

THE Gardner Tool Co., of Brockville, is desirous of locating its factory at Sherbrooke, Que., and has asked the city councillors of that place for inducements to do so. The company pays about \$35,000 in wages.

THE mayor of Perth, Ont., has received a letter from the company that undertook to build a system of waterworks in that town, explaining the cause of their delay, and stating that they will soon begin work.

THAT it will create a revolution in the running gear of bicycles, is what Isaac Patton, of Smith's Falls, Ont., claims for his new bicycle. The chain gear is done away with and a peculiar wheel and pinion gear takes its place. It is said to gain four or five feet every revolution of the pedal over anything now in use.

IT is said that Messrs Radcliff and Baldwin, of New York, and Hickson, of Buffalo, after visiting Port Burwell and looking over the harbor, have instructed Mr. Hogg, chief engineer of the T. L. E. & P. R., to make a survey of its harbor, with a view to establishing a ferry route for transferring loaded coal cars from some convenient U. S. point to Port Burwell.

THE building of the great power dam at the outlet of the Lake of the Woods at Portage, Ont., across the Winnipeg River, is progressing rapidly. It is said by experts that this dam will raise the water in the lake to an additional height of four feet. The raising of the water in the Lake of the Woods will cause an overflow into what is known as Great Swamp, overflowing immense timber, hay and agricultural tracts of land in Beltrami and Rosseau counties, Minnesota. It is estimated that not less than 70,000 acres will be ruined utterly. Already many thousands of acres of valuable land have been rendered unfit for cultivation. Agents of the United States are on the way to make investigations. The dam has already cost \$300,000.

DARLING BROS., engineers and machinists, Montreal, record the following recent shipments of their special machines: Brackman & Kerr Milling Co., Victoria, B.C., one 75 h.p. Webster Heater; Laing Packing and Provision Co., Montreal, one 400 h.p. Webster Heater; British American Dyeing Co., Montreal, one 200 h.p. Webster Heater, Montreal Cold Storage and Freezing Co., Montreal, one 400 h.p. Webster Heater, Dominion Coal Co., Montreal, one 50 h.p. Webster Heater, Dominion Glass Co., Montreal, one 75 h.p. Webster Heater, H. R. Ives & Co., one 75 h.p. Webster Heater; Canadian Bridge and Iron Co., Montreal, one 50 h.p. Webster Heater, Toronto Paper Mfg. Co., Cornwall, Ont., 2 Webster Oil Extractors, Standard Life Assurance Co., Montreal, one Webster Oil Extractor. All of the above machines were furnished under guarantee that they would effect a saving in fuel of 10 per cent. over and above any coil heater in the market, and have effected the desired saving.

A PLANT is to be erected in Halifax for the purpose of furnishing gas and coke, and "for the extraction of more valuable substances." By the new process, says the report, gas will play a secondary, though important part. The other articles to be produced are to be the source of profit. Nova Scotia coal has a high percentage of sulphur, which will be extracted at a profit. Dr. Slocum, of Pittsburg, is the chemist of the new company, which has obtained incorporation with extensive powers from the Provincial Government, and which has obtained the right from the city council of Halifax to lay mains throughout the streets. Dr. Slocum is in Halifax deciding on a location. A contract has been given to a Nova Scotia iron firm for \$45,000 worth of pipe. Dr. Slocum; J. D. Weeks of the *American Manufacturer and Iron Worker*; Mr. Dunkirk of the Eureka Coal Company of Pittsburg; F. S. Pearson and Mr. Dimock of New York; H. M. Whitney of Boston; W. B. Ross of Halifax and other moneyed men, are pillars of the company. Halifax now pays \$2.50 a thousand feet for gas, less 20 per cent., if paid within a certain date, and the new company undertakes to supply it for \$1.50.

Electric Flashes.

A WINDING UP order has been issued by the Superior Court against the St. Jean Baptiste Electric Light Company of Montreal.

THE breaking of the main shaft in the Hamilton, Ont., Electric Light Works, left the city in darkness for a couple of nights recently.

