

# UNITED STATES PATENT OFFICE

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## DETERGENT

No Drawing.

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This invention relates to a detergent, and more particularly to a liquid preparation for removing lacquer, japan, tar, pitch, grease and like substances.

5 An object of the invention is to provide an efficient preparation for removing substances of the character above indicated, which will not injure the skin or other material to be cleaned.

10 One embodiment of the invention comprises a mixture of sperm oil with a volatile organic solvent such as naphtha, the preparation being applied to the hands or other objects to be washed in the usual manner.

15 The invention will be more fully understood from the following description of a preferred embodiment thereof:

20 The solvent forming a constituent of this preparation may be a liquid hydrocarbon such as naphtha, a halogen derivative of a hydrocarbon such as ethylene dichloride, a monohydric alcohol such as methanol, an oxidation product of a monohydric alcohol such as acetone, a polyhydric alcohol such as glycol, or a benzene derivative such as toluol or xylol. To this is added sperm oil, the two ingredients being mixed in about equal proportions, although these proportions may be varied in accordance with the substances

25 which it is desired to dissolve. The sperm oil itself is an excellent solvent, and the mixture of sperm oil with any of the volatile organic substances above indicated will readily dissolve obdurate substances such as lacquer, pitch, and the other substances above enumerated. The solution which this preparation forms with such substances is readily emulsified with soap and removed.

30 The preparation is used in the usual manner, and will be found to be free from the harmful action on the skin which naphtha and similar solvents have when used alone, since the sperm oil restores the oil to the skin

35 and thus counteracts the tendency of the vol-

atile organic solvent to leave the skin in an unnaturally dry condition.

What is claimed is:

1. A detergent consisting of sperm oil and naphtha.

2. A detergent consisting of sperm oil and naphtha in about equal proportions.

In witness whereof I hereunto subscribe my name this 30th day of December, A. D. 1929.

LEON I. SHAW.

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