

## AMERICAN SOCIETY OF MECHANICAL ENGINEERS.

The twenty-ninth annual meeting of the American Society of Mechanical Engineers will be held in Montreal this month, beginning on Tuesday, the 5th, and ending on Saturday, the 9th. The convention promises to be an unusually interesting one, and citizens of the commercial and manufacturing metropolis of Canada will feel honored in having their city selected as the gathering place of so important a body of men. Canada has as yet no society exclusively devoting itself to mechanical engineering, though the idea of organizing one has been mooted from time to time in recent years. The convention to be held this month will awaken fresh interest in this subject, and no doubt the outcome will be the formation of such a society for Canada, perhaps in affiliation with the American Society. Meantime quite a number of Canadians have the honor of belonging to the American Society, and we are sure that not only they, but the large number of other citizens interested in mechanical engineering, will take a hearty interest in the convention, and will do what they can to make the visit of our American friends pleasant and profitable. Montreal has a large number of industrial establishments, which will prove well worthy of a visit, while those who are fond of the picturesque, the quaint and curious, will find in or around Montreal plenty to entertain them for a few days.

The following gentlemen have been appointed a committee for the reception and entertainment of the delegates: P. A. Peterson, C. H. McLeod, F. L. Wanklyn, Edgar McDougall, John Kennedy, E. P. Hannaford, H. T. Bovey, F. R. Redpath, W. Laurie, R. Atkinson, K. Blackwell, T. C. Keefer, G. C. Cunningham, A. Davis, J. Hersey, John Dyer (of the Caledonia Iron Works), Robt. Gardner, Geo. Brush, Wm. Kennedy, jr., Prof. Cox, P. W. St. George, J. T. Nicolson (secretary), and Herbert Wallis (chairman).

A detailed report of the proceedings at the convention will appear in our next issue.

The following is a programme of the chief events of the convention:

**TUESDAY AFTERNOON, JUNE 5TH.**—Informal drive for those who have reached the city, round Mount Royal Park, leaving the hotel at 3.30 p.m.; or a visit to the Art Gallery, as may be preferred.

**TUESDAY EVENING.**—Opening session in the Molson Hall, McGill University, at 8.30 p.m. Address of welcome by J. O. Villeneuve, Esq., M.P.P., Mayor of Montreal; by Hon. Sir Donald A. Smith, LL.D., Chancellor of the University; by Professor H. T. Bovey, LL.D., Dean of the Faculty of Applied Science; and by Herbert Wallis, Esq., Chairman of the Local Committee. Response by Mr. Eckley B. Coxe, of the society.

**WEDNESDAY MORNING, 10 A.M.**—After the preliminary business of reports of tellers, etc., professional papers will be taken up as follows: A. K. Mansfield: "Notes on the Theory of Shaft Governors." Albert F. Hall: "Head Units and the Specifications for Pumping Engines." W. H. Bristol: "A New Recording Pressure Gauge for Extremely High Ranges of Pressure." Frank Richards: "A Note on Compressed Air." A. W. Robinson: "The Relation of the Drawing Office to the Shop in Manufacturing."

**WEDNESDAY AFTERNOON.**—By the courtesy of the G. T. R., a special train will take the delegates to Lachine wharf, where they will tranship into a steamer,

furnished by the Harbor Commissioners, for a trip down the rapids. They will land on Isle au Heron, where afternoon tea will be served. The party will afterwards view the dredgers' operations in the harbor, and will finally land at the entrance to Lachine Canal.

**WEDNESDAY EVENING.**—A general reception to the members and their ladies will be extended by Hon. Sir Donald A. Smith, to be held at his residence, 1157 Dorchester Street, beginning at 9 p. m.

**THURSDAY MORNING, 10 A.M.**—*McGill University.*—Professional papers as follows:—R. H. Thurston, "The Theory of the Steam Jacket;" "Current Practice." D. S. Jacobus, "Results of Experiments with a 50 H. P. Single Non-conducting Ball and Wood Engine to Determine the Influence of Compression on Water Consumption." Frank H. Ball, "Cylinder Proportions for Compound Engines, determined by their Free Expansion Losses." F. M. Rites, "A New Method of Compound Steam Distribution." Jesse M. Smith, "Tests of a Small Electric Railway Plant." W. S. Aldrich, "Power Losses in the Transmissive Machinery of Central Stations."

This morning session will adjourn in season to permit the members to assemble for luncheon at the Montreal Street Railway Company's Power House. After luncheon and an inspection of the power plant, the party will visit the shops of the Grand Trunk Railway, situated at Point St. Charles.

**THURSDAY EVENING, 8 P. M.**—Professional Papers as follows: M. P. Wood: "Rustless Coatings for Iron and Steel." James McBride: "Corrosion of Steam Drums." C. W. Hunt: "A New Mechanical Fluid." F. R. Hutton: "First Stationary Steam Engines in America." DeCourcy May: "Cost of an Indicated Horse Power." John R. Freeman: "A New Form of Canal Waste Weir." Topical Discussions.

**FRIDAY MORNING, 10 A.M.**—Professional Papers as follows: G. W. Bissell: "Effect of Varying the Weight of the Regenerator in a Hot-air Engine." W. R. Roney: "Mechanical Draft for Boilers." R. C. Carpenter: "The Saturation Curve as a Reference Line for Indicator Diagrams." Denton-Jacobus-Rice: "Results of Measurement of the Water Consumption of an Unjacketed 1,600 H. P. Compound Harris-Corliss Engine." F. B. King: "Notes on the Corrosion of a Cast Steel Propeller Blade." Topical Discussions, Concluding Business. Adjournment.

**FRIDAY AFTERNOON.**—After luncheon the party will visit the C. P. R. works or Canadian Rubber Factory; and at 4.30 they have been invited to attend a garden party at Mrs. J. H. R. Molson's, Piedmont Hall.

**SATURDAY.**—This day will be devoted to an all-day excursion to Ottawa by special trains on the C. P. R., leaving the Windsor Station at 8 a.m. and returning about 4 p.m., so as to reach Montreal in time for the outgoing trains for Boston and the East, and for New York and the West. The points of interest in Ottawa will include Mr. J. R. Booth's Saw Mills, the Street Railway Company's Power Station, the City Water Pumping Station, and the Timber Slides. In addition to the points which will be visited by the Society as a whole, the local committee of arrangements have received invitations from a number of firms, at whose works small parties of those specially interested will be welcomed.

The Professional Sessions will be held at the Engineering Building of McGill University, and the hotel headquarters will be at the convention office, Windsor Hotel.