

about one inch across the flights. (Mr. Archer gave a sketch of this conveyor on the blackboard.)

Mr. Lewkowicz,—

The only way we found that we could handle coke on steep inclines satisfactorily was by continuous bucket conveyors. We have to handle them at about 50 degrees. I should like to know if there is any means of raising coke in a belt conveyor above 15 degrees?

Mr. Archer,—

The only method by which you can handle coke with a belt on an incline is to put straps across the belt, or beads, as I said before where the angle of inclination is such as to cause the coke to give trouble.

Mr. Jefferis,—

I would like to say for the benefit of the members, and also Mr. Archer, that the handling of coke by machinery is one of the most difficult propositions that I know of, and after battling with this problem for about eight years, with the very able assistance of Mr. Lewkowicz, I think we have hit on a coke conveyor that is second to none. I have visited the largest plants in the United States that do a similar class of work and I have never seen anything to touch it.

We quench the coke while it is travelling in the hot coke conveyor. We then crush it and convey it to storage bins. The conveyor we have necessitates the use of fans, etc., on account of the steam rising from the quenching of the coke. I think Mr. Lewkowicz has got as near perfection in the matter of handling hot coke as anything on the market.

Mr. Lewkowicz,—

If I can be of any assistance to Mr. Archer I should like to make a sketch on the blackboard, and describe the hot coke conveyor that we have in use. (Mr. Lewkowicz made a sketch on the blackboard, and described the hot coke conveyor.)

Mr. Lewkowicz,—

I should like to know what is the cost of handling material per ton, per mile, or 1,000 feet getting it down to some unit, also the cost of maintenance per ton, per mile or 1,000 feet so that we can find out from these figures whether we are working in the right direction to eliminate the troubles of the people to whom we furnish conveyors. If there is anybody here who can give me a little enlightenment along these lines, I