

lighted by electricity. There are at present two cars running at intervals of 20 minutes, commencing at 6 a.m. and continuing until 1:40 p.m. each day (Sunday excepted). The cars used were manufactured by Jones Bros., of West Troy, N. Y., at a cost of \$8,000 each, and are simpler than the ordinary street car in appearance, and in winter are provided with a small coal stove encased in mahogany and brass, occupying the space of one passenger, and the current passing outside the buildings along the trolley wire, and by the trolley down through the car to the motors, and from thence to the rails by the wheels. A large underground cable is laid in the bed of the tracks, to which pieces of wire are attached and extended to every junction of the rails, and so completing the return current. The motors are placed inside the floor of the cars and do their work without any noise or discomfort of any kind to the passengers.

The cars are fitted up with every modern improvement, including incandescent lights and electric bells, and have gates on the platform for the safety of passengers. The capacity for obtaining a high speed whenever necessary, and the light, noiseless, easy-running, commend them to the public as a good substitute for the noisy horse cars. This is demonstrated by the traffic having already increased so as to necessitate two additional motor cars, which are now under way.

The great weight of the motors in the cars demand a heavier rail, especially in snowy weather, and the company have put down a 50 lb. T rail. This being done, a perfect degree of safety has been obtained, the running is smoother, and a great reduction of time has been made possible on each trip. The points of the track open and close as the cars pass over them, and the conductor is not required to alight from the car except to reverse the trolley pole on the overhead line at end of his journey.

The distance covered by the company is about 2 1/4 miles, which is run in twenty minutes, including stops, but it is expected they will be able to reduce this to about fifteen minutes.

PROF. BOVEY.

It would be difficult to over-estimate the value of the service rendered by Prof. Bovey, of McGill University, on behalf of the approaching Electrical Convention in Montreal. From the moment, months since, when he consented to act as one of the representatives of the city of Montreal, he has been untiring in his efforts to provide for the pleasure and instruction of the visitors. We doubt not, therefore, that the accompanying portrait and brief outline of his career, will have an interest for many of our readers:

Prof. Henry Taylor Bovey was educated at a private school in England, and at Cambridge University. On entering the University he competed for and obtained an open scholarship. On graduation he took a high place in the mathematical tripos, and shortly after was made a fellow of Queen's College. Having decided to adopt the profession of engineering, he joined the staff of the Mersey Docks and Harbour Works. He was shortly appointed one of the assistant engineers on this work, and in this capacity had charge of some of the important works then in progress.

In 1877 he was appointed Professor of Civil Engineering and Applied Mechanics in McGill University. The engineering courses in the University were at that time managed as a department of the Faculty of Arts, and were without buildings or equipment. In 1878, however, a department of Applied Science was constituted, and Prof. Bovey was elected its Dean. The magnificent endowment of the late Mr. Thomas Workman

and Mr. W. C. McDonald have afforded Dean Bovey an opportunity for the display of his great executive ability and untiring energy.

Much of the success of the Canadian Society of Engineers is without doubt due to Prof. Bovey's labours as its Secretary, which position he occupied continuously from the foundation of the society until within the past few months, when increasing college duties compelled him to resign the office. Prof. Bovey is a Fellow of the Royal Society of Canada, a member of the Institution of Civil Engineers, as well as of several other engineering societies.

LIST OF COMMITTEES.

THE following is a list of the gentlemen comprising the various Committees, under whose direction the programme of the Montreal Convention will be carried out:

CITIZENS EXECUTIVE COMMITTEE. Prof. Bovey, president; John Kennedy, vice-president; P. W. St George, 2nd vice president; F. R. Redpath, 3rd vice president; R. White, treasurer; F. Fairman, acting treasurer; Prof. John Cox, John Carroll, hon. secretaries; Prof. Nicholson, Prof. McLeod, L. B. McFarlane, W. H. Laurie, W. E. Christie, J. S. Sherer, James Kent, H. M. Linnell, D. W. McLaren, J. A. U. Beaudry, C. F. Sore, A. J. Corriveau, H. Beaugrand, E. C. Arnoldi, Geo. W. Sadler, M. Perrault, L. W. Toms, S. C. Stevenson, James Harper, Phelps Johnson.

