

In concluding this paper, the author cannot but help feeling that he is, as it were, dipping just on the surface of a vast subject, and that the more one finds out, the larger the unknown fields beyond appear.

In any efforts that have been made, the frequent manual aid and more frequent sound practical advice Mr. J. G. Kerry have been of much service, and here is the place to acknowledge it.

The endeavour has been to find out anything of practical use to the Engineering profession; and if any points raised here will fulfill this desire, the object of this paper will be, in the main, accomplished.

In conclusion the author cannot but acknowledge the opportunity given by the Engineering Equipment of McGill University. In carrying out the various tests recorded, every facility has been offered not only for student instruction but for private research, and whenever anything is needed that is not possessed, Professor Bovey, the Dean of Engineering, is always ready to have the want filled, if possible. In this way many things not feasible in ordinary cases are practicable, and it is hoped that, in due time, other results of value to the profession may be determined and presented to the Society.