

one Wm Norris read a paper on "Electricity," which was well received. A number of very interesting discussions took place on pumps, engines, steam and exhaust ports, etc.

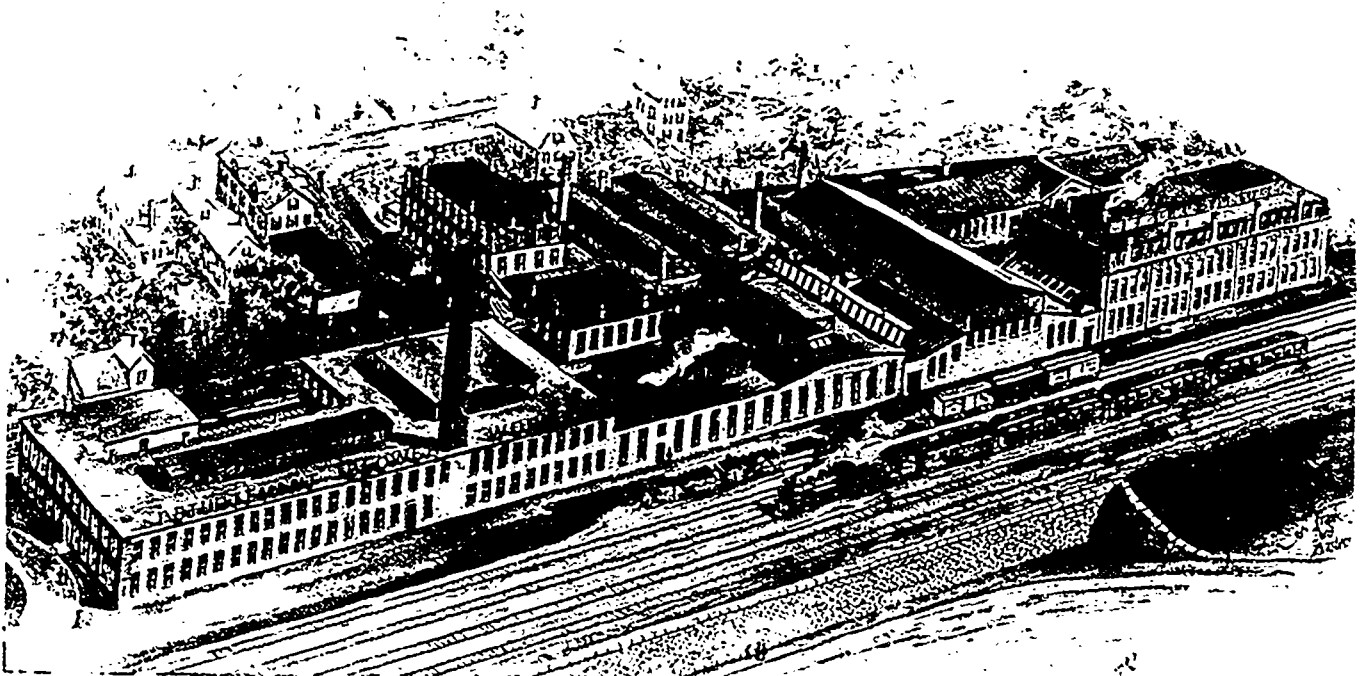
MONTREAL'S ANNUAL DINNER

The sixth annual dinner of the Montreal branch of the Canadian Association of Stationary Engineers was held on Thursday, January 30th, at the Queen's Hotel, at which about 160 persons sat down. Letters of regret were read from G. C. Cunningham, A. Ramsay, S. Jackson, Jno. Peck, W. N. Brown, H. Holgate, W. B. Blackgrove and S. E. Stephenson. The chairman, Jno. J. York, in addressing the visitors and members, remarked that probably not one-quarter of the steam users of Canada knew anything about the objects of the association, although it has caused and encouraged the present economy in the use of steam plants by its method of educating the engineers. In November, 1885, H. Nuttall read the first paper before the association, on "Priming in Steam Boilers." Since then, at every meeting, some subject connected with the use of a plant is taken up and discussed. At the Association Hall, Dorchester street, where weekly meetings are held, every other meeting is devoted to those members who wish to catechise the lecturer for the time being, and the questions often display a surprising amount of enlightened study on the part of engineers actively engaged in the shops. Mr. York says that if the steam users would only exchange confidences and take the advice of the

