

handling of red hot material, such as red hot clinkers from cement furnaces, where you cannot cool it off.

Mr. Archer,—

The handling of hot clinkers requires very careful consideration. Usually the hot clinkers of cement plants are handled by what is known as the pivoted bucket conveyor, which consists of buckets hung centrally on two strands of chains the material being discharged into the buckets holding possibly half a cubic foot. This has been the most successful method of handling hot clinkers in cement factories

Mr. Jefferis,—

Replying to Mr. Lewkowitz's remarks as to the saving made by conveyors. I may say that there is one point against the contractor or conveyor manufacturer, that is, in the majority of cases he does not have continuous work for his conveyors, that is, the conveyors cannot be worked to their utmost capacity continuously, therefore you do not get the greatest benefit that could be derived from their continuous operation.

I know of one firm which during twelve months of operation of conveyors have been able to save by the conveyors over the old method of handling by cars and ordinary labor, \$40,000, so that when the question comes up, "Do conveyors pay?" the answer is, "They do if properly managed."

Any man who goes into a large institution where conveyors are in operation and thinks for a moment what it would mean if the material had to be handled by the old style methods and the length of time it would take to do it, he would not need to have an expert tell him whether conveyors save money for the company or not.

Mr. McRobert,—

In short distances do the conveyors work, say the distance is about 10 or 20 feet?

Mr. Jefferis,—

The conveyor is made to operate at any distance, but for the short distance you mention if you can get elevation it would be better to put in a chute.

Mr. Archer,—

For the short distance mentioned where there is sufficient elevation a chute is the most desirable. The law of gravity is the best conveyor we have, but if you cannot get elevation it is best to put in a small elevator and discharge it over the head pulley or sprocket.