

It is learned that the Dominion estimates for the ensuing year will contain votes for the erection of a new building for the Geological Survey and Museum, and also one for the records and archives.

The following officers of the Toronto Board of Trade have been elected by acclamation: President—A. E. Kemp; first vice-president—A. E. Ames; second vice-president—W. E. H. Massey; treasurer—J. L. Spink.

T. T. W. Bready, J. Love and C. R. Tryon, Winnipeg, Man., and J. Carruthers and C. W. Band, Toronto, are applying for a Dominion charter as the Winnipeg Elevator Company, Ltd., with a capital of \$300,000.

W. P. McMicking, D. J. Bastien, W. H. Spillman, E. E. Adams, J. McC. Field, W. Smith, J. S. Greenhill, Leamington, Ont., and W. E. Lee, Virgil, Ont., have been incorporated as the Leamington Veneer and Basket Co., Ltd.; capital, \$3,000.

A. W. Campbell, Provincial Road Instructor, recently went to Cornwall, Ont., to consult with the Town Council there regarding the disposition of \$20,000, which has been voted by the ratepayers for the purchase of machinery and the construction of a number of new roads.

C. Cannom, G. N. Weeks, L. Nichols, J. H. Dunn, R. A. Little, and G. F. Morris, London, and J. E. McGuffin, Township of London, have been incorporated as the Cannom Stove and Oven Company, Ltd., with a capital of \$20,000, to do business as manufacturers of stoves etc., in London, Ont.

W. Sproule and S. W. Trusler, Plympton, Lambton county, Ont.; G. Knight, T. Carrick, Sarnia, and R. E. Moss, M.D., Port Huron, Mich., have been incorporated as the Lambton Oil Co., Ltd., to deal in and refine oil, etc.; capital, \$20,000; chief place of business Sarnia, Ont.

The advertisement of the wire rope output of the B. Greening Wire Co., Hamilton, reminds us of the fact that that old and firmly established firm is now being managed by the third generation of its founder's family, as is pleasantly told by the portraits of the three members of the Greening family on the calendar issued by the firm.

It is reported that the total sales of lumber in Manitoba and the Northwest this year exceed those of last year by about 30,000,000 feet. The quantity of spruce cut in Manitoba mills is estimated at 15,000,000 feet in excess of last year. The growth of the trade in imported lumber from the United States has been very great. In 1892, before the duty was taken off, the importation of rough lumber was only a little over a million feet, while that of dressed lumber was very much smaller. In 1897 the importation from the States amounted to 16,000,000, and in 1898, 35,000,000 feet. This is of course, chiefly undressed lumber. The quantity of pine from the Rat Portage mills is estimated at over 50,000,000 feet.

W. M. Watson, Toronto, has designed and completed a model of a square built hot air furnace. The height is $5\frac{1}{2}$ feet by 3 feet by 3 feet square. The fire pot is circular, measuring 22 inches across, and is 12 inches deep. The cold air enters at the floor line, and is conducted by bent channels upward in thin streams over the radiating plates in a way that causes a very rapid current and great heating power. The advantage of this method of heating air is, the inventor claims, that about 75 per cent. more cold air can be heated to a given temperature with the same weight of coal as is used by the present hot air furnaces, because it contains over 150 square feet of direct heating surface plates that are self cleansing and cannot become coated by soot or dust. This furnace can, it is stated, be manufactured quite as cheaply and would be as durable as any other furnace.

The Fairbanks Co., which for many years has had an agency in Montreal for its well-known scales, has opened a warehouse of its own. The Fairbanks Co. controls besides its scales, the output of a number of factories, and at the show rooms their products are on exhibition. The asbestos disc valve of this company, for which an advertisement is inserted on another page, is an article of the highest grade. Asbestos seat gate valves, asbestos packed cocks, and Vulcabeston packings complete this line. Trucks of all kinds are in evidence. Norton emery wheels and Nicholson files are also carried. In the basement is a 6 h.p. gas engine of the Fairbanks' Company's own make, used to

work the lift and furnish power for the repair shop. The Fairbanks Co. has just issued a 240 page catalogue of supplies, which they will gladly send on request.

Electric Flashes.

Hanson Bros. syndicate of Montreal has taken possession of the Havana street railway.

At Ottawa the Sunday car vote resulted in an overwhelming majority for the cars. The figures are: For, 4,628; against, 1,664; majority for, 2,964.

A vote was taken January 9th in Bradford, Ont., on a by-law to raise \$6,000 for the purpose of putting in an electric light plant. The by-law was defeated.

The Department of Railways and Canals has placed an order with the Canadian General Electric Co. for additional apparatus to be used at the Sault Ste. Marie Canal.

The Bell Telephone Company has decided to place more of its wires under ground in Hamilton, Ont., as there has been very great loss occasioned by sleet storms on more than one occasion.

The Hawthorn Woolen Mill Co., of Carleton Place, Ont., is increasing its lighting plant and has placed an order with the Royal Electric Co. for a 25-k.w. bipolar generator, which is to be installed at once.

The Canadian General Electric Co. is installing for H. A. Lozier & Co., Toronto Junction, Ont., one of their 200-light dynamos, with marble panel, and wiring up some 200 incandescent lights, in their new factory.

The Watson Mfg. Co., St. Catharines, Ont., is removing to its new factory at Paris, Ont., and has placed an order with the Canadian General Electric Co. for the wiring up of the factory, and installing a plant to furnish some 250-16 c.p. lamps.

Incorporation is sought for a company under the name of the British Columbia Telephones, Ltd., to acquire the New Westminster, B.C., and Burrard Inlet Telephone Company, Ltd., and the Vernon and Nelson, B.C., Telephone Company.

The Central Construction Co., 263 Main street, Buffalo, N.Y., whose specialty is water, steam and electric power plant construction, has the contract for the Orillia, Ont., electric power plant at \$75,000, for which the ratepayers voted the necessary funds on February 6th.

At the electric railway car shops, Niagara Falls, Ont., eight men are employed in the building of six large new open cars for the use of the road during the summer, and one of the cars is now completed. It is a double truck, 35 feet long, with a seating capacity of 75 people.

Incorporation is asked for the Hamilton and Caledonia Ry. Co. to construct a railway from Hamilton, Ont., to Caledonia and Cayuga, and extend it to Selkirk, a point on the shore of Lake Erie. The line may be operated by steam or electricity, and will also deal in natural gas.

N. P. Tanquay, Esq., of Weedon, Quebec, has contracted with the Canadian General Electric Co. for a standard 55-k.w. new type multi-polar generator, and a 35-h.p. motor, together with marble panels and all line material and supplies required for carrying out the transmission of the above power.

The works of the Chambly Mfg. Co., have been somewhat damaged owing to ice breaking the apron of the dam. A new timber apron has been constructed, five feet thick, and no further trouble is believed to be possible. The installation is expected to be entirely complete, and the current turned on about May 1st.

The Bruce Mines and Algoma Railway Company asks for an Ontario charter to construct a railway from Bruce Mines, Ont., northerly to the Rock Lake Copper Mines, thence northerly a distance of thirty miles, with power to equip by steam or electricity, and if the latter, with power to sell the surplus electric energy for light, heat and power purposes, and to supply the miners with electricity for their mines, and also to construct branch lines of railways not exceeding twelve miles in length.