

COPY

INDUSTRIAL HYGIENE FOUNDATION OF AMERICA, INC.

4400 FIFTH AVENUE

PITTSBURGH 13, PA

July 11, 1947

Memorandum to U.S. Detectives (Memphis) Plant of

Hybestos-Textile, Inc.

Supplementing the

General report

"Preliminary Inst Investigation for Hybestos Textile Institute"

Of June, 1947



Further

This plant is designated A in the General report. The range of concentration listed in Column A, Table 1, was fixed by an examination of the dust count data of recent years in company files with a little weight given to our own taken at the time of our visit. Dust count data for the preparation department were not adequate for estimating average exposures.

Dust control in carding is equalled by several plants, but is better, we believe, in the Charleston plant of this company.

Dustiness in rearing is believed to be the lowest in the industry.

Our own dust counts made on March 19 are as follows:

Ref 33
1-7
Brown 11

Memorandum on U.S. Asbestos (Winnheim) Plant of Textile-Processing Inc., Supplementing the General Report "Preliminary Dust Investigation for Asbestos Textile Institute," of June, 1927.

Number	Elapsed Time	Location	Dust (grains)
1	10 Mins.	General air in finisher card room at take-off end of machines 7, 8, 11, 12.	2.4
2	6 Mins.	Similar to No. 1, but at machines 6 and 11.	2.9
3	10 Mins.	General air, taken while walking up and down aisles of <u>spinning frames</u> .	2.0
4	12 Mins.	General air, taken while walking up and down aisles of <u>twisting machines</u> .	5.8
5	10 Mins.	At operator of loom No. 10, a machine most distant from twisters.	1.1

Dust Control Practices

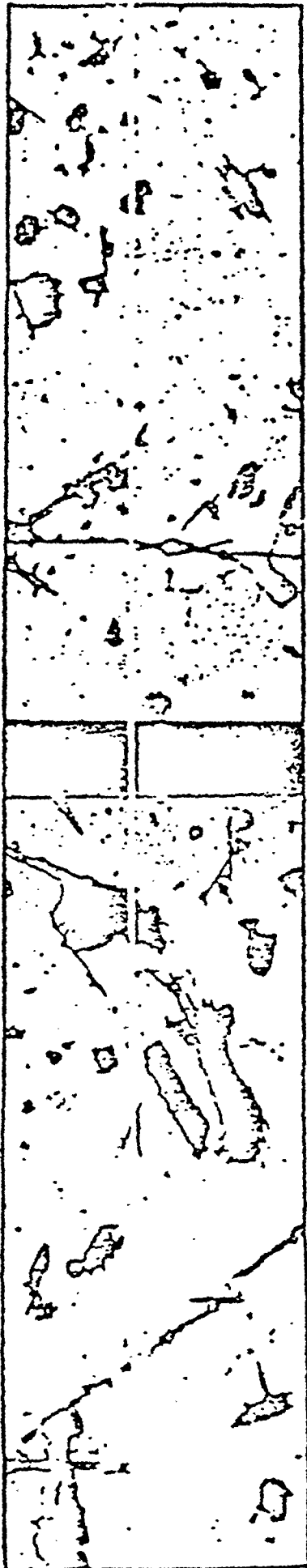
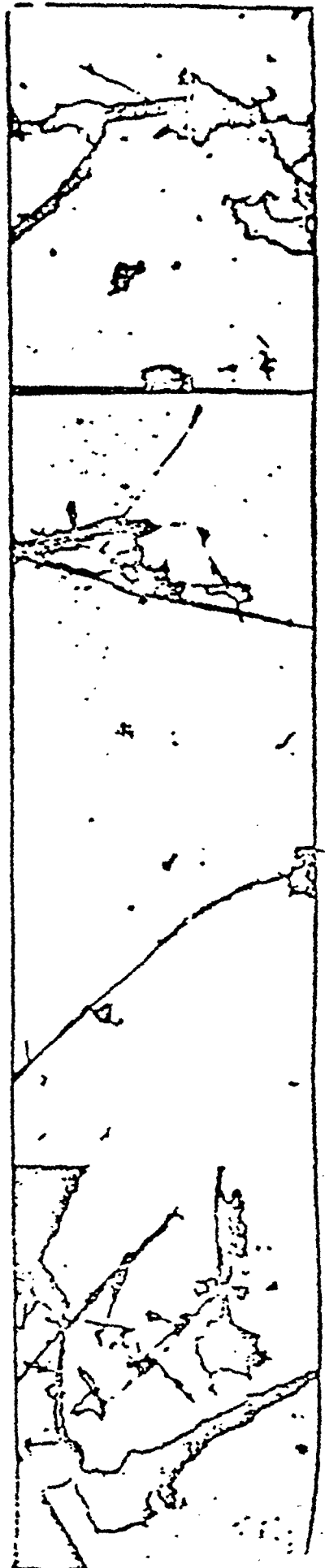
In the tabulation concerning carding machine exhaust systems this plant is shown to affect good results with the lowest rate of exhaust of any plant. However, dustiness in plant B is materially lower with only about 10 per cent greater air flow (the extra capacity distributed to auxiliary branches).

Medical

This plant has been included among those having had a recent x-ray survey, even though not especially systematic with respect to time because of the policy of voluntary examinations.

The incidence of asbestosis indicated by company records are equalled by one other plant, but in the case of the latter there is ground for doubt as to the accuracy of the diagnosis, according to the present Medical Director.

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ELECTRON PHOTOMICROGRAPHS OF AIR-BORNE ASBESTOS DUST - MAGNIFICATION 5500 X

THIS CIRCLE 1 MICRON DIAMETER - 