Memorandum on General Asbestos and Rubber Plant of Raytheon-Manhattan, Inc., Supplementing the General Report "Preliminary Dust Investigation for Asbestos Textile Institute" of June, 1947.

Dust Control Practices

It is suspected that the unique fiber treatment in the preparation process may do much to reduce dustiness in subsequent textile operations. The tests described under "Inherent Dustiness of Stock" (page 26, general report) would illuminate this point when fully developed.

Carding

In the tabulation of card exhaust rates (page 5, general report) this plant has, we believe, somewhat better control than Plant A requiring about 50 per cent greater air flow per machine.

All of the eight good features listed on page 9 were observed on these cards.

We are of the opinion that the 2 inch ducts arranged to exhaust the space between ring doffers and main cylinder is not fully effective due to rapid plugging, but are convinced that the objective is worthwhile. The plugging is caused by ineffective distribution of planned air flow which, in turn, is the result of gross differences in friction loss between the small diameter and larger diameter branches (referred to under "Duct Work," top page 12).

Twisting

There is some indication from dust count data of value in the existing exhaust system but the data are fragmentary and inconclusive. We would like to see several "on and off" tests made alternately on same day for confirmation.

JHM33023