

of the Clappison Pipe and Boiler Covering Co. Mr. McKeown said the manufacturers of Hamilton had confidence in this association, knowing that if they employed a member, they were sure to have an efficient engineer, and generally a trustworthy man. The manufacturers recognize that in this way the association has been a great benefit to themselves. Mr. Clappison expressed the pleasure it gave him to reply to this toast. Being a manufacturer himself, he was proud to realize the truth of the statement already made that Hamilton now took a leading part in the industrial development of this country. The quality of Hamilton's special manufactures was constantly rising in the estimation of the people. He was glad that the delegates were going away pleased with their reception, and he hoped when the next convention was held here, that they would come in three times their present numbers. The toast of "Educational Interests" was coupled with the name of W. H. Ballard, public school inspector; J. M. Williams and Percy Domville. Mr. Ballard said if citizens of Hamilton were proud of their advance in educational matters, they owed it to themselves. The school attendance in the city had increased 70 per cent. in the last 13 years, and the general work of the schools had doubled in the last 10 years. Over \$250,000 was now invested in school property. Mr. Williams referred to the pleasure he took in being with the association, as while he may have taught them some things he had also learned from them. Mr. Domville, in his speech, advised steam engineers to learn something about electricity, which was creeping into so many lines of manufacture. In a few days they would have the electric current, generated 30 miles away, turning wheels in Hamilton. Some went so far as to say that electricity would do away with steam altogether, but he did not think this would come to pass, as there were plants that could be run more cheaply by steam even when the electric current was brought into Hamilton. "The Executive Head" was responded to by past-president E. J. Philip, who was glad to say that the Executive was in better shape this year than for some years past, and he hoped it would be in still better shape next year. He was always glad to come to Hamilton, for he thought very highly of the city and its citizens. President W. F. Chapman followed, expressing his pleasure at meeting the people and the engineers of Hamilton, who should be proud of their beautiful city. As president of the association, he hoped to follow in the footsteps of their popular past-president. Secretary J. G. Robertson and treasurer G. C. Mooring also replied, complimenting the Hamilton branch on the good work it had done. Telegrams were read from Albert E. Edkins, of Toronto, and John J. York, of Montreal, both past presidents, conveying their felicitations to the assembled guests. "Sister Associations" was responded to by J. M. Wickens, representing the Ontario Association of Stationary Engineers. He referred to the new Cataract Power Co.'s works, and pointed out that through the work of the C.A.S.E., there were plants in this city that had got the cost of steam down to such a point that the new electric power company could not displace it. Another thing the C.A.S.E. had accomplished was the institution of technical branches in the high schools of Ontario; while the establishment of the Toronto Technical School, which had shown such excellent results, was also due to it. "The Press" was replied to by E. B. Biggar, of THE CANADIAN ENGINEER, and by Messrs. Reid and Kirkpatrick, of the Spectator and Times. "The Ladies" were championed by Thomas Ryan, Montreal, J. M. Dixon, Toronto, and P. McNaughton, Montreal, and while all three spoke extremely well, it was admitted that Mr. Dixon's was the speech of the evening, and he came off with honors, both as an orator and entertainer. "The Host and Hostess" concluded the toast list, and the company broke up about 2 a.m. The musical part of the programme was well rendered by James Jardine, Geo. Allan, E. T. Martin, W. W. Barlow, J. Grant, and J. M. Dixon, R. Arthur being accompanist.

W. F. Chapman, president of the Canadian Association of Stationary Engineers, was born at Gananoque, Ont., and was in business for some time with his father, John Chapman, who operated a cheese and cheese box factory there. He picked up a knowledge of engineering in his father's factory, and having studied electricity, gained enough knowledge of that business to instal the electric plant for Cooke Bros. at Lachute. After running this plant for some time he installed a plant at the

Taylor & Walton Carriage Co.'s Works, this company being also owners of the Gananoque Electric Light and Water Supply Company. He then went to Brockville, and was appointed



W. F. CHAPMAN, PRESIDENT, C. A. S. E.

engineer of the Canada Carriage Company, which position he has filled till the present time. That Mr. Chapman has the esteem and respect of his fellow engineers is evident by his appointment to the highest honor in the association.



R. C. PETTIGREW, VICE-PRESIDENT, C. A. S. E.

A biographical sketch of Robert C. Pettigrew, who has been elected vice-president of the C. A. S. E., has already appeared in The Canadian Engineer. Mr. Pettigrew, who is in business as a coal merchant in Hamilton, has not only been a generous helper in all that concerns the progress of the C. A. S. E., but has for many years taken a lively interest in the municipal affairs of Hamilton. He was for three years on the School Board, and is now an alderman, representing Ward No. 7, having been returned at the top of the poll.



G. C. MOORING, EXECUTIVE TREASURER, C. A. S. E.

G. C. Mooring, executive treasurer of the C. A. S. E., was born at Evenly, Northampton, England, and came to Canada in 1874, when he obtained employment with Thompson & Williams, of Stratford, as machinist. Having learned the business there, he came to Toronto in 1878 working successively at the