ENGINEER CHURCHILL, of the S.S. "Iceland," is now in charge of the electric light station, St. John's, Nfld., in place of J. Hepson, resigned.

THE Pontiac Telephone Co. is putting telephones in each of the stations along the line of the P.P.J. Railway from Quyon, Que., westwards.

THE town council of Parrsboro, N.S., has been authorized to spend \$8,000 in equipping an electric light plant, to be the property of the municipality.

ST. THOMAS, ONT., has voted to guarantee \$50,000 of the bonds of the new electric street railway company, and to pay the first year's interest on them.

THE Windsor Plaster Co., Windsor, N.S., is lighting its works by electricity, and has given the order for the electrical equipment to the Royal Electric Co.

THE Toronto Electric Motor Co. is now running night and day, and notwithstanding recent enlargement of the works is scarcely able to keep up with orders.

THE Dominion Paper Mills, Kingsey Falls, Que., are installing an electric lighting plant in their new mills, and have placed the contract with the Royal Electric Co.

It is proposed to extend the Belleville, Ont., Street Railway to Trenton and Tweed, using rails sufficiently heavy to allow of the C.P.R.'s hauling freight over the line.

THE Bell Telephone Co. will shortly put up for its Quebec headquarters a new office building, on the corner of St. John and St. Angele streets, Quebec, at a cost of \$15,000.

THE St. Jerome Power and Electric Light Co. has had such success in canvassing for lights that it has changed its order from 1,000 light "S.K.C." machine to one of 1,500 lights capacity.

THE St. Lawrence Power Company is applying to the Quebec Legislature for incorporation, for dealing in water, electric, steam and any other power for lighting, heating and manufacturing.

C. E. SHEDRICK, who has assumed control of the Whitney Electrical Instrument Co., Sherbrooke, Que., has on hand a stock of measuring instruments, laboratory apparatus, X-ray apparatus, etc.

THE British Columbia Iron Works Company, Vancouver, B.C., have placed an order for a 10-kilowatt, direct connected, steel frame, incandescent lighting generator with the Canadian General Electric Company.

THE expenses of the municipal electric light plant of Lachine, Que., in 1897 amounted to \$3,252, the lighting being 550 electric lights and 43 arc lamps for the entire town. The receipts for the same year amounted to \$3,066.

THE Canadian General Electrical Co. has recently installed a 250-light plant in the premises of the Northey Manufacturing Co., Toronto.

THE Seine River, Foley and Fort Frances Railway Company, is applying for an Ontario charter to build a line from Bonheur on the C.P.R., to Sawbill Lake, Fort Frances, etc., and to dispose of surplus electricity for power and other purposes.

THE Shipton Electric Co., Danville, Que., has decided to proceed with the extension of the power plant this winter, and has made a contract with the Jenckes Machine Co., Sherbrooke, for a Crocker turbine, horizontally set, with penstock and draft tube complete.

THE officers of the Sherbrooke, Que., Street Railway Co. are: President and chief engineer, John W. Burke; directors, Percival W. Clements, Rutland, Vt., Edgar Harding, Boston; Walter Blue, Wm. Morris, Sherbrooke, superintendent L. E. Whitehead, secretary, F. J. Griffith.

BOUCAYGEON, ONT., has a scheme to secure electric railway communication with Peterboro. The proposal is to build a line to Scott's mills, some twelve miles east, then south to Buckhorn, and on to Peterboro. It has been estimated that the line can be built for less than \$200,000.

THE Edmonton Electric Light Co., of Edmonton, N.W.T., is improving and extending the plant. The new electrical equipment bought by them from the Royal Electric Co., consists of one 75 K.W. "S.K.C." two-phase generator, complete, with exciter and switchboard, as well as the necessary material for the other changes.

THE Canadian General Electric Company has recently closed a contract with the Bushnell Oil Company, Sarnia, for a 25-kilowatt direct connected, steel frame, incandescent lighting generator, coupled to an "Ideal" engine. This installation will embody all the latest improvements in direct connected practice, which the Bushnell Company, from its connection with the Standard Oil Company of the United States, has learned to value through their experience there.

THE turning on the power and light in connection with the new municipal electrical lighting plant, at Magog, Que., was made the occasion of a reception given by the Mayor and Councilors in the Opera House. The hall was brilliantly lighted by incandescent lamps, and the whole town turned out. Speeches were made by Mayor Bessette and other councilors and a very pleasant evening was spent. Magog is one of the first towns in the Eastern Townships to own and operate its own lighting plant. The power is obtained from the Magog River, a little below the cotton mills. The water wheel plant of the Crocker special type was furnished by the Jenckes Machine Co., Sherbrooke, Que.

THE Canadian General Electric Company is supplying a 1,000 light direct connected, incandescent lighting plant for the Gutta Percha and Rubber Manufacturing Co. This installation will be, when finished, one of the most complete in the country. The machine is of the steel frame, ventilated, armature type, direct connected to an "Ideal" engine, running at the slow speed of 280 revolutions per minute. The great saving in space, durability and high efficiency obtained by the use of these direct connected units has led to their adoption as the standard machine where it is desired to obtain the best and most economical conditions in operating an isolated incandescent lighting plant.

THE Packard Electric Company, Limited, St. Catharines, Ont., announces that it has recently imported from England a sand blast frosting machine, which it is claimed produces frosted lamps far superior to those which have been previously placed upon the market. The effect produced by frosted lamps is appreciated by everyone, but their use in the past has been exceedingly limited, both on account of the inferior class of work in this line, as well as the price charged. The company is also in a position to do any style of fancy frosting, bringing out letters, monograms and any desired design, upon lamps to be used for decorative work. The fine frosting, which this up-to-date machine produces absorbs much less of the light than any ordinary frosted lamp.

THE plant and franchise of the Temple Electric Co., Montreal, have been acquired by the Standard Light and Power Co. The Lachine Rapids Hydraulic and Land Co. have made a contract with this company to supply it with current from the Lachine Rapids and the steam plant will be sold. The Lachine Co. has also closed a contract with the Imperial Electric Co., formerly the St. Jean Baptist Electric Co., to supply it with current, replacing the present steam plant. Although the thermometer has been down below zero this winter, no difficulty has been encountered with frazil ice.