

UNITED STATES PATENT OFFICE.

EZRA A. JOHNSON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
HIMSELF AND ALEXANDER WARFIELD, OF SAME PLACE.

IMPROVEMENT IN SOAPS FOR POLISHING METALS, &c.

Specification forming part of Letters Patent No. **113,526**, dated April 11, 1871.

To all whom it may concern:

Be it known that I, EZRA A. JOHNSON, of Philadelphia, in the county of Philadelphia, and in the State of Pennsylvania, have invented certain new and useful Improvements in Polishing-Soap; and do hereby declare that the following is a full, clear, and exact description thereof.

My invention consists in a polishing-soap embracing the following ingredients, viz: soap, cocoa-nut oil or cocoa-nut butter, caustic lye, and prepared silicic acid, which may be combined with sal-soda.

This soap may be made in the following manner: Place in a kettle one hundred pounds of soap, twelve and a half pounds of cocoa-nut oil or cocoa-nut butter, fifteen pounds of strong lye; mix this thoroughly, and add to it alternately seventy-five pounds of weak lye and six hundred pounds of prepared silex. The silex I use is prepared in a manner substantially as described. The silex is charred in a kiln similar to the process for charring lime. When charred it is run into a water-bath, and when cooled pulverized. As soon as finished, run or dip into frames for cooling, and when sufficiently dry cut into bars.

This soap combines economy, utility, and merit for general domestic cleaning and polishing uses, such as scrubbing wood, stone, marble, brick, iron, and rough work; scouring

knives and forks, pots, kettles, ranges, cutlery, and all steel or iron ware; polishing tin pans, brass kettles, copper boilers, zinc casing, all kitchen utensils, or other plain metals; washing and polishing silver, britannia, or plated ware; for cleaning and preserving paints of all kinds and colors; for producing a brilliant surface upon windows, mirrors, show-cases, and all glass, china, porcelain, and earthen ware. It is, however, not designed as a laundry-soap.

I do not confine myself to the exact proportions hereinabove mentioned, nor in the mode of preparing, as they may be slightly varied without materially affecting the action of the soap.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A cleansing and polishing soap composed of soap, cocoa-nut oil or cocoa-nut butter, lye, and prepared silex, with or without sal-soda, substantially for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of March, 1871.

EZRA A. JOHNSON.

Witnesses:

J. M. MASON,
C. L. EVERT.