

MEMBERS PRESENT.

Acton Burrows.	H. W. Cook.	H. E. Rowell.
O. A. Cole.	W. R. McRae.	I. Jefferis.
J. J. Fletcher.	Geo. Shand.	W. E. Archer.
J. H. Cook.	W. Price.	J. M. Clements.
J. H. Morrison.	H. G. Fletcher.	A. Hallamore.
T. A. Sperry.	J. F. Campbell.	H. H. Wilson.
J. Duguid.	J. W. McLintock.	W. H. Bowie.
Geo. Mott.	K. D. Clark.	A. G. McLellan.
A. J. Lewkowiez.	C. M. Murray.	H. Cowan.
Geo. F. Lilley.	Geo. Black.	A. M. Wickens.
D. C. Hollowell.	F. Tushingham.	J. Mooney.
John W. Griffin.	J. C. Garden.	J. D. Scott.
J. R. Armer.	S. W. Price.	Albert Attle.
Geo. McIntosh.	A. Taylor.	I. O. Frost.
J. McWater.	D. Campbell.	R. Pearson.
T. J. Ward.	James Reid.	J. J. Millen.
S. Turner.	P. Boylan.	C. L. Worth.
C. A. Jefferis.		

Chairman,—

We have with us to-night Professor Bain, of the Toronto University and a member of the Faculty of Applied Arts, who has consented to give us an address on "Oils and Lubricating." I have much pleasure in asking Prof. Bain to come forward and take the floor.

OILS AND LUBRICATING.

BY PROFESSOR BAIN, OF THE UNIVERSITY OF TORONTO.

Gentlemen: It is with some misgivings that I have undertaken to-night to speak to a Club of Engineers on one of the subjects on which they are deeply interested, viz., oils and lubricants, because in the first place, I feel that you are dealing with this subject more often than I am. You probably have to do with the subject many times in the week from a practical point of view, whereas it is not often my lot to take it up more than once or twice a month. By congregating together like this we get the benefit of interchanging our ideas with one another, and very frequently our best inspirations come in this way, and it is sustained by this feeling that I have undertaken to speak to you on this somewhat difficult subject.

I have a very good friend in Toronto who is an Engineer, and occasionally I have a chat with him about various matters, because my work is not directly on engineering, and I therefore speak more as a chemist. He has asked me several times, and I have discussed with him on various occasions, the question of the valuation of lubricating materials. I dare say that his ideas are much the same as most of those here to-night. The problems that bother him are much like these. He says: