

UNITED STATES PATENT OFFICE.

SAMUEL CRUMP, OF MONTCLAIR, NEW JERSEY.

MANUFACTURE OF SOAP.

SPECIFICATION forming part of Letters Patent No. 262,745, dated August 15, 1882.

Application filed July 11, 1882. (No specimens.)

To all whom it may concern:

Be it known that I, SAMUEL CRUMP, a citizen of the United States, residing at Montclair, in the county of Essex and State of New Jersey, 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.

The invention relates to an improvement in the manufacture of soap; and it consists essentially in giving the cake or bar of soap a thin coating of paraffine-wax, which may be applied by dipping the soap into a solution of the wax or in any other convenient manner.

By my invention I overcome various difficulties which have heretofore been experienced in the manufacture of soap, and which it has been considered impossible to obviate.

It has been customary in the manufacture of soap to cut the cakes or bars, allow them to stand a few days to partially dry, and then wrap them in, first, a plain wrapper and then a printed wrapper, after which the cakes are packed and placed upon the market. There are numerous results incident to this method of manufacture which have proved a constant source of embarrassment and loss, and among these may be mentioned the loss in weight of the soap by standing and exposure to the atmosphere; the delay caused by the necessity of permitting the soap to dry before packing it; the white mottled appearance which cheap grades of soap assume by reason of the soda and other adulteration being attracted to the surface by the moisture of the air; and it is true that the employment of two wrappers creates more expense and consumes more time in applying them than one wrapper would.

The employment of two wrappers is necessitated by the fact that the alkali in the soap would destroy the printed wrapper if allowed to come in contact with it, and that the said wrapper would adhere to the soap and destroy the appearance of the cake if the plain wrapper were not used.

By my invention I am enabled to overcome all of the foregoing objections, and at the same time add to the appearance of the soap. The application of the coating or film of paraffine does not detract from the quality of the soap in any respect, but gives the cake a fine glossy appearance. It is true, also, that the coating of paraffine may be applied immediately after the cakes are cut, and that when so applied the cakes may be wrapped in a single paper and packed without waiting for the soap to dry and without danger of the cakes adhering to each other or to the single printed wrapper. The coating of paraffine prevents the escape from the cake of its strength, and protects it from the effects of the atmosphere.

It will be observed that by my invention the cake of soap is not only protected, but that the wrapper is also, and that the soap may be shipped as soon as made to humid climates without any liability of a loss in weight or appearance on account of the moist atmosphere.

What I claim as my invention, and desire to secure by Letters Patent, is—

A cake, bar, or piece of soap having a coating or film of paraffine or analogous agent, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL CRUMP.

Witnesses:

GEORGE DELONG,

CHARLES S. SMITH.