

# UNITED STATES PATENT OFFICE.

CHARLES KAHN, JR., OF CINCINNATI, OHIO.

## IMPROVEMENT IN DETERGENT COMPOUNDS.

Specification forming part of Letters Patent No. **218,676**, dated August 19, 1879; application filed June 3, 1879.

*To all whom it may concern:*

Be it known that I, CHARLES KAHN, Jr., of Cincinnati, Hamilton county, Ohio, have invented a new and useful Washing-Cream, of which the following is a specification.

My invention relates to a new and useful saponaceous compound or washing-cream, applicable to the cleansing of garments, of carpets, of the walls, ceilings, and floors of apartments, of furniture and other objects, and also applicable for toilet and other uses.

In the manufacture of my washing-cream I dissolve one part of sodium hydrate in sufficient water for complete solution. To such alkaline solution I add seven parts of best cocoanut-oil, or any other suitable fatty oil, to which, after complete saponification, I add one hundred parts of water. When somewhat greater approach to solidity is desired, addition may be made at this stage of a larger proportion of fatty oil or of soap, or of both, at discretion. For some purposes, such as use for toilet or shaving soap, I here add half a part of mucilage—such, for example, as starch or glycerine. To the above I then add of so-

dium biborate (borax) half a part, of sal-soda four parts, of alumina and ammonia sulphate (ammonia alum) one-tenth part, and of ammonium sesquicarbonate five parts.

To the above composition there are added of water fifty to one hundred parts, as may be found requisite to produce, when cold, a gelatinous or creamy mass of the precise consistence desired. Glycerine and perfumes may be added at discretion.

I claim for this compound that it combines economy of manufacture with effective detergent qualities of a very remarkable character.

I claim as new and of my invention—

The hereinbefore-described saponaceous compound, consisting of the described solution of sodium hydrate, fatty oil, borax, sal-soda, ammonia alum, and ammonium sesquicarbonate.

In testimony of which invention I hereunto set my hand.

CHARLES KAHN, JR.

Attest:

GEO. H. KNIGHT,  
L. H. BOND.