

GRUEBY FAIENCE COMPANY
MAKERS OF ENAMELED TERRA
COTTA, TILES, GRUEBY POTTERY
K AND FIRST ST'S, BOSTON, MASS

Boston, Mass.
Dec 16 1907

Dear Professor,

I am sending to-day, by express, prepaid, five samples of tiles, all the same glaze illustrating three main troubles. All were fired at cone 6 and are from different kilns with the exception of 1 + 2 which come from the same kiln.

I've written my conclusions, with reasons, briefly on each tile.

It is an antimony enamel.

In the last kiln containing 7,000 tiles, all are about the same as (no. 5) only some worse.

Are the spots on (no. 5) due to sulphuric acid? It's a point I'm not sure about, but don't know what else would cause them.

The glaze flows up at cone 06 like a soda biscuit and continues that way until about ^{one} 4 or 5 when it begins to settle and then with the effect of (no. 4) but in many cases worse.

In the same kiln with (no. 5) I placed three trials all of which came out whiter than (no. 3)

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and besides they were all a first test.
So drawing conclusions from those and a
comparison with the tiles I send you, I feel
confident that the main trouble lies in the com-
position of the glaze itself, although under
the right conditions they get some nice tile
from their glaze. I should say out of 35,000
tiles they have secured three or four hundred
no firsts.

Trusting I may hear from you soon
I remain,
Most sincerely yours,

Fred E. Walrath

Does sulphur produce a whitish scum?
I neglected to say above that I would like
your opinion of the different tiles and
into to thank you before hand for the same.

F. E. W.