SUB-COMMITTEE OF EXHIBITION COMMITTEE. Frank R. Redpath, chairman; John Carroll, secretary; Prof. John Cox, Prof. Bovey, John Kennedy, Frederic Nicholls, A. J. Corriveau, S. C. Stevenson.

SUB-COMMITTEE ON FINANCE. F. Fairman, chairman; J. A. Beaudry, John Carroll, A. J. Corriveau, H. R. Ives, H. H. Beaugrand, J. Cooper, J. H. Burland, F. R. Redpath, R. White, Dugald Graham.

LADIES' ENTERTAINMENT COMMITTEE. John Carroll, chairman; Prof. John Cox, A. J. Corriveau, S. C. Stevenson, E. C. Arnoldi, W. E. Christie.

COMMITTEE ON EXCURSION DOWN LACHINE RAPIDS. John Kennedy, chairman; Prof. H. T. Bovey.

BANQUET COMMITTEE. John Carroll, chairman; John Kennedy, S. C. Stevenson, A. J. Corriveau, F. Fairman, W. E. Christie, L. B. McFarlane.

GARDEN PARTIES COMMITTEE.—Prof. Bovey, chairman; John Kennedy, F. R. Redpath.

PROMENADE CONCERT COMMITTEE, (at Sohmer Park).—L. W. Toms, chairman; S. C. Stevenson, H. Beaugrand.

CONVERSAZIONE COMMITTEE.—Prof. McLeod, chairman; Prof. Nicholson, H. M. Linnell, L. W. Toms, John Carroll.

FIRE DEPARTMENT DISPLAY COMMITTEE.—S. C. Stevenson, chairman; E. C. Arnoldi, G. W. Sadler.

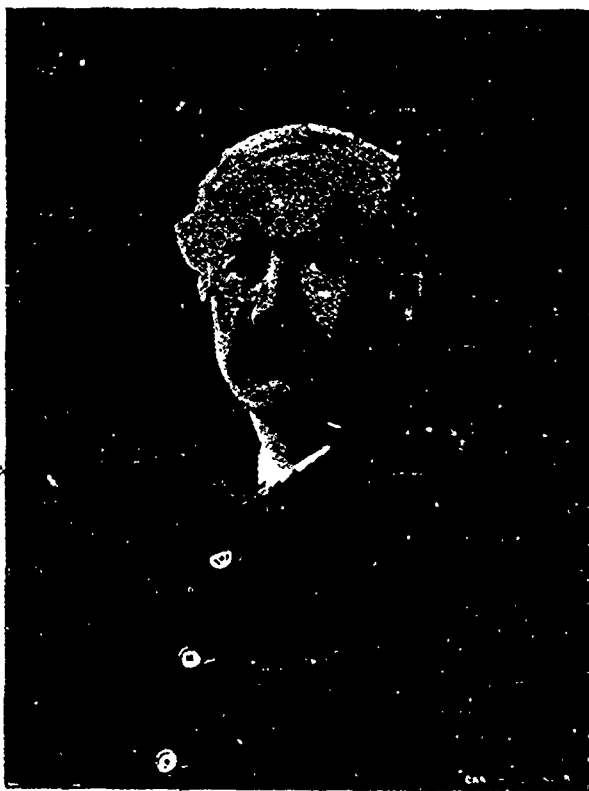
COMMITTEE ON HACKS.—L. W. Toms, chairman, A. J. Corriveau, E. C. Arnoldi.

COMMITTEE TO ARRANGE REDUCED RATES TO IBERVILLE. A. J. Corriveau, chairman; H. M. Linnell, S. C. Stevenson, John Carroll.

LACROSSE COMMITTEE.—W. E. Christie, chairman; E. C. Arnoldi.

IMPORTANT NOTICE.

A meeting to informally consider the advisability of organizing a Canadian Electrical Association, will be held on Thursday, the 17th Sept., inst., at the hour of 2:30 o'clock p.m., in the offices of the Industrial Exhibition Association, Exhibition Grounds, Toronto. A cordial invitation is given to persons in any way interested in the electrical industry in Canada to be present.



PROF. BOVEY.