

UNITED STATES PATENT OFFICE.

C. C. LEWIS, OF WHITEWATER, WISCONSIN.

IMPROVED SOAP.

Specification forming part of Letters Patent No. 35,161, dated May 6, 1862.

To all whom it may concern:

Be it known that I, C. C. LEWIS, of Whitewater, in the State of Wisconsin, have invented a new and useful Improvement in the Manufacture of Soap; and I do hereby declare the following to be a full and exact description thereof and of the mode of compounding the same.

The nature of my invention relates to the use in certain specified proportions, or thereabout, of ingredients hereinafter named, whereby a superior article of soap is quickly and cheaply produced, which, while it shall possess a sufficient density to make it agreeable to handle when not in contact with water, and will properly impart itself, when wet, to the hands of the operator, yet will not, when dry, readily fracture or "crumble," and when once wet will not become "soaked," and so render it liable to waste, and, further, will not chafe or roughen the surface of a person to whom it may be applied, but still is sufficiently powerful in its action to thoroughly remove dirt from garments in the act of washing and without the ordinary "rubbing" and "boiling."

It will then be seen that my soap is applicable to toilet purposes, as well as for the purposes of the kitchen.

To manufacture my improved soap the operator will take one hundred and thirty-six parts of lye made from wood-ashes and of sufficient strength to bear up an egg. Of this quantity of lye take one-half and add thereto one hundred parts of Fuller's soap. Melt the same in a proper vessel over a slow fire. Then take the other half of the lye and add thereto one hundred parts of kaolin, stirring the same

until the clay becomes thoroughly dissolved in the lye, to effect which the kaolin and lye should also be placed in a separate vessel and be subject to the action of a slow fire while being mixed. The contents of the two vessels are then poured together and thoroughly mixed, after which six parts of spirits ammonia and three parts of borax are added thereto. The whole is then again agitated and mixed, the vessel containing the entire mass being subject to heat from a gentle fire. After this final agitation and mixture the mass is removed and prepared for the market in bars or cakes in the usual manner.

If it is desired to give to the soap great penetrating qualities, and to adapt it particularly to the purpose of cleansing clothes, then five parts of spirits turpentine may be added with the borax and spirits ammonia; but when the soap is intended to be used both for toilet purposes and for cleansing clothes the turpentine is dispensed with.

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

The use of the specified ingredients for the purpose of making soap, substantially in the specified proportions, and for the purpose set forth.

Witness my hand and seal this 10th day of March, A. D. 1862, in the matter of my application for a patent for improvement in manufacture of soap.

C. C. LEWIS. [L. S.]

Witnesses:

THEODORE HEMPEL,
I. U. WHEELER, Jr.