

UNITED STATES PATENT OFFICE.

PAUL CASAMAJOR, OF BROOKLYN, NEW YORK.

MANUFACTURE OF SOAP.

SPECIFICATION forming part of Letters Patent No. 243,757, dated July 5, 1881.

Application filed April 22, 1881. (No specimens.)

To all whom it may concern:

Be it known that I, PAUL CASAMAJOR, of the city of Brooklyn, county of Kings, New York, have invented certain Improvements in the Manufacture of Soap, of which the following is the specification.

My invention has for its object to produce a soap in which a large proportion of turpentine or mineral oil can be incorporated in such a way as to obtain a permanent mixture having the appearance of commercial soap.

After numerous experiments I have succeeded in incorporating hydrocarbons to the amount of nearly thirty per cent. without the use of an excess of alkali, and without any portion of the hydrocarbon being left free or capable of being detected as separate from the saponaceous portion.

In producing the improved soap I take commercial soap of any kind—as castile, washing-soap, toilet-soaps, &c.—and after dividing the same by cutting, grinding, or otherwise, although this previous division is not indispensable, I heat the mass until it is in a soft or pasty condition. If it should not be sufficiently softened, water should be added until the proper consistency is reached. The hydrocarbon, spirits of turpentine, or heavy oil of petroleum is then added, preferably in small quantities at a time, while the mass is thor-

oughly stirred until the two articles are thoroughly mixed, the heat being preferably maintained until the mixture is effected. The mass is then allowed to harden, and is cut or molded in any usual manner. By this means I have succeeded in so thoroughly incorporating from fifteen to thirty per cent. of hydrocarbon in the soap that its presence in a freestate is not manifested in any manner, and the soap thus made has unusual detergent qualities, forms a fine lather, and in other ways is greatly improved, while its effect upon the skin is superior to those of ordinary commercial soaps.

I claim—

The within-described improvement in the manufacture of soap, the same consisting in reducing any ordinary soap to a soft or pasty mass by heat, as set forth, then adding spirits of turpentine or heavy oil of petroleum, while rapidly agitating, until the whole is combined in a uniform mass, and then hardening and dividing, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PAUL CASAMAJOR.

Witnesses:

VALENTINE WOLZ,
WILLIAM MILLER.