

UNITED STATES PATENT OFFICE.

MIGUEL DE LA VEGA AND LUIZ D'OLIVERIA, OF NEW YORK, N. Y.

MANUFACTURE OF SOAP.

SPECIFICATION forming part of Letters Patent No. 249,506, dated November 15, 1881.

Application filed December 3, 1880. (Specimens.)

To all whom it may concern:

Be it known that we, MIGUEL DE LA VEGA and LUIZ D'OLIVERIA, citizens of the United States and residents of the city, county, and State of New York, have invented a new and useful Improvement in the Manufacture of Soap, of which the following is a full, clear, and exact description.

The object of our invention is to make a new and improved soap, of which castor-oil is the main ingredient.

The proportions in which and the mode which we prefer in making our soap are as follows: We take one thousand pounds of castor-oil, and to the same we add from ten to one hundred pounds of caustic soda and from ten to one hundred pounds of potash, these two latter ingredients of caustic soda and potash being added in such proportions within the limits named according as it is desired to make a softer or a harder soap. To the mixture so obtained we add fifty per cent. of water. This mixture of the water, caustic soda, and potash with the castor-oil may be effected by either the hot or cold process used in making ordinary soap. After being thus treated, the mixture is solidified, and the soap is then ready for use.

By using the amount of ingredients above stated about eighteen hundred pounds will be produced.

In making a greater or less amount of soap at any one time the above amounts of ingredients must be varied, about the same relative proportions, however, being preserved.

We do not intend to confine ourselves to the exact proportions above specified, but the same may be somewhat varied without affecting the principle of our invention.

The soap so made is whiter, cleaner, purer, cheaper, and harder, and is consequently more durable and cleans better, than the ordinary soaps.

We are aware that in one or two chemical treatises mention is made of making soap from castor-oil; but the proportions of ingredients therein specified are so inaccurate when applied to making soap from castor-oil on a large and commercial scale, as is the design of our improvement, that the process described in such books is practically worthless. The soap so made by such laboratory process is also inferior and not as durable as ours, and not a practical commercial article.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

As a new article of manufacture, a new and improved soap of castor-oil consisting of castor-oil, potash, caustic soda, and water, substantially as described.

In testimony whereof we have hereunto set our hands this 2d day of December, 1880.

MIGUEL DE LA VEGA.
LUIZ D'OLIVERIA.

In presence of—

CHARLES G. COE,
R. GEO. RASKERCK.