

generated at the St. Francis Hydraulic Power Co.'s plant. It was equipped by Edward Slade, and is the first application in the world of electricity to the mining of asbestos. A duplicate steam plant is provided in case of breakdown. It is expected that other asbestos mines will follow the example of the American Co. The output of the asbestos mines will be 15 per cent. over that of last year.

In the Ontario Legislature the other day Mr. McGarry, one of the new members arraigned the late Government's management of the Temiskaming Railway, and also attacked the policy of the Canadian Copper Company, which represents the nickel trust in the town of Copper Cliff. "The Company," he said, "owned every inch of the ground on which the town was built, and induced people to erect houses and stores there, but refused to give a title when asked. If men did not vote as the company required they were promptly dismissed. The company controlled the business of the town, and the speaker had affidavits from merchants and workmen concerning these proceedings. No municipal buildings could be erected, as the company refused to sell land for the purpose. They had, without any magisterial authority, fined a woman \$5 because her cow grazed on their land. There was no resort to the courts, as the company was too powerful, and with the numbered ballot they forced all their employees to vote as they dictated."

LIGHT, HEAT, POWER, ETC.

The Robb Engineering Company is building two 125-h.p. boilers for the Lethbridge Electric Company, of Lethbridge, Alberta.

It is stated that the Toronto and Niagara Power Co. has purchased all the electric power and light plants between Niagara Falls and Rochester, N.Y.

A staff of engineers are working on the Niagara-Welland electric project, with instructions to rush the work on the transmission lines.

Cecil B. Smith, Consulting Engineer, Toronto, is reporting on water powers on the Blanche River in Nipissing district, and on a water power on the Ottawa River, at the foot of Lake Temiskaming.

The International Railway Company, Niagara Falls, Ontario, have just completed the installation of a 2,000-h.p. vertical, direct-connected turbine and generator in their hydraulic power-house. C. B. Smith, Consulting Engineer, W. B. Chace, Resident Engineer.

The Lake of the Woods Milling Company has purchased two 400-K.W. direct-connected, 60 cycle, 600 volt, three-phase generators, switchboard, and nine three-phase, 550 volt induction motors, ranging from 25-h.p. to 75-h.p., for the plant at Keewatin, Ont. This apparatus will furnish power for the grain elevators, stave factory, cooper shop, etc.

The Ingersoll Waterworks Company have made arrangements to substitute electric power for steam power at their pumping house. The power will be furnished by the Ingersoll Electric Light and Power Co., and it is expected that the work will be completed by the first of May.

Legislation is being sought in the Ontario Legislature to confirm an order-in-council passed by the Ross Government permitting the Electrical Development Co., of Ontario, to develop 250,000-h.p. or 125,000-h.p. more than was called for under the present agreement. The company agrees to furnish power to municipalities in Ontario at prices to be fixed by the Lt.-Governor-in-Council.

The Canadian Westinghouse Company, Limited, held its annual meeting at Hamilton last month. The financial statement showed the affairs of the company to be in a flourishing condition, a net profit of \$160,596 being indicated, and assets of \$2,926,724. The directors' report stated that the new manufacturing plant was practically completed, and in a short time the manufacture of electrical apparatus would be commenced. Unfilled orders already on hand amounted to some \$560,000, and attention was called to the advantage of entering upon the manufacture of new apparatus only after the processes had been tested by experts of the American Westinghouse Companies.

Napanee, Ont., will build a lighting plant. R. S. Kelsch, Montreal, is the consulting engineer.

Paul Wood, Sutton, Man., who will develop a water-power for electric light and power and pulp mill, has retained the services of R. S. Kelsch, consulting engineer, Montreal.

Work has begun on the power dam at Fort Frances, Ont., and machinery is arriving daily. The cost of the dam will be over \$3,000,000, and 300 men will be employed. Penniman & McGuire, Providence, R.I., are the contractors.

The Ottawa and Hull Power and Manufacturing Co. are supplying power over the new 12,000 volt transmission line. The Cement Company will take 3,500-h.p. to operate the new cement works, which are said to be the finest on the continent.

The Sherbrooke Power, Light, and Heat Company, Sherbrooke, Que., will increase the capacity of their water-power plant. The system will be changed from 133 to 60 cycles. The plans contemplate new water wheels, 750-K.W., d.c., 60 cycle generators and direct current exciters.

The Kakabeka Power Company have completed their surveys, and plans are under way. The work on the canal will be started this month. It is intended to deliver power in Fort William and Port Arthur, May 1st, 1906. The falls are twenty-four miles from Fort William on the Kaministiquia river.

Philip Lahee, electrical contractor, who has the contract for the electrical equipment of the new C.P.R. Hotel at Winnipeg, has decided to manufacture his own switch boards and other apparatus, and is this month opening an office and shop in the Temple Building, Montreal.

L. A. Campbell, manager of the West Kootenay Power and Light Co., announces that his company had entered into contracts to supply the Granby Mining and Smelting Co. and the British Columbia Copper Co. in the Boundary with 4,500-h.p. The new installation now in process of construction at Bennington Falls will cost \$1,000,000.

Among the announcements of policy made by the new Provincial Government of Ontario, two of the most important are that there will be a reform in the timber regulations, especially those relating to pulp-wood, and that the water-powers controlled by the Crown will hereafter be disposed of by public auction to the highest bidders instead of by private treaty as before.

The Stave Lake Power Company, Vancouver, B.C., will develop their water-power on the Stave river, forty-two miles from Vancouver. The power will be transmitted for distribution in Vancouver, New Westminster, and vicinity. The immediate installation will be for 10,000-h.p. with an ultimate capacity of 35,000-h.p. R. S. Kelsch and Wm. Kennedy, Jr., of Montreal, are the engineers in charge.

The Montreal Light, Heat and Power Co. have installed in their Maisonneuve sub-station, an induction regulator believed to be the largest piece of apparatus of the kind in the world. It has a capacity of 5,000 amperes at 2,400 volts, designed to raise or lower the pressure 10 per cent. The regulator will be used in connection with the permanent plans of consolidating the Montreal Light, Heat and Power Company's two-phase, 66 cycle, with the Lachine Rapids Hydraulic and Land Company's 60 cycle, three-phase system. The work is being carried out under the supervision of R. S. Kelsch.

At the annual meeting of the Canadian General Electric Company last month, it was reported that the profits for 1904 were \$582,519, against \$512,210 for 1903. Dividends and interest on the company's floating debt to the banks aggregated \$392,763. Of the balance, \$113,612 has been written off for depreciation, \$75,000 transferred to reserve, and \$1,143 added to the credit of profit and loss account, which now stands at \$81,913. The Reserve Fund is now \$1,239,770, and the total surplus \$1,421,683. In their report the directors say: "Your directors are pleased to say that the business of the company materially increased, and we carry over to 1905 uncompleted contracts amounting to \$1,885,000 in the Electrical Department, and \$845,000 in the Foundry Department, or \$2,730,000 in all. Your directors are able to advise that the business of the first two