

across the river consists of eight spans and has a length of 1,967 feet. Two openings are bridged by the arms of the draw girder, which has a length of 362 feet. The bridge across Black Rock Harbor is 517 feet. The draw span of this bridge has an opening of 107 feet. This work is being done to meet the requirements of the increasing weight of rolling stock. The contract is let to the Detroit Bridge and Iron Works.

At the annual meeting of the C.P.R., held April 4th, a statement including the following was made: A balance sheet of the affairs of the company at December 31st, 1899, shows the gross earnings for the year were, \$29,230,038.26; the working expenses were \$16,999,872.77; and the net earnings were \$12,230,165.49. The working expenses for the year amounted to 58.16 per cent. of the gross earnings, and the net earnings to 41.84 per cent., as compared with 59.92 and 40.08 per cent. respectively in 1898. The earnings per passenger per mile were 1.79 cents, and per ton of freight per mile 0.74 cents, as against 1.52 and 0.76 cents respectively in 1898. During the year, two hundred and seventy-four miles of the main line were relaid with steel rails weighing seventy-three and eighty pounds per yard. The land sales for the past year were 416,806 acres for \$1,327,667, as against 348,608 acres, for \$1,121,774, in 1898.

Electric Flashes.

The Record Printing Co., Windsor, Ont., has bought from the Electrical Construction Co., London, Ltd., a 40-light multipolar dynamo.

J. A. Humphrey & Co., Toronto watch case manufacturers, have installed a new plating dynamo of the Jones & Moore Electric Co.'s manufacture.

The new firm of Raney Specialty Mfg. Co., Kingston, Ont., has bought from the Electrical Construction Co., London, Ltd., three motors for its new works.

The Erie Iron Works, St. Thomas, Ont., has ordered from the Electrical Construction Co., London, Ltd., a 12 h.p. motor, which has already been installed to their satisfaction.

The Electrical Construction Co., London, Ltd., has sold twenty-two of the list of eighty second-hand machines which were recently exchanged for new ones in Winnipeg.

The installation of the electric lighting plant at the dry-dock sub-station, St. John's, Nfld., is under the superintendence of W. A. Mackay. The entire plant is supplied by the Westinghouse Electric Co.

The W. J. Gage Co., Toronto, has bought two new motors from the Electrical Construction Co., London, Ltd., in addition to the two slow speed press motors which had already been bought from this company.

H. McCulloch, sr., has retired from the board of directors of the Galt, Preston & Hespeler Ry., and M. N. Todd has been elected president in his stead, and G. Forbes, of Hespeler, a director. W. H. Lutz was re-elected secretary-treasurer.

The Nova Scotia Electric Light Co. has had a second survey made of the source from which it is intended to derive the electrical power for the Annapolis Valley. The engineer's report was satisfactory, and the company is making plans to commence work at once.

The Shawenegan Carbide Company, Ltd., has been incorporated with a total capital stock of \$1,000,000, the charter members being: D. D. McTavish and T. L. Wilson, St. Catharines; A. E. Plummer, John Payne and Wm. Gilchrist, Toronto, and Clarkson Freeman, Merritton, Ont.

At the annual meeting of the Hoepfner Refining Co., Hamilton, Ont., the following officers and directors were elected: Hon. J. M. Gibson, president; J. V. Teetzel, Q.C., vice-president; J. Patterson, secretary; J. Moodie, sec.-treas; Carl Hoepfner, H. R. Leyden and A. T. Wood, M.P.

Work has been started on the construction of the new power transmission line to run along the mountain from the Cataract Power Co.'s station at DeCew's Falls to Hamilton, Ont. The work was commenced just south of Stoney Creek, and it is expected that the line will be ready for operation July 1st.

J. A. Culverwell, Toronto, has been appointed managing director of the Central Ontario Power Company (proprietors of the Burleigh Falls water power), of which Hon. R. Harcourt and Hon. Peter McLaren are directors. Mr. Culverwell has moved from Toronto to the company's office at Peterborough.

The new Century lamp guard, which is being placed on the market by the Packard Electric Co., Ltd. St. Catharines, Ont., is attracting favorable notice on account of the convenience in packing, as they nest and so occupy much less space than otherwise. The socket fastenings are the same as on the Perfection guards.

Iron trolley pole brackets are now being manufactured in Canada by the Builders' Iron Works, 65-71 Pearl street, Toronto. This concern also carries in stock steel and iron bars, steel angles, channels, tees, etc., and are prepared to tender on any builders' iron work, fire escapes, etc., which the completely equipped plant enables them to produce at short notice.

The Jones & Moore Electric Co. has recently booked orders for complete warehouse private telephone systems for G. R. Renfrew & Co., Watson & Co., Wyld, Grasett & Darling, Monetary Times, all of Toronto; A. A. Matthews & Co., have placed an order with the Jones & Moore Electric Co., for a complete lighting plant, dynamo, engine and marble switch-board for their new steamer "Tilly."

The London Cold Storage and Warehousing Co., London, Ont., has ordered from the Electrical Construction Co., London, Ltd., a 30 k.w. direct connected generator and engine for 250 volt service to supply the lights of the building and two motors of 10 and 15 h.p. respectively, which have also been ordered of the Electrical Construction Co., London, Ltd., of the Perfection type multipolar machines.

The Jones & Moore Electric Co. has recently furnished the following manufacturers with electric motors: Barchard & Co., G. Wellings, C. Wilson & Son, Hemming Bros., Turnbull & Russell, J. S. Bennett, A. R. Williams Co., R. A. Winton, Elliott Mfg. Co., Chandler & Massey, Minerva Mfg. Co., Bradshaw & Co., J. E. Dunham, J. E. Ellis & Co., the Featherbone Corset Co., Sexton & Co., J. Cohen.

The cable steamer "Faraday" finished landing at Canso, N.S., the short end of the new cable for the Commercial Company, which is to connect Canso with the Azores. Alexander Siemens, director of the celebrated firm of cable manufacturers, which has a contract for this work, personally superintended the work of landing the cable, which was successfully accomplished. The "Faraday" then proceeded paying out the cable, which will land at Fayal.

The Kneeland Reflector Co., 222 Friend street, Boston, Mass., manufacturer of reflectors, is putting on the market a new shade called Hood, and carries a stock of finished goods in silver bronze, green bronze and green enamel. All the goods manufactured by this company are said to be standard and can be relied upon to give satisfaction. S. R. Kneeland, of the company, is the original manufacturer and patentee of reflectors known for ten years as McCreary Standard Reflector Shades.

Judgment was given in the Court of Appeal last month in the case of Harris v. Toronto Electric Light Co.—Judgment on motion by plaintiff for order directing that upon the new trial directed by the court, to take place, the sole question to be determined shall be how the fire which destroyed the plaintiff's premises was caused. Order made directing a new trial generally on all questions raised, except that of damages. Costs of this motion to be considered as part of the costs of the appeal. J. B. Clarke, Q.C., and Swabey for plaintiff. Aylesworth, Q.C., E. F. B. Johnston, Q.C., and Henry O'Brien, Q.C., for defendants.

The Lachine Rapids Hydraulic and Land Co. has within the last two months installed three new generators of 1,000 h.p. each, and a fourth generator of the same power is now on the way, thus increasing the capacity of the works by 4,000 h.p. This machinery was supplied by the Canadian General Electric Co. Some changes have recently been made in the method of driving the exciters at the power house. Instead of being driven from the main shaft they have been put in brick buildings and driven by independent wheels. The company has recently put in lathes, drills and a planer, and have equipped a blacksmith shop, these to be used as a repair shop.