

his work, who will enjoy his work, who will grow to larger usefulness to the community and who will reach the top of the ladder in engineering.

The "Corporation of Toronto" was responded to by Controller Harrison and Ald. Saunderson.

Controller Harrison, after a glowing tribute to Toronto as a residential, industrial and educational centre, reminded the C.A.S.E. that this body had been the first to advocate the establishment of a Technical High School and mentioned that there would probably be an opportunity to vote in January as to whether it was desired to go back to the old plan of having a separate Board to look after that school, so that technical bodies like the C.A.S.E. could have representation on it.

Then Jack Armer, the versatile entertainer of "Power," kept the gathering in a gale of laughter for nearly half an hour.

Ald. Saunderson emphasized the fact that Toronto was an ideal manufacturing city. It was inevitable that it should become in a few years a great industrial centre. As the city's industries grew so would increase the need of capable, well-informed, broad-gauged engineers. The men who would get promotion were those who carried out the ideal of the C.A.S.E. by constant study and steady effort to increase their knowledge of power problems and needs.

"Our Technical Institutions" found able advocates in Principal Elden and Professor Kirkland, of the Toronto Technical School.

Principal Elden made a strong plea for the extension of the building, the accommodation and the scope of work done by the Technical School. The school now has 678 students in the daytime and 1,300 in the evening. If the money for extensions were forthcoming the work of the school could be trebled in magnitude and in effectiveness in each particular branch of its teaching. Shops for practical work such as wood-working shops, iron-working shops, etc. Several applications had been received for a course in steam engineering and if this number was increased sufficiently such a course would be started at once.

Prof. Kirkland congratulated the banquet committee on the excellent banquet, unquestionably the best ever. He referred to the class in steam engineering which had been under his charge as one of the most satisfactory he had ever been associated with. The Technical School needs such equipment as engines, modern and obsolete, pumps, and many other power equipments, so that technical information might be made clearer and more practical to students. He had come to the conviction that no technical school could produce mechanics, but it should broaden and deepen the knowledge of mechanical principles and technical theories.

"Manufacturing Industries" was responded to by Mr. John J. Main, of the Polson Iron Works, Toronto.

Mr. Main referred to the first banquet of the Association in the Old Mansion House twenty-one years ago and could not help complimenting the organization on the great progress made.

He drew attention to the fact that the Canadian Manufacturers' Association had through a strong committee prepared standard boiler specifications and were now prepared to move for legislation in the

various provinces asking that a uniform standard be adopted throughout the Dominion. This would be in the interests of all concerned, engineers and manufacturers. Mr. Main added his tribute to the need of technical education, the value of the work done by the Technical School and his desire for further extensions of that work.

The "Executive Council" was responded to by President Chas. Kelley and Secretary W. H. Crockett. President Kelley who made a glowing address suggesting to members of Toronto No. 1 that each member should endeavor to constantly educate himself and increase his knowledge of engineering. He had spent 26 years in the engine room yet he found it necessary to study continually. Manufacturers of power equipment are constantly devising new equipment and if the engineers do not study constantly they will soon be out of date.

Secretary Crockett opened with a practical suggestion. The Canadian Manufacturers' Association had at their Montreal meeting made a grant of \$5,000 toward a study of the problem of technical education and had appointed a strong committee to look into the matter. He suggested that the C.A.S.E. might put before the committee referred to above the proposition that if the Canadian Manufacturers' Association and the Government would give grants to supply working models of power equipment the C.A.S.E. would look after the work of having these models taken from centre to centre and fully explained to engineers throughout the country.

Mr. Crockett, as Secretary of the National Executive, made the pleasing announcement that four new lodges were seeking charters. This was conclusive proof of the growth of sentiment favorable to the C.A.S.E. throughout the country. He concluded with an enthusiastic reference to the educational purposes of the association.

Bro. W. Norris, of London, responded to the toast "Sister Societies," by an earnest appeal that when the Toronto and other lodges in large centres were considering the need of greater technical education they should remember the needs of the smaller centres, even to the man running a plant in the outlying districts. There should be made, he emphasized, an effort to let each lodge benefit from new ideas and increased knowledge imparted to members of other lodges.

God save the King.

Manufacturers' Catalogues

QUIRIDE GEARS—That an unnecessarily noisy factory reduces the efficiency of employees, is the claim made by the Pichrome Hide Co., in a booklet just issued on Quiride gears. Quiride is a remarkably tough, dense, insoluble substance produced by subjecting hides to a patented chemical treatment which changes the albuminoids to fibroids. Quiride is, therefore, peculiarly adapted to use in gears whenever the elimination of noise is desirable, and has proved successful in many places where, on account of the presence of oil, grease, naphtha, or other solvents, rawhide or fibre could not be used. Quiride gear blanks in sizes up to thirty inches are furnished to many manufacturers, who

cut and mount their own gears. Other uses of Quiride are almost unlimited, as by slight modification of the process any degree of hardness or flexibility can be produced. Its use for car seat covering is illustrated in another booklet recently issued.

Either of these booklets will be sent on request to John Millen & Son, Limited, Montreal, who are the Canadian distributors.

Officers of C.A.S.E.—1908-09

President—Chas. Kelley, Chatham.
Vice-President—W. McGhie, Toronto.
Secretary—W. A. Crockett, Mt. Hamilton.
Treasurer—A. M. Wickens, Toronto.
Conductor—J. J. Heeg, Guelph.
Doorkeeper—W. Norris, London.

SECRETARIES OF LODGES.

W. B. Archer, 213 Pape Ave., Toronto.
C. A. Leckie, 58 Ashley St., Hamilton.
J. Ogle, 73 Richmond St., Brantford.
F. J. Merrell, 38 Fourth Ave., Hintonburg.
J. J. Heeg, Box 825, Guelph.
C. Emmeritz, 186 Victoria St., Berlin.
Chas. W. Dobbin, Waterloo.
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Wm. Johnston, National Table Co., Owen Sound.
E. W. Geiger, Preston.
P. J. Milne, 164 Bagot St., Kingston.
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E. Preston, Petrolia.
W. Norris, 47 Bipam Ave., London.
A. Scrimgeour, 362 Brunswick St., Stratford.
S. D. Spire, Box 523, St. Thomas.
John A. Baldwin, Midland.

THE C.A.S.E. PREAMBLE.

"This Association shall at no time be used for the furtherance of strikes or in any way interfere between its members and their employers in regard to wages. It shall recognize the identity of interests between employer and employees and shall not countenance any project or enterprise that will interfere with perfect harmony between them. Neither shall it be used for political or religious purposes: Its meetings shall be devoted to the promotion of educational, professional and mechanical knowledge."

TO SELL OR NOT TO SELL.

(Hamlet's Soliloquy in its commercial application.)

To sell or not to sell?

That is the question.

Whether 'tis better to send the goods
And take the risk of doubtful payment.
Or to make sure of what is in possession,
And declining, hold them.

To sell, to ship, perchance to lose—
Aye, there's the rub!

For when the goods are gone
What charm can win them back
From slippery debtors?

Will bills be paid when due?

Or will the time stretch out till crack of doom?

What of assignments, what of relatives,
What of uncles, aunts and mothers-in-law,
With claims for borrowed money?

What of exemptions, bills of sale, and the compromise

That coolly offers a shilling a pound?

And no lawyer's fees.