

UNITED STATES PATENT OFFICE.

RALPH LYON, OF ENGLEWOOD, NEW JERSEY.

TOILET CLEANING-SOAP.

932,152.

Specification of Letters Patent.

Patented Aug. 24, 1909.

No Drawing.

Application filed October 8, 1908. Serial No. 456,749.

To all whom it may concern:

Be it known that I, RALPH LYON, a citizen of the United States, residing at Englewood, county of Bergen, and State of New Jersey, have invented certain new and useful Improvements in Toilet Cleaning-Soap, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

This invention relates to a new toilet soap intended especially for cleaning the hands, the especial object of the invention being to provide a soap cake of this class which shall be smoother and more delicate than prior soap cakes of this class, while possessing in a high degree the cleaning and other qualities desired in this class of soaps.

I have discovered that a compound of soap and heavy precipitated chalk in certain proportions will produce under pressure a cake that is firm and durable, of excellent cleaning qualities, and at the same time smooth and delicate, avoiding the harshness of prior cleaning soaps. The chalk used is what is known as heavy precipitated chalk which is produced by artificial precipitation, being preferably what is known as English heavy precipitated chalk, the ordinary light artificial chalk or the prepared natural chalks not being satisfactory. The soap used is preferably imported Spanish castile soap, which I have found secures the best results, but ordinary castile or other suitable soap may be used. The proportions of chalk and soap used may be varied somewhat, but are preferably from four to five parts of chalk to one part of solid soap, by weight, but more chalk than about five

parts to one of soap results in the cake breaking up, and reduction in the amount of chalk reduces the abrasive qualities so that less than about three parts of chalk to one of soap does not give satisfactory results, if no other material than heavy precipitated chalk and pure soap be used, and in any case the heavy precipitated chalk must be in proportions of two or more parts of chalk to one of pure soap by weight.

In making my soap cake, the commercial powdered heavy precipitated chalk is sifted and bolted through a very fine mesh bolting cloth to remove any foreign matter and then thoroughly mixed with the soap dissolved in a small quantity of water under heat. The water is then evaporated, preferably in vacuum, and the compound molded under pressure to form the cakes.

What I claim is:—

1. A toilet cleaning soap consisting of soap and abrasive material containing heavy artificially precipitated chalk in proportions of two or more parts of heavy precipitated chalk to one part of soap by weight.

2. A toilet cleaning soap consisting of a compound of soap and heavy artificially precipitated chalk in substantially the proportions of from about three to five parts of chalk to one part of soap by weight.

In testimony whereof, I have hereunto set my hand, in the presence of two subscribing witnesses.

RALPH LYON.

Witnesses:

FRANK C. HEATH,
J. A. CARPENTER.