On a proposed new cleaning room for Chicago Heights that was recently laid out, we obtained figures on 30 small units as against 4 large ones and found to our surprise that the cost was very close to the same either way. With the individual units, the fan can be interlocked with the grinding wheel so that it runs only when needed, and I would guess that the air exhausted would be reduced around 25 per cent to 35 per cent. Bear in mind that when I say small units, I mean units of about 5,000 cubic feet per minute each. Obviously with low air requirements, as in the case of stand grinder, it would not be economical to install an individual exhaust unit for each machine.

That is about all I have to say on the dust question. I would like, however, to show you a before and after picture showing what can be done with illumination.

DISCUSSION

Slides were shown to illustrate the various items mentioned in the paper.

The discussion dwelt chiefly with the following: recirculation of air, exhausted burning tables, stiff shaft grinder exhaust, Hydro-Blast method of cleaning, mechanical shakeouts, and Ruemelin exhaust units.

Mr. Gresh mentioned that the New Jersey Silicosis Code requires that the employer post a notice in his plant that silica is present. Employees must use protective equipment provided for them.