

to moisture, which caused corrosion, I may say that at the Canada Foundry we have upwards of a hundred pneumatic tools in operation, some of them working at a great distance away from the compressor, and we found (especially in winter time) great difficulty in overcoming the moisture which had accumulated, so, a kind of super-heater was installed consisting of several coils of the air delivery pipes being encased in an improvised furnace, heated by cord wood, and which successfully remedied the difficulty. Mr. Geldart has placed the subject of pneumatic hammers and drills so exhaustively and in such an able manner before us, that I find I am unable to enlarge upon it, and think the same as the rest of the members present, that Mr. Geldart, together with Mr. Paterson and his draughtsman deserve the warmest thanks of this Club; and in conclusion I am of the opinion that boiler making has received more benefit than any other trade from the introduction of air tools and, Mr. Chairman, I thank you for calling upon me.

Mr. Wickens,—

It is getting pretty late and therefore I will not say much. I have not had much experience in the use of these tools, but for a number of years it has been in my province to inspect boilers, the work on which has been done largely by pneumatic tools. The present day rush causes men who are using the tools to slip over their work, and we often find work on the boilers which would not have occurred in the olden days when they did not rush the men so fast. There is no question about the usefulness of pneumatic tools and their saving, especially on boiler work, yet there is sometimes a little trouble when the Inspector comes to look over the job. But you can only blame it to the shop rush. When a man, who is using a pneumatic tool, is compelled to rush his work, he is very apt to not make as good a job as though he were not rushed. This is a point which strikes the inspector most particularly.

Mr. MacNicol,—

If our chairman will permit, I would like to have Mr. Wickens explain to us where the principal difficulties occur in pneumatic tool work on boilers.

Mr. Wickens,—

I did not expect to get drawn into this matter this way. I did not purpose to say that the pneumatic hammer should not be used. I believe that they are a means of doing exceedingly good work. I believe that if they were properly used we would always get good work. I will give you one or two instances which I came across not long ago. I inspected a