

# UNITED STATES PATENT OFFICE.

SOPHIE ANDERSEN, OF COPENHAGEN, DENMARK.

## SOAP.

SPECIFICATION forming part of Letters Patent No. 556,726, dated March 24, 1896.

Application filed September 17, 1895. Serial No. 562,752. (No specimens.)

*To all whom it may concern:*

Be it known that I, SOPHIE ANDERSEN, a subject of the King of Denmark, residing at Copenhagen, in the Kingdom of Denmark, have invented certain new and useful Improvements in the Manufacture of Soap; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object a cleansing and dyeing compound for cleansing and dyeing fabrics, whereby the latter may not only be cleansed, but also dyed, or the original color restored when the fabric has become more or less faded, or whereby the depth of the color or tint of such fabric may be changed during the operation of cleansing.

To these ends the invention consists in a composition of matter and in a new article of manufacture namely—a washing and dyeing soap—as will now be fully described.

In carrying out my invention any suitable coloring-matter or dye-stuff can be employed—as, for instance, aniline dyes—such dye-stuff being intimately combined or mixed with the soap in the manufacture of the latter, and while in a proper condition for such admixture. The amount of coloring-matter used will of course vary in accordance with the degree of concentration to be attained, a medium concentration being attained by the admixture of one pound of coloring-matter with twenty-five pounds of soap, to which is added about one-eighth of a pound of alum,

and to this compound I preferably add about one-eighth of a pound of alcohol.

The article in appearance resembles colored soap, and is used in the same manner as washing-soap, the soap constituents acting as a cleansing agent, placing the fabric in a proper condition to take the dye, so that a uniform tint is obtained, which would not be the case were the fabric dyed without being freed from grease or other stains.

The article, as will readily be seen, is of great value and advantage for family use, in that it affords a ready means for restoring faded colors in wearing-apparel, especially ladies' and children's summer dresses.

The fabric should be carefully washed in the soap and dye solution prepared with the cleansing and dyeing soap. Said fabric is then rinsed in clear water and ironed while still damp, the result being a uniform depth of color equally as fine as obtained by the usual mode of dyeing.

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

The herein-described composition of matter, consisting of a detergent, a dye-stuff, a solvent of such dye-stuff, as alcohol, and a mordant, as alum, for the purpose set forth.

In witness whereof I have hereunto set my hand in presence of two witnesses.

SOPHIE ANDERSEN.

Witnesses:

ALFRED J. BRYN,  
JOHAN VAALER.