

UNITED STATES PATENT OFFICE.

J. K. VAUGHAN AND EVAN HENRY EVERMAN, OF PHILADELPHIA COUNTY,
PENNSYLVANIA.

IMPROVEMENT IN THE MANUFACTURE OF SOAP.

Specification forming part of Letters Patent No. **4,404**, dated March 7, 1846.

To all whom it may concern:

Be it known that we, JACOB KEEN VAUGHAN and EVAN HENRY EVERMAN, in the county of Philadelphia and State of Pennsylvania, have discovered and produced a new and useful Improvement in Manufactured Soaps, by which the quantity is greatly increased and the quality improved; and we do hereby declare that the following is a full and exact description.

The specified quantity of ingredients for compounding three thousand pounds of improved soap are as follows, viz: best yellow soaps, nine hundred pounds; water, two thousand five hundred pounds; borax sodæ, or common borax, seventy-five pounds; sodæ murias, or common salt, thirty-seven and one-half pounds; glue, best manufactured, fifteen pounds; palm-oil, ten pounds.

To enable others skilled in the art to make and use our invention, we will describe the

operation, viz: Dissolve the soap in the water by slow boiling, then add the glue in a dissolved state, and the palm-oil, and continue the boiling and stirring until brought to a boil, then add the borax and salt, leave the mixture to a boil a few minutes, when it is finished, and may be poured into molds to cool.

What we claim as our invention, and desire to secure by Letters Patent, is—

The application and addition to a given quantity of soap, of water, borax, salt, glue, and palm-oil, which will increase the quantity and improve the quality of the soap used, as herein described.

JACOB KEEN VAUGHAN.
EVAN HENRY EVERMAN.

Witnesses:

JOHN CLOUDS,
BENJN. S. HORT.