

Club, we are likely to have him amongst us very frequently, therefore, if there are any questions which you would like to ask Mr. Grocock at a later date, I have no doubt he will be pleased to answer them.

Before calling on anyone in particular is there anyone who would like to ask Mr. Grocock any questions?

I might state, gentlemen, that Mr. Grocock has no axe to grind, he is not now in the foundry business, and I think it is very creditable of him, as he has only been a member of this Club a matter of three months, to devote his time to giving us this paper.

As no one seems disposed to say anything, I will ask Mr. Clarke to make some comment.

Mr. Clarke,—

I would like to ask Mr. Grocock how long this system has been in use as near as he can tell?

Mr. Grocock,—

Since between 1901 and 1904. I used it at Garston and previously at Rangoon. I first used it in 1897.

Mr. Clarke,—

It seems to me that I saw steam used in a cupola thirty years ago. The J. F. Roberts Co., Swan Village, England, followed this plan but I do not think they have been following it up.

Mr. Grocock,—

Mr. Doherty, I understand, has taken out patents all over the world for this process. He has had a good deal of litigation in defending his patents, especially in the United States, but, I understand he has always been successful.

Mr. Clarke,—

But this process has been in use for thirty years.

Mr. Grocock,—

I have no doubt that this is an old process, but it has apparently not been followed up.

Mr. Clarke,—

I understood you to say that it was cheaper on account of being able to use small scrap?