

SPARKS.

The Electric Light Company at Rat Portage, Ont., are erecting a new office building.

The town of Dartmouth, N. S., is at present considering the renewal of its electric lighting contract.

The capital stock of the Halifax Street Railway Company has been increased from \$600,000 to \$800,000.

A gentleman named Baumgarten is said to be negotiating for the construction of an electric railway at Brockville.

The announcement comes from Paris that the Auto Mobile Club is organizing a monster race of motor cars from Paris to St. Petersburg.

Mr. Fowler, on behalf of a syndicate, is still endeavoring to secure the construction of an electric railway from Lanark to Carleton Place.

The Montreal Park & Island Railway Company held their annual meeting last month, at which the old board of directors was re-elected.

Messrs. A. Bouin, Louis Martin and F. X. Drolet, of Quebec, have been appointed provincial examiners of boiler inspectors for the province of Quebec.

The Montreal Street Railway Company closed its business year a fortnight ago, and the total receipts are shown to be \$1,333,632.84, an increase of \$80,226.07 over last year.

The capital of the Quebec Street Railway Co. is to be increased from \$320,000 to \$400,000, thus enabling the company to complete without delay the whole line intended to be built.

Mr. D. Lamont, manager of the Palmerston electric light plant, states that he finds the ELECTRICAL NEWS very interesting, and considers it as a necessary part of every well equipped plant.

At the annual meeting of the Ottawa Car Co., held last month, directors were elected as follows: T. Ahearn, president; P. Whelan, W. W. Wylie, J. W. McRae, and William Scott.

The Vernon & Nelson Telephone Co., of which Mr. H. W. Kent is superintendent, have commenced the construction of a metallic circuit long-distance telephone line between Nelson and Trail, B. C.

On the 9th ultimo a by-law was carried by the township of King granting a bonus of \$12,000 to the Aurora & Schomberg Railway Co. It is proposed to commence the work of construction in the spring of 1898.

The St. John Street Railway Co. have lately received two new vestibule cars from the Ottawa Car Co. They are said to contain several improvements, including electric buttons on either side of each window, electric heaters, etc.

The Sherbrooke Electric Railway Co. have completed their line from the city limits to the end of Lennoxville. Mr. Mylon, of the Canadian General Electric Co., is looking after the company's interests in connection with the construction of the road.

The city of Montreal has entered an action for \$21,000 against the Montreal Street Railway Co. The city claims that it is entitled to receive a percentage of the receipts taken by the company in the suburban municipalities, while the company contends that it is bound to account only for the receipts within the city limits.

Mr. A. J. Corriveau, of Montreal, has lately returned from a trip over the proposed route of the Montreal Southern Counties Railway. It is Mr. Corriveau's intention to construct the line through Chambly, where the motive power will be obtained. The route embraces St. Johns, St. Alexandria, Bedford, Cowansville, Knowlton, Sherbrooke, Lennoxville and other towns.

John Inglis & Son, of Toronto, have obtained a verdict of \$700 against the Hamilton, Grimsby & Beamsville Railway Co. The company purchased a flywheel for an engine from Messrs. Inglis & Sons, but claimed it was defective and refused payment. The plaintiffs claimed that it was made according to contract and passed by the company, and were awarded judgment as above.

Mr. J. B. Griffith, manager of the Hamilton Street Railway Co., has become financially embarrassed. At a meeting of creditors a statement was presented showing assets of \$48,500, consisting of shares in the Hamilton Street Railway Co. The liabilities amount to \$47,127, of which \$45,227 is secured by the hypothecation of the shares. It is probable the estate will be wound up.

There appears to be friction between the Hull Electric Railway Co. and the management thereof. A short time ago Mr. G. W. Seguin, who was acting as secretary-treasurer, retired from the company, and now it is announced that Mr. H. B. Spencer, superintendent of the road, will probably resign, owing to a desire on the part of the company to reduce expenses. Mr. Spencer was engaged about one year ago as superintendent for five years, at a salary of \$3,000 per year.

The Engineering News states that a contract has been signed by the Southern California Power Company for an 80-mile transmission, which is the longest distance on record, the next one to it being 36 miles for the Salt Lake City plant, in which only one-fourth the power is transmitted at one-third the line pressure used on the Niagara Falls-Buffalo transmission. The power station is 12 miles from Redlands; there will be four three-phase generators of 750 k.w. each, directly connected with impact turbines; 250-k.w. transformers will raise the pressure to 33,000 volts.

It is reported that the Belgian government have decided upon trying electric locomotives on the ordinary state railways. The first experiment is to be made between Brussels and Tervueran, a distance of nine miles. The accumulator system is to be adopted. The accumulators for this service will weigh 12 tons, the electric motors and appliances 10 tons, and the cars, which will carry 80 passengers, 20 tons. The charging of the accumulators occupies one hour for every eighteen miles of running power, but are capable of being charged for seventy-two miles of operation. The motors are to be compound wound and the pressure of current about 500 volts. The success of the trial will be watched with much interest.

