

Mr. A. M. Wickens,—

There is one thing about distributing oil for a journal. There is no journal which will spread oil itself unless you help it. What you should do in all these cases is to put proper oil grooves in your journal and by that means they will spread the oil over all the box and it will touch every portion of your shaft, but the groove must be put in properly. In order to place your grooves right you must have an idea of the direction of the flow of the oil and the direction in which the shaft is revolving. Where the oil grooves are placed properly, there is no difficulty in lubricating the journal.

Chairman,—

In taking care of the lubrication of a horizontal journal, there is a little difference from the lubrication of an end thrust.

Mr. H. H. Wilson,—

I think Mr. Wickens' remarks are good. If we can inject the oil by means of channels through the thrust block casting to the point near the center shaft before it comes in contact with the bearing surfaces the same way as we oil crank pins of reciprocating engines, the oil then would be wiped out by the bearing surfaces themselves or due to centrifugal force.

Chairman,—

Gentlemen, the time for discussion has now expired. The Club to-night has listened to one of the most interesting discussions given since its inauguration, and for presenting such an interesting paper we have to thank Prof. Bain. Therefore, it will be in order for some one to move a vote of thanks to Prof. Bain.

Mr. Acton Burrows,—

I think it is very kind of the Professors of the University to give us so much of their valuable time in coming here to address us as Prof. Bain has done to-night, and I beg to move a vote of thanks to him for the very interesting lecture he has given us.

Seconded by Mr. Fletcher.

Chairman,—

On behalf of the Club, I have to extend to you, Prof. Bain, this vote of thanks.

Professor Bain,—

Mr. President and gentlemen, I thank you very much for the vote of thanks. As I said before, I came here to-night with a great deal of diffidence to speak to you about a subject which is rather difficult. If I have made myself plain I shall be satisfied.