PLAINTIFF'S
EXHIBIT
BRK-47

December 4, 1945

In Re: O. D. 4011-22
Joseph Nemeth

Medical Department
The Industrial Commission of Ohio
Columbus 15, Ohio

Gentlemen:

In reading over the claim of the above-named claimant, who worked at The National Tube Company, Lorain, Ohio, as a laborer and brick layer for a total of 39 years, we believe that the following information will suffice in this case.

Our records show that persons who are engaged in the work of tearing out old linings of open hearth furnaces are subjected to concentrations of dust varying from 7.6 M to 17.4 M, and that this dust contains approximately 30 per cent free silica. The writer has obtained these dust concentrations on various tearing-down operations and has determined the percentage of free silica by petrographic analysis. Where men are engaged in the laying of silica brick in open hearth furnaces they are subjected to a dust concentration varying from 2.0 M to 15.2 M, and this type of dust contains approximately 70 per cent free silica.

Since this claimant was engaged in the above operations for 39 years his exposure to high concentrations of free silica should be without question.

The claimant, while working in mineral wool dust, would not be exposed to free silica. There is no free silica in this type of material although it is highly irritating to the nose and throat.

Very truly yours,

Don Hanna

DON HANNA.
SAFETY ADVISOR

DH:mh

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Medical Department
The Industrial Commission of Ohio
Columbus 15, Ohio

Gentlemen:

In reading over the claim of the above-named claimant, who worked at The National Tube Company, Lorain, Ohio, as a laborer and brick layer for a total of 39 years, we believe that the following information will suffice in this case.

Our records show that persons who are engaged in the work of tearing out old linings of open hearth furnaces are subjected to concentrations of dust varying from 7.6 M to 17.4 M, and that this dust contains approximately 50 per cent free silica. The writer has obtained these dust concentrations on various tearing-down operations and has determined the percentage of free silica by petrographic analysis. Where men are engaged in the laying of silica brick in open hearth furnaces they are subjected to a dust concentration varying from 2.0 M to 15.2 M, and this type of dust contains approximately 70 per cent free silica.

Since this claimant was engaged in the above operations for 39 years his exposure to high concentrations of free silica should be without question.

The claimant, while working in mineral wool dust, would not be exposed to free silica. There is no free silica in this type of material although it is highly irritating to the nose and throat.

Very truly yours,

DON HANNA
SAFETY ADVISOR

DH:mh

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