

cheaply than in any other mine that I know of, said Mr. Rogers. It is in the form of segregated cubes, which can be detached by the use of a crowbar, one man being able to pry off tons at a time. The only preparatory work necessary is to strip off from six inches to two feet of soil on the surface and by the insertion of a crowbar in the cracks which run vertically throughout the depth of the deposit the ore is pried off and falls into small cubes exactly in the condition we want it for smelting. All that remains to be done is to shovel the ore into the ore cars and ship it to the smelter. It is a high grade ore, the surface of the deposit at the workings has very much the appearance of a tiled floor. The seams are nearly horizontal, with a slight dip to the north. No. 3 seam, the seam at present being worked, is from eight to ten feet thick, and from where it outcrops to where it goes under the hill is perhaps 300 feet wide and three miles long. The ore is taken out so easily that no blasting is really necessary, although occasionally a cartridge may be put in several feet from the face of the working to loosen hundreds of tons at a time. This ore can be laid down at the smelter cheaper than is being done by any other mine in the world. The conditions for handling the ore could not be better. The natural formation of the island is perfect for the purpose of handling the ore at the least possible cost. The company from which we purchased had already constructed a first-class plant for handling the ore economically. There is a double track line running across the island and terminating at the loading pier. The cars are operated by means of an endless cable, to which they are gripped at distances of about fifty feet. The loaded cars going down grade help to operate the light cars going back to the mine by the gravity system. The cars are unloaded automatically into pockets, from which the ships are loaded. There is also a large pocket constructed in the rock, which will hold many thousand tons, from which the ore can be emptied by means of a conveyor in the bottom and running through to the pier. This will enable the company to continue mining and store the ore should there be any delay of vessels. The cost of the ore free on board vessels is about 30 cents per ton. The Dominion Iron and Steel Co. will handle 4,000 tons of this ore per day.

Electric Flashes.

C. H. Mitchell, C.E., and Guy Winn are preparing a report on a proposed power scheme at Bracebridge, Ont.

The Goderich Knitting Co., Goderich, Ont., has installed an So-light incandescent plant, supplied by the Jones & Moore Electric Co.

J. Haynes, Brigden, Ont., has placed an order with the Jones & Moore Electric Co. for an incandescent lighting plant for his mill.

Clelland Bros., Meaford, Ont., are installing an electric light plant which they have bought from the Jones & Moore Electric Co., to light up the factory.

The Niagara Falls town council is considering the proposals of the Niagara Central Railway Company for the extension of that road and its conversion into an electric line.

The Niagara Falls Park and River Railway showed their appreciation of the work of the fire brigade at the power house fire by sending a cheque for \$100 to the town council.

The Mack Machine Co., Belleville, Ont., is placing an incandescent plant in its works. The order for the dynamo was placed with the Jones & Moore Electric Co., Toronto.

There has been great delay caused in the power development works at Rugged Rapids, Ont., by the breaking away of the temporary dam. Supplies cannot be brought in till the temporary dam is in position. The contract calls for the completion of the works by December 1st.

Geo. Forbes, F. R. S., London, Eng., electrical expert; Clemens Henshell, New York, hydraulic engineer; Dr. Coleman Sellers, of Philadelphia, expert engineer and ex-president of the Niagara Falls Power Co., were recently at Niagara, in consultation with W. B. Rankine, secretary and treasurer of the Niagara Falls Power Co., regarding the development of power on the Canadian side.

The West Kootenay Light and Power Co. has ordered another 30-h.p. three-phase induction motor from the Canadian General Electric Co.

The Canadian General Electric Co. is furnishing the Montreal Street Railway Co. with 20 of its standard general electric 1,000 railway motors.

Bothwell, Ont., has made a considerable extension to the electric plant recently, the work having been carried out by the Canadian General Electric Co.

The Canadian General Electric Co. has received an order from the Summerside Electric Co., Summerside, P.E.I., for a standard 120 k.w. single-phase alternator.

E. W. Stickney, Esq., Newburgh, Ont., has decided to place an incandescent dynamo in his factory, the order for which has been given to the Jones & Moore Electric Co.

The Standard Chemical Co., Deseronto, Ont., has recently installed an electric lighting plant in its factories. The apparatus was supplied by the Canadian General Electric Co.

The Palmerston Carriage Co., Ltd., of Palmerston, Ont., has ordered from the Royal Electric Co. a complete lighting plant, consisting of a 100 light dynamo, switchboard and wiring.

Richardson & Sons, Bedford, N.S., have bought a complete electric lighting plant from the Royal Electric Co., for their factory. The Maritime Electric Co., of Halifax is installing it.

The corporation of Neepawa, Manitoba, has contracted with the Canadian General Electric Co. for a standard 75-k.w. mono-cycle alternator with switchboards, transformers and wiring supplies.

The Canadian General Electric Co. is installing two standard 45-k.w. multipolar generators for Tooke Bros., Montreal, together with switchboards, and three 15-h.p. direct current motors, and three 8 h.p. motors.

The Montreal Cotton Co., Valleyfield, Que., is continually increasing its power plant, and has just placed another order with the Canadian General Electric Co. for six 50-h.p. and one 100-h.p. induction motors.

Donnelly & Drum, Ottawa, Ont., have recently ordered from the Jones & Moore Electric Co., an incandescent dynamo. This firm have also received orders from three Quebec firms for incandescent dynamos during the past month.

A new electric company has been formed in Dutton, Ont., for the purpose of supplying light, heat and power to the corporation, merchants and residents of the town. The Canadian General Electric Co. is supplying all the electrical apparatus, transformers and wiring. The initial order is for a 30 k.w. single-phase alternator.

The town of Paris, Ont., is to have a second electric light company, W. H. Meldrum, with a number of local people, having formed a new company, and have purchased a complete outfit consisting of a Leonard-Ball engine and boilers, and from the Royal Electric Co., a complete "S.K.C." two-phase system, the dynamo having a capacity of 50 k.w.

The Trent River Paper Company, Frankfort, Ont., has placed an order with the Royal Electric Co. for a 40-k.w., S.K.C. two-phase generator with transformers and supplies. It is the intention of the paper company to not only light its own large premises, but also Frankford (one mile distant), Stirling (nine miles distant), and possibly Foxboro and Wooler (six miles distant). Work of excavation was commenced on the 27th of May last, and the fact that this month this company will be making paper is an evidence of the capability of the manager, Walter S. Miller.

Another large manufacturing business is being established at Sault Ste. Marie, Ont., which promises to reach vast proportions in the very near future. F. H. Clergue, president of the Lake Superior Power Co., has been instrumental in interesting American capital in the formation of the American Alkali Co., of which he is the vice-president. They purpose manufacturing caustic soda and other similar products under electrolytic processes, and the initial plant will require 1,000 h.p. for its operation. There has been placed an order with the Canadian General Electric Co. for three 300-h.p. specially designed generators to be direct connected to water wheels. The plant is expected to be in operation shortly.