

UNITED STATES PATENT OFFICE.

SAMUEL E. SMYTH, OF DENVER, COLORADO.

CLEANING COMPOUND.

No Drawing.

Application filed March 8, 1920. Serial No. 364,201.

To all whom it may concern:

Be it known that I, SAMUEL E. SMYTH, a citizen of the United States, residing at the city and county of Denver and State of Colorado, have invented certain new and useful Improvements in Cleaning Compounds; and I do 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 object of this invention is to provide a cleaning compound which is particularly adapted for upholstery of automobiles, but is also good for cleaning and polishing the metal work thereof.

Briefly, the compound comprises a saponaceous substance which is combined with other liquids, such as kerosene and alcohol, so that a lather is avoided during the cleaning operation. The specific ingredients of the compound are as follows:

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| 1. Oleic acid----- | 36.7 oz. fluid, |
| 2. Potassium hydroxide---- | 8.12 oz. avoirdupois, |
| 3. Water ----- | 11.6 oz. fluid, |
| 4. Kerosene----- | 50.2 oz. fluid, |
| 5. Denatured alcohol----- | 26.1 oz. fluid. |

The compound is prepared by first thoroughly mixing the oleic acid with the kerosene. The potassium hydroxide is then dissolved in water, and this is added to the mixture of oleic acid and kerosene and thoroughly mixed. The denatured alcohol is then added in small amounts, the whole being mixed well after each addition. This

solution, when finished, should be of an amber color and of the consistency of strained honey, and should dissolve in hot water without showing the presence of oil. It is apparent, therefore, that the compound contains a saponaceous substance carrying kerosene in a sort of emulsion, the denatured alcohol being added to assist in the cleaning function.

It is obvious that the proportions may be varied somewhat from those given without materially affecting the value of the compound. It is also obvious that other fatty substances than the oleic acid, and other alkalies than the potassium hydroxide may be used so long as a soluble saponaceous material of desired quality is obtained.

This compound is highly desirable for cleaning automobile upholstery and bodies as above indicated, and also for general use in polishing and cleaning leathers and imitation leathers, metals, woodwork and all sorts of painted surfaces.

I claim:

1. A cleaning compound consisting of a saponaceous substance composed of oleic acid, potassium hydroxide and water carried in solution by a mixture of kerosene and denatured alcohol substantially in the proportions specified.

2. A cleaning compound consisting of oleic acid 36.7 fluid ounces, potassium hydroxide 8.12 oz. avoirdupois, water 11.6 fluid ounces; kerosene 50.2 fluid ounces and denatured alcohol 26.1 fluid ounces.

In testimony whereof I affix my signature.
SAMUEL E. SMYTH,