

"A" A shoe made to the foregoing specification.

"B" A shoe that has been extensively used, and so far has been recognized as standard.

"C" A soft gray iron.

Mr. Robt. Patterson,—

I was going to wait a while. My reason for waiting is that we have quite a number of gentlemen with us to-night who have had a large experience with these brake shoes and are better acquainted with the troubles met with in their use. I think it would be better for other members of the club and myself that others should speak first. I refer particularly now to some of our road foremen on both railroads. I think it would be advisable to hear from them first as they are having a great deal to do with that subject at present and have for sometime, and they will no doubt give us a good deal more on the subject to talk upon; therefore, I would prefer to say what I have to give later on.

Mr. Mooney,—

Chairman and gentlemen: My experience with the brake shoes for the heavy power is that the cast iron shoe wears out too quickly and with very little wear it breaks. With regard to the shoes that are inserted with steel we find that if they are not properly fitted to the head we have just the same trouble, only they will break probably with the first application. However, if they are properly fitted, they will last a long time. I cannot agree with Mr. Adams that we get the results claimed for by his paper.

Chairman,—

What have you to say regarding extra wheel tread wear by the use of insert shoe as compared with grey iron shoe?

Mr. Mooney,—

We have not had them long enough to tell. We have not had sufficient of them to watch them closely.

Chairman,—

Are these inserts you are using hard steel or soft steel or iron?

Mr. Mooney,—

Hard steel insert, I understand.

Chairman,—

I should like to hear from Mr. Grace, whom I believe is present with us to-night.

Mr. Grace,—

As my experience has been so limited in this matter, I would much prefer not to say anything on the subject. I am sure there are other gentlemen present who could give us a lot of information of interest, therefore, I shall be a good listener.

Mr. MacNicol,—