

UNITED STATES PATENT OFFICE.

WILLIAM J. BARRICKMAN AND JOSEPH C. BYERS, OF BUTLER,
PENNSYLVANIA.

CLEANING COMPOUND.

No. 850,557.

Specification of Letters Patent.

Patented April 16, 1907.

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To all whom it may concern:

Be it known that we, WILLIAM J. BARRICKMAN and JOSEPH C. BYERS, citizens of the United States of America, residing at Butler, in the county of Butler and State of Pennsylvania, have invented certain new and useful Improvements in Cleaning Compounds, of which the following is a specification.

This invention relates to a new composition of matter which is employed for cleaning the skin.

The primary object of the invention is to provide a composition the ingredients of which are easily available and comparatively inexpensive, the ingredients employed forming a composition capable of removing stains, grease, and filth from the skin.

Our composition, or "cleaner," as it will be hereinafter termed, is particularly adapted for mechanics and artisans who have their hands and face soiled by machinery-oil and grease that are extremely difficult to remove by the use of ordinary soap and water. Our composition when applied to the skin of the hands and face softens the stain or grease to be removed and permits of the same being removed by cold or warm water.

The cleaner is composed of ingredients which are harmless but beneficial to the skin, the cleaner tending to soften the skin and return it to its normal condition.

In manufacturing our cleaner we employ inorganic substances or ingredients which are thoroughly mixed and commingled to produce a salve or grease-like composition, and the ingredients which we employ are as follows, the approximate amount of each ingredient used being stated: clay, eighty-two per cent.; oil, fifteen per cent.; concentrated lye, one per cent.; tallow, one per cent.; glycerin, one per cent.

The clay which we use is the ordinary yellow clay obtainable from the earth, and we preferably use clay having very little moisture or oil therein. The clay is baked in an oven or in the sun until it is thoroughly dry, at which time it is pulverized or granulated to a very fine consistency, resembling flour.

We preferably employ a vegetable oil, such as linseed-oil or olive-oil or any other oil possessing the same characteristics as the oil mentioned. The concentrated lye employed is that kind easily obtainable and at

present upon the market, and beef-suet may be readily substituted for the tallow employed in the cleaner.

In mixing and commingling the above-mentioned ingredients to produce a small quantity of the cleaner the first step involved consists of using half a gallon of water and half a teaspoonful of lye, the water and the lye being boiled thoroughly until the volume is reduced to one-half pint. To this one-half-pint solution is added the finely-pulverized clay, and the solution is thoroughly agitated until the clay has commingled with the solution. The solution is now permitted to stand approximately two days to permit of the solution congealing or reaching a semi-fluid state. The oil is then added to the cleaner to give a smooth effect, and after the oil has been thoroughly mixed the tallow and glycerin are added to the cleaner, these last-named ingredients being used as healing agents for the skin when the cleaner is applied thereto.

To the composition or cleaner may be added suitable coloring-matter, also perfumery, to give the composition a pleasing appearance and also an odor that will not be disagreeable to a person using the composition.

The clay used in the composition serves, primarily, as a scourer or cutting element for taking hold of the grease or stains that may adhere to the skin, and the lye employed through a chemical action common to lye removes the filth that may adhere to the skin. The oil, tallow, and glycerin serve as healing medicaments which will soften the skin and place it in perfect condition.

An important characteristic of our cleaner resides in the fact that it can be readily used in connection with cold water as well as warm water, the ingredients of the cleaner being soluble enough to take hold of any filth or dirt that may adhere to the skin.

We do not care to confine ourselves to the prescribed amounts of each ingredient used, as the percentage of each may be varied according to the consistency and properties of the cleaner desired.

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

1. The herein-described composition of matter, consisting of clay eighty-two per cent., oil ten per cent., soap five per cent., tal-

low one per cent., and glycerin two per cent., substantially as described and for the purpose set forth.

2. The herein-described composition of
5 matter, consisting of finely-pulverized clay, oil, soap, tallow and glycerin, substantially as described and for the purpose set forth.

In testimony whereof we affix our signatures in the presence of two witnesses.

WILLIAM J. BARRICKMAN.

JOSEPH C. BYERS.

Witnesses:

H. C. EVERT,

E. A. VENSEL.