THE HOMER LAUGHLIN CHINA CO.

MAKERS OF

HOMER LAUGHLIN CHINA

NEWELL, W. VA. September 20th., 1921.

Professor Charles F. Binns,

Alfred, N. Y.

Dear Professor Binns:

Answering your inquiry of the 13th., permit me to say that Mr. Locke did some work on boric acid glasses at the Pittsburgh laboratory of the bureau of Standards several years ago. As I remember it he desired to produce glasses with the minimum amount of alkalies possible and it was his intention to employ these as fritts in a porcelain body. It was evident that he wanted to replace feldspar by means of the glass. I did not get a complete statement of his problem. In this connection it might be suggested that a start be made in obtaining a glaze very low in alkalies from the ordinary acid fritt used in the earthen ware industry which consists of : Boric acid, 40.4%; Flint 55.4%; Borax 4.2%. At a sufficiently temperature this fritt is glassy but is subject to devitrification upon re-heating. I do not take much stock in Mr. Locke's remarks with reference to the softening action of alumina in the glaze especially in such high percentages.

Referring to our previous correspondence concerning the retiring statute permit me to say that I wanted to know whether there was danger of its enforcement. If so, whether the act could be suspended upon request of the industries or whether your friends would be permitted to suggest other arrangements.

With kind regards I am

Yours very truly

W. Bleininger.