

UNITED STATES PATENT OFFICE.

GEORGE C. LAWRENCE, OF WINCHESTER, MASSACHUSETTS.

IMPROVEMENT IN SOAP MIXTURES.

Specification forming part of Letters Patent No. **15,980**, dated October 28, 1856.

To all whom it may concern:

Be it known that I, GEORGE C. LAWRENCE, of Winchester, in the county of Middlesex and State of Massachusetts, have invented an Improvement in Manufacturing Soap; and I do hereby declare that the following is a full and exact description of the process of making and compounding the same, and of the quantities of the several ingredients therein contained.

The object of my invention is the production of a soap that will have powerful cleansing or detergent qualities, while at the same time it leaves the skin soft and in good condition, and also is healing in its action when used by persons who are afflicted with salt-rheum or other cutaneous diseases.

I first prepare a good soap by the use of soda or potash in the usual manner. I then take one hundred pounds of this and divide it in small pieces in readiness to be mixed, as described below. In a suitable boiler I put five to ten gallons of pure water and add to it twelve pounds of borax or baborate of soda. I then bring the water to a boiling temperature and continue it until the borax is dissolved. When this is effected I put in the soap, adding it gradually and stirring until it is well mixed. During this part of the process, if the compound becomes too thick to be

stirred easily, more water may be added to bring it to a proper consistence. I next add five pounds of castor-oil and two pounds of flour, keeping the whole at a medium heat, or at about 150° Fahrenheit, and when the whole is well incorporated it is removed from the fire and allowed to stand until it is partially cooled. It gradually stiffens, and I now add twelve pounds of borax in a pulverized state, making the whole quantity of borax in the compound twenty-four pounds. This is thoroughly mixed in, and remains in the soap in the condition of a fine powder. Any kind of perfume that is desired may now be added. It is then in readiness to be made up into balls or cakes in the usual manner. The borax that is introduced in a pulverized state, as last mentioned, acts mechanically upon the skin by abrasion, and is at the same time dissolved in the water used for washing.

What I claim, and desire to secure by Letters Patent, is—

The combination of the soap compound herein described with borax in a pulverized or granular state.

GEO. C. LAWRENCE. [L. S.]

Witnesses:

F. L. BATCHELDER,
J. M. BATCHELDER.