EGANVILLE is soon to have the electric light. McRae & McKenzie, millers, have ordered a plant, and will operate it by water power.

IN Toronto there are 117 miles of underground electric light and telephone wires, while the total length of overhead wires is 4,288 miles.

W. Ross is again endeavoring to obtain an electric lighting franchise for Rat Portage, Ont. The council is considering the application.

THE Halifax Street Railway Co. saved \$14,000 by a timely purchase of 2,000 tons of rails. Rails are selling at an advance of \$7 per ton.

A PROJECT is on foot for the construction of an electric railway line from Pogamasing, Ont., to Biscotasing, Ont., for the convenience of choppers.

THE people of Pembroke are agitating for an electric railway to connect their town with Beachburg, Foresters' Falls, Westmeath and Eganville.

THE Electric Light Company, Niagara town, has bought land on which to build an 80 x 100 brick power house to cost \$10,000, and the machinery about \$25,000.

A. M. SCHOFIELD, engineer of the Carleton Place electric light works, has gone to Detroit to engage in electrical work. He is succeeded by John E. Bennett.

J. B. McDIARMID, manager of the electric light plant at Aylmer, Ont., was killed recently by the breaking of a 30-inch wooden pulley, which struck him on the side of the head.

THE Lunenburg, N.S., *Argus* understands that an engineer is examining the route from Port Medway, N.S., for the proposed electric line for carrying pulp to a port of shipment.

JUDGMENT has been given for the plaintiff, with costs, in the suit Brantford Electric Light Co. vs. Wood. It was an action to determine the rights of different users of a water power.

THE Underwriters' Association have been pressing the Government to extend the cable to Belle Isle, owing to the numerous wrecks that take place in the Gulf. The cost would be \$200,000.

THE Hamilton, Grimsby and Beamsville Electric Railway has just completed the first year of its history, and during the year it has carried 220,894 passengers and 15,042 tons of freight. The road is only eighteen miles long.

NEGOTIATIONS are in progress for an electric road between Renfrew, Ont., and Portage du Fort. The distance is eight miles, and water power will generate the electricity. A. C. Wright, of Renfrew, is interested in the project.

THE Barrie and Allandale Electric Street Railway Co., with a total capital of \$50,000, in \$50 shares, has been incorporated. The promoters propose to lay out a park on the shore of Kempenfeldt Bay, a mile and a half from the town, and run cars out there.

JAS. A. BAYLIS, electrician of the Bell Telephone Co., in Toronto, has been removed to Montreal, where he takes the position of chief electrician. The employees of the B. T. Co. in Toronto made a presentation to Mr. Baylis before his departure.

THE Fraserville Electric Power Company, Fraserville, Que., is applying for incorporation, with a capital stock of \$25,000, to operate telephones, and do electric lighting and supply electric motors for commercial purposes in Kamouraska and other counties in the Province of Quebec.

D. H. KEELY, superintendent of the Government telegraph service, has gone to the Maritime Provinces to superintend the repairs to the Government cables at present out of order between Meat Cove and St. Paul's Island, and between Grand Manan and New Brunswick.

A PARTY of the directors of the United Tramways Company of Dublin, Ireland, have been inspecting the principal electric street railway systems of Canada and the States, with a view to establishing an electric system in their city. The party is composed of Wm. Carte, president; Wm. Anderson, manager; Wm. M. Murphy and John R. Wigham, directors.

THE Gorge electric railway line on the American side, at Niagara, is now under construction, and life on the Canadian side has been endangered by the careless blasting. Several large rocks were blown over to the Canadian side; one weighing 30 pounds crashed through the roof of the Canadian Customs office and narrowly missed killing the officer on duty. Action has been taken against the company.

AT the next sitting of Parliament the Canadian Electric Railway and Power Company of Toronto will ask for power to build, operate and maintain an electric railway from Montreal to Windsor, running through Brockville, Kingston, Belleville, Toronto and London, with power to build branch railways within a radius of 25 miles from the main line. If the company's scheme materializes, a new invention by Nikola Tesla, by which electric power may be transmitted along a wire for 200 miles, will be used.