

258; admitted by initiation and new branches, 58. During the year twenty-two members were suspended—many of whom will return—leaving our present membership 294. If every member would press the work he could secure many applications.

Clause 6.—The receipts and expenditure for the year are as follows: Receipts from all sources during the year, \$190.50; expenditure during the year, \$68.10; leaving a balance of \$122.40. This, you will see, will need to be carefully dealt with to leave the executive some funds to start the year's work with.

On motion of G. C. Mooring, seconded by W. F. Crockett, these reports were given a special committee for distribution to the various standing committees.

The following standing committees were appointed: Mileage—N. Beam, W. Steeper.

Ways and Means—R. J. Pettigrew, E. Grandbois, W. Outhwaite, W. A. Sweet, W. McGhie.

Good of the Order—G. C. Mooring, W. F. Crockett, A. M. Wickens, J. M. Dixon, W. Steeper.

Auditors—W. A. Sweet, J. Ogle.

The following notices of motion were given:

G. C. Mooring: "That the word steam be substituted

the Hamilton Cataract Light, Power and Traction Co., Limited, where W. A. Sweet escorted them through.

The International Harvester Co.'s works were also visited, where, in the absence of George L. Rice, Messrs. James A. Publow and W. R. Dunn took the party in charge.

A special car was placed at the disposal of the Association by the Hamilton Street Railway Co. during the afternoon and evening, a courtesy which was greatly appreciated.

In the evening, the visitors and their friends were entertained at Cotter's Hotel, on Hamilton Mountain, by the local Association, and an excellent programme was carried out and refreshments supplied.

Robert Baker, engineer, of 101 Wilson St., Hamilton, read a paper describing his Patent Perfect Combustion Automatic Machine. There have been many devices patented and placed upon the market, says Mr. Baker, but not one of them will separate the impurities from the pure gases, and none will work without artificial draught.

The appliance described works automatically, and is fed from the rear end of the boiler. The coal is conveyed forward into the generator thence to the cooking chamber,



President, F. J. Sculthorpe.



Vice-President, W. A. Sweet.



Secretary, W. Inglis.

for the word stationary, making the name of the Association in future, The Canadian Association of Steam Engineers."

J. M. Dixon: "That the preamble of the Constitution be amended, to read in a manner which would appeal more strongly to the mind of the enquiring workman."

The special committee on distribution reported as follows: "That the secretary's report had been dealt with as follows: Clauses 1, 2, 4, 5, and 6, were referred to the Committee on the Good of the Order, and clause 3 to the Committee on Ways and Means. The special committee was then discharged.

After introducing to the Association the delegate from Chatham, the meeting adjourned until 2.30 p.m.

At the afternoon session, the Committee on Ways and Means report on the president's address was received, and productive of much discussion, but it was finally adopted as read.

The report of the auditors was also received and adopted.

The Mileage Committee presented their statement and same was accepted.

F. B. Uttley, of the Goldie & McCulloch Co., Limited, was invited to address the convention, and in a happy manner he illustrated the difference between the old-time engineer and the present product now supplied to the manufacturers in Canada, through the instrumentality of such organizations as the C.A.S.E. He offered, on behalf of his firm, hearty co-operation in their efforts to educate and raise the standard of the Association's membership by supplying them with information through correspondence or by a visit to their works in Galt, Ont.

The Association thanked Mr. Uttley for his promise, and adjourned to visit the sub-station on Victoria Ave., of

which is formed into the bridge wall, where the coking takes place, and the gases and smoke are given off and conveyed rearwards by means of a fan. In their travel rearward, the impurities are deposited into receivers in liquid form. This property is a by-product, such as is given off in gas factories. The pure gases are conveyed forward at one-half pound pressure and fed into the bed of burning coke, and at the same time fresh air is being supplied to the fire through arches provided for that purpose through the bridge wall and under the grates, which allows the chimney to perform its proper functions. The arches through bridge wall for supplying air extend to the rear end of the boiler.

The object of the invention is, first, to provide an apparatus adapted to extract and burn gas and smoke from soft coal; second, to provide means whereby gas and smoke from soft coal may be utilized and generated into heat for heating purposes; and third, to afford facilities whereby the apparatus may be adapted to perform its functions in connection with boilers, furnaces, stoves, and other heat generating apparatus. A blue print showed the mechanism used.

Amongst those taking part in the musical programme were Pipers Munro, Ross and McGregor. Songs were rendered by Messrs. J. M. Dixon, W. A. Sweet, J. T. Webster, H. E. Terry, and speeches by friends of the Association and other visitors.

At 9.45 a.m., August 17th, the meeting was called to order by the president, and a telegram was received from the International Union of Steam Engineers, 152, conveying greetings, and asking the co-operation of the Association in procuring a compulsory license law at the next session of the Ontario Legislature. The convention unanimously pledged their support, and sent a reply to the secretary of the union to that effect.