UNITED STATES PATENT OFFICE.

SHEHADI A. SHEHADI AND ADEEB FARIS, OF PROVIDENCE, RHODE ISLAND.

DETERGENT.

SPECIFICATION forming part of Letters Patent No. 686,665, dated November 12, 1901.

Application filed July 25, 1901. Serial No. 69,721. (No specimens.)

To all whom it may concern:

Be it known that we, SHEHADI A. SHEHADI and ADEEB FARIS, citizens of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a certain new and useful Composition of Matter to be Used for the Removal of Grease and Dirt from Fabrics, of which the following is a specification.

Our primary object is to produce a compound adapted to the cleansing of Turkish rugs, carpets, and such other fabrics as contain wool or other staples which have serrated exteriors injured by the application of uncombined free alkalies. We further secure the desideratum of avoiding the creasing of the fabric to which the compound is applied.

Our composition consists of the following ingredients, compounded in the proportions stated, viz: water, substantially pure, one gallon; ammonia, one ounce; carbonate of potash, two ounces; caustic potash, ten ounces; extract of peppermint, one-eighth of an ounce; extract of laurel, one ounce; rose-water, one ounce. The strength of the extract of peppermint should be from two and one-half to ten per cent., and the strength of the extract of laurel should be from five to fifteen per cent. These ingredients are to be thoroughly mingled by agitation.

In preparation of extracts of laurel it is common practice to place the finely-powdered leaves, bark, or root into a proper receptacle provided with suitable means for drawing off the resulting liquid and macerate the substance with the menstruum selected until the body of the mass is thoroughly permeated therewith. Then slowly pour thereon more of the menstruum and exhaust as usual. The menstruum may be either absolute or dilute alcohol or water. We prefer water for the purposes of our combination.

Regarding the detergent action of laurel and peppermint in cleansing rugs, carpets, &c., with ordinary alkali and soap treatment there remains a greasy nidus that cultivates all germs present in the air or from feet. The combination of the alkalies mentioned in the preparations named tends to decrease the causticity of their detergent action, and the admixture of the germicides, peppermint (menthol) and laurel, whether as alcoholic or aqueous extracts, act as an emollient as well as a germicide.

In using the above-described detergent a small quantity of the same may be mixed with a convenient amount of warm or hot water and applied to the fabric with a cloth or brush.

What we claim, and desire to secure by Letters Patent of the United States, is—

1. The herein-described detergent consisting of water, ammonia, carbonate of potash, potash, extract of peppermint, extract of laurel, and rose-water, substantially as described and for the purpose specified.

2. The herein-described detergent consisting of pure water one gallon, ammonia one ounce, carbonate of potash two ounces, potash ten ounces, extract of peppermint one-eighth of an ounce, extract of laurel one ounce, and rose-water one ounce, substantially as described.

In testimony whereof we have affixed our signatures in presence of two witnesses.

SHEHADI A. SHEHADI.
ADEEB FARIS.

Witnesses:
HORATIO E. BELLOWS,
HENRY A. FILLIETTAZ.