

Spinning

One plant has installed ventilation for their ring spinning frames which management believes has reduced dust in this operation. It consists in a series of exhaust openings under the frame, near the floor, running the length of each frame. Time did not permit demonstrating to our own satisfaction whether a measurable improvement had been effected or not. This should be done by a series of dust measurements with exhaust on and off. The volume of air exhaust is insufficient to effect a true local exhaust action, and if it is effective it must, therefore, be an effect of simple dilution.

Twisting

Interest in control of dust from twistors is widespread in the industry and Plants A and B have installed an exhaust system like the one described for the spinning frames in Plant A. Here again the operators believe a marked improvement has resulted. Dust count data is needed that will measure the degree of improvement.

Winders

Cop winders have been exhausted in Plants A and B with reports of beneficial reduction in dustiness. We do not have quantitative data on this point. The exhaust arrangement for Foster winders was developed many years ago and is well known. The tendency to elimination of this machine makes the problem one of little practical interest now.

In most plants, dust from other equipment, such as spinning and twisting which are commonly in the same room, is of greater importance than that from winding operations.