TRADE NOTES.

The Foley Mines, Seine River, Ont., are now installing two 100 horse power steel boilers, built by the Jenckes Machine Co., of Sherbrooke.

Mr. C. B. McAllister, of Peterboro', is lighting his new mill by electricity, and has placed an order for the dynamo and fixtures with the Royal Electric Company.

Mr. H. Corby, of Belleville, is lighting his distillery and warehouses with electricity, and has placed his order for the dynamo, etc., with the Royal Electric Company.

D. Champoux & Bro., Disraeli, are installing an electric lighting plant, and have purchased for this purpose a 30" Crocker turbine from the Jenckes Machine Co., of Sherbrooke, Que.

The Galvanic Battery Works Company, of Toronto, in their new catalogue, devotes considerable space to a description of electro-neurotomy apparatus for use in the treatment of spinal and other diseases.

The Hawthorne Woolen Co., of Carleton Place, have recently enlarged their premises, and are lighting them throughout with electricity. The contract for electrical apparatus has been awarded to the Royal Electric Co.

The Owen Sound Portland Cement Co., of Shallow Lake, have purchased an electric plant from the Royal Electric Co., and will have the same operating in a very short time. It is their intention to work twenty-four hours per day during the season.

The 30-stamp mill at the Sultana Mines is almost ready to commence operations. This mill is probably the most modern one in the district, and the complete plant with which Mr. Caldwell is equipping the property was furnished by the Jenckes Machine Co., of Sherbrooke, Que.

The Old Ironsides Mine at Greenwood, B. C., have got their new plant, which was furnished by the Jenckes Machine Co., of Sherbrooke, Que., into position, and are now about ready to ship ore. This property is expected to enter the list of dividend payers within the next few months.

In the Machinery Hall at the St. John Exhibition the Robb Engineering Company, of Amherst, N.S., exhibited one of their well-known 40 horse power side crank engines. A railing surrounded a stage, upon which the engine was set, thus forming an ideal engine room. The exhibit was in charge of Mr. J. J. Porter.

The Goldie & McCulloch Company, of Galt, Ont., exhibited at the St. John Exhibition one of their Ideal engines, for which engine is said to make a great saving in oil, using as it does one they have the exclusive right of manufacture for Canada. This oil cup, and is the only self-oiling engine built in the Dominion.

The Robb Engineering Company, Limited, have received an order for three tandem compound engines, side crank type, for export to Spain. These engines are to be direct connected to electric generators, and were ordered by an English engineering firm who are building electric tramways at Barcelona and Madrid.

The Dominion Paper Company, extending and enlarging their mills at Kingsley Falls, Que., have placed an order with the Jenckes Machine Co., of Sherbrooke, for two of their 30" Crocker special turbine wheels. These wheels are mounted on one shaft, set horizontally in a steel case, thus doing away with the gearing and attendant evils.

The Cockshutt Plow Co., of Brantford, have bought additional premises, and are doubling the capacity of their works. Among the important changes is the substitution of electricity for gas. They have placed their order for a 30 k. w. generator and 250 light installation with the Royal Electric Company. The generator is to be of the "S. K. C." two-phase type, wound to deliver 110 volts direct to mains. This system for isolated lighting is a radical departure from the old lines, and is the second instance in Canada where it has been placed in use for factory lighting.

The Thompson Electrical Company, of Hamilton, Ont., report sales of their "T. & T." arc lamps to the following: The Sarnia Gas & Electric Co., Stratford Gas & Electric Co., Guelph Gas & Electric Co., St. Thomas Gas & Electric Co., Preston Electric Light Co., Gananoque Electric & Gas Light Co., Manitoba Electric & Gas Light Co., Wallaceburg Electric Light Co., Hamilton Electric Light & Power Co., Niagara Falls Electric Light & Power Co., Welland Electric Co., Woodstock Electric Light & Power Co., City of Windsor, Ont., Montreal Rolling Mills Co., Ontario Rolling Mills Co., John Bertram & Sons, J. Garrioch, Godard & Co. A complete 100 arc light plant, including dynamos, lamps and circuits, has been sold to the city of Chatham, Ont., for lighting its streets.

PERSONAL.

Mr. Karl Wildern, inspector for the Bell Telephone Company, was recently married at London, Ont., to Miss Wilkins.

At Victoria, B. C., recently, Mr. Robert W. Harrup, of the British Columbia Electric Railways, was married to Miss Williams.

The resignation is announced of Mr. William Bathgate, who for the past twelve years has been manager of the Winnipeg Gas and Electric Company.

Mr. J. A. Culverwell, formerly with the General Electric Co. at London, Ont., has received the appointment of local manager for Toronto and Central Ontario for the London & Lancashire Life Insurance Company.