

UNITED STATES PATENT OFFICE.

HENRY NOEL POTTER, OF NEW ROCHELLE, NEW YORK, ASSIGNOR TO GEO. WESTINGHOUSE,
OF PITTSBURG, PENNSYLVANIA.

TREATMENT OF SILICON MONOXID.

No. 908,131.

Specification of Letters Patent.

Patented Dec. 29, 1908.

Application filed June 14, 1905. Serial No. 265,171. (Specimens.)

To all whom it may concern:

Be it known that I, HENRY NOEL POTTER, a citizen of the United States, and resident of New Rochelle, county of Westchester, State of New York, have invented certain new and useful Improvements in the Treatment of Silicon Monoxid, of which the following is a specification.

In a certain application for Letters Patent of the United States filed December 30, 1904, Serial Number 238,925, I describe a new product, the same being silicon monoxid, and a process for making the same. The process set forth in the aforesaid application may be described as consisting in heating a mixture of silicon dioxid and carbon to a critical temperature in a partially filled inclosing chamber. The product may appear in at least two forms, one a vitreous form, and the other a finely divided impalpable powder having a soft brown color. The color while in itself attractive, and perfectly adapting the powder for certain uses, might be less serviceable for other uses and for this reason I have devised a method of altering the brown color. This can be done in several ways, but for the purpose of producing a white powder I find that this can be done by blowing the brown powder through a flame or in any other way oxidizing the powder while suspended in air and therefore unable to frit to-

gether. By this process the brown monoxid powder is changed into the dioxid of a fineness which appears to be equal to that of the original monoxid powder. The change in color removes any objection which may exist to the use of the powder as a tooth powder, for example, or as an ingredient of many other light colored powders, such as face powder. Both the brown monoxid powder and the white dioxid powder are easily available for these purposes by reason of their extreme fineness, their non-poisonous nature, and their good spreading qualities. It will be understood, however, that the lighter color of the dioxid powder may be preferred for the purposes indicated, and also for many other purposes which will readily suggest themselves.

I claim as my invention:

The method of producing from finely subdivided silicon monoxid, silicon dioxid of equal fineness, which consists in burning the powder of silicon monoxid while suspended in an oxidizing atmosphere.

Signed at New York, in the county of New York, and State of New York, this 9th day of June A. D. 1905.

HENRY NOEL POTTER.

Witnesses:

WM. H. CAPEL,
GEORGE H. STOCKBRIDGE.