neers throw light on the action of valves, super-heating, lubrication, indication of horse-power as to cost, the bursting of fly-wheels, etc. After the toast to "Our Queen and Country," Walter Laurie spoke to that of "The Council of Arts and Manufactures." Col. Stephenson, supported by B. A. York and O. E. Granberg, replied ably to the toast of "Boiler Inspection." Then followed the "Brotherhood of Locomotive Engineers," "Our Tormentors—the Oil and Supply Men," "Our Guests," and "The Press." The guests, all of whom highly complimented the association on the great advances it had effected and its future usefulness, were Mr. Morton, Col. Massey, Mr. Morrice, of the Ames Holden Co., H. R. Ives, Mr. Hersey, John Dyer, W. T. Bonner, Wm. Vallance, of the White Boiler Company, and W. D. McLaren. The evening was very informative to both steam users and engineers, while the interspersed music and occasional impromptus from general favorites made it one of the most jovial entertainments in the history of the Association.

The dinner committee consisted of John J. York (chairman), O. E. Granberg, Joseph Elliott, J. G. Robertson, Harry Nuttall and B. A. York, secretary.

We are pleased to record that John J. York, president of Montreal, No. 1, C.A.S.E., was recently the recipient of a "smoker's set," containing a valuable meerschaum and a briar pipe, as a mark of esteem from members of the Montreal Board of Trade engineering staff.



WORKS OF THE B. F. STURTEVANT COMPANY, BOSTON, MASS. (See page 273)

association, paying it 25 per cent. of the saving effected, the association would soon own a hall of its own larger than the hotel in which they had been dining. The engineer has it in his power largely to increase or decrease profits. A certain manufacturer, known to the speaker, increased his plant, and was surprised to find that the consumption of coal increased at a greater rate. The engine builder was called in and it was finally agreed that the builder should receive the savings effected by his advice for a few days. As a result, and much to the surprise of the manufacturer, he received \$175. Every employer sought out an expert bookkeeper. Then why not an expert engineer? But while the steam users were content to be expert bookkeepers themselves, leaving a thorough knowledge of all steam plants out of calculation, they do not excite a proper emulation amongst the engineers and must expect to suffer. The chairman added that the Montreal association now possessed models to the value of about \$700, and was about to sign an order for \$150 worth of books for the library. Prof. Nicholson, in speaking to the toast to the "Faculty of Applied Science," explained lucidly the difference between the results obtained in an experimental school and those possible to an engineer actively engaged in a shop. F. W. Taylor, of Philadelphia, made his experiments on belt data during nine years of work in a machine shop. Theoretic men are deficient in experiments on the steam pump and condensers, a subject easy to thrash out for a man actively employed. Let some of the engi-

TORONTO, NO. 1, IN A NEW HALL.

On the evening of January 23rd, Toronto Branch, C.A.S.E., had a most enjoyable 'house-warming' to celebrate their advent into the new hall, in Victoria street. Their new home could not have been better if it had been specially built for the association. The suite of rooms include, besides the main assembly room 45x35, a long room which will make an admirable library and reading-room, an ante-room and a cloak-room and lavatory. The library room is so situated that it can be entered without passing through the main room or disturbing a meeting. Though the opening night was stormy, the large hall was filled, the ladies turning out in strong force. The walls were decorated with banners, streamers and mottoes, and looked very attractive. The programme consisted of an entertainment, followed by refreshments and a dance. The chair was occupied by Wm. Lewis, president, and during the evening a short address of a retrospective nature was given by A. M. Wickens, who is regarded as the father of the association. Mr. Wickens said it was only nine years since this association was formed, with a total membership of twelve or thirteen. At the end of the first year the membership had grown to forty, and at the end of the third year the executive council was formed, and branches had been organized in other cities. Now there were branches extending from Winnipeg to Montreal, and the association was growing right along, both in membership and influence. The Toronto branch were in a great measure the creators of that admirable institution, the