

with 2 storage reservoirs, which are charged in a few seconds from the stationary reservoir at 300 lbs. pressure. By means of a reducing valve this pressure is reduced to 50 lbs., at which pressure the air enters an auxiliary reservoir, from which it is controlled, to the brake cylinder by means of the engineer's valve, in the usual manner. There are some special features in the construction & operation of this valve. The storage equipment of cars is calculated for 300 stops, which is sufficient for ordinary car operation: when necessary this capacity can be increased."

In the "conclusions" of the Board of Railroad Commissioners, which wind up the report, the Board says: "After careful consideration of the whole subject of brakes for electric cars, the Board has determined that, except in special cases, where the liability to accident is very remote, the ordinary single chain & spindle hand brakes now generally used should be replaced by the brakes made by one of the following manufacturers, or any other which in the judgment of the Board is hereafter shown to be equally efficient."

The list given by the Commissioners is divided in the following order: air brakes, electric brakes, friction brakes, hand power brakes, & the list is headed in order of merit by the air brake made by the G. P. Magann Air Brake Co. of Toronto & Detroit, Mich.

The G. P. Magann Air Brake Co. had a stand at the recent convention of the American Street Railway Association at Kansas City, in charge of E. C. Rutherford, but did not make an extended exhibit. By invitation a number of delegates rode over the new Kansas City-

Leavenworth electric line, all the cars of which are equipped with the Magann brake. The freedom from complicated parts in this braking system, & its quick & accurate operation won for it many words of commendation.

Montreal Street Railway Company.

The following report was presented at the 40th annual meeting Nov. 7:

The business for the year ended Sep. 30 shows a net profit of \$647,246.64, against \$630,870.61 for the previous year. Out of this four quarterly dividends of 2½% each have been declared, amounting in all to \$512,500, leaving a surplus of \$134,746.64, of which \$50,000.00 has been added to contingent account & the balance—\$84,746.64—to surplus account. \$27,091.91, expended during the year on special renewals, has been charged against contingent account. The roadbed, rolling stock, buildings & other property have been efficiently maintained. The increase in the business during the year has been most satisfactory.

The operating expenses show an increase of 1.11% as compared with last year. This is due to the cost of the more frequent & extended car service demanded by the City; increased expenditure for snow clearing, occasioned by the extraordinary storms during March; increased cost of fuel & general supplies, as well as increased wages.

A car-shed, to accommodate the additional rolling-stock built during the year, has been erected on the Co.'s property at St. Henri; local offices, public waiting-room & rooms for

conductors & motormen have been erected at Hochelaga. A fireproof addition has been built to the William St. power-house, to accommodate a portion of the new electrically-driven plant required in connection with the contract entered into with the Chambly Mfg. Co. for additional power. The car-shops & machine-shops erected last year, as well as the new running-sheds at Hochelaga & St. Denis St., have proved most convenient & satisfactory, & have enabled the Co. to attend to its increased business with advantage.

The rolling-stock has been increased during the past year by the addition of 56 closed motor cars, 45 open motor-cars, 1 stores-car with equipment, 7 supply-cars & 80 trucks, & the electrical equipments for the cars have been increased by 128 motors & 83 controllers. There are at present under construction in the Co.'s shops 6 extra long closed motor-cars, mounted on double trucks, making in all 25 cars of this new type, which will be available for service during the coming winter. The feeder wire system, for the purpose of distributing power from the power-house to the different sections of the line, has been largely added to & increased in capacity, & the results obtained have been most beneficial. The system of cast-welding rail-joints has been continued & extended, the experience obtained during the past two years fully justifying the expense incurred.

During the past year the Co. has paid to the City of Montreal the following amounts: tax on earnings & other taxes, \$84,423.71; on account of snow-clearing, \$84,256.22; total, \$168,679.93. The question between the City

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