

UNITED STATES PATENT OFFICE.

E. SPRAGUE, OF SCHENECTADY, NEW YORK.

IMPROVED SOAP COMPOSITION.

Specification forming part of Letters Patent No. **50,180**, dated September 26, 1865.

To all whom it may concern:

Be it known that I, E. SPRAGUE, of Schenectady, in the county of Schenectady and State of New York, have invented a new and Improved Soap Composition; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to fully understand and make use of the same.

This invention relates to a composition for cold-water soap which has superior detergent qualities and which is very economical in its operation.

My soap is made of ordinary soap mixed with sal-soda, potash, soda-ash, spirits of turpentine, carbonate of ammonia, rosin, and borax, and these ingredients are mixed together in about the following proportions: Best bar soap, five pounds, dissolved in twelve gallons of water. To this I add sal-soda, one pound; potash, four ounces; soda-ash, six ounces; rosin, one pound; borax, eight ounces; spirits of turpentine, one pint. After boiling this mixture one hour I let it cool off, and add two ounces of carbonate of ammonia and let it set for one week.

By the addition of borax and rosin a union is effected between the alkalies and the volatile parts of the mixture—viz., spirits of turpentine and ammonia—so that the compound is not affected or decomposed by the atmospheric air, and thereby the yellowing of the fabric washed in my soap and the decomposition or rotting thereof is saved.

In using my soap I take six gallons of cold water, add one pint of soap, stir well, soak the clothes in this solution one hour, rub clean, and rinse well. In very dirty parts—such as wristbands, collars, &c.—apply a little soap when rubbing.

I claim as new and desire to secure by Letters Patent—

A soap composed of the within-described ingredients, mixed together substantially in the manner and about in the proportion set forth.

The above specification of my invention signed by me this 16th day of August, 1865.

E. SPRAGUE.

Witnesses:

W. HAUFF,
C. L. TOPLIFF.