

UNITED STATES PATENT OFFICE.

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PREPARATION FOR REMOVING PAINT AND VARNISH.

No. 885,996.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM STUHMILLER, a citizen of the United States, residing at the borough of Manhattan, city of New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Preparations for Removing Paint and Varnish, of which the following is a specification.

My invention relates to preparations for removing paint and varnish and has for its objects effectiveness of operation, economy in cost, simplicity of manufacture, maintenance of effectiveness of the operation for an indefinite period, absence of offensive odors, and the removal of the paint and varnish without injury to the surface which has been painted or varnished, or any impairment of its receptive condition for further painting and varnishing.

My invention includes a novel combination of ingredients or constituents to form a preparation for effectively softening and loosening paint and varnish so that they may be readily and easily removed from the surface to which they were applied.

I will now describe the best means known to me of producing and using the preparation embodying my invention and will thereafter point out my invention in claims.

In carrying out my invention I have obtained highly satisfactory results from a preparation including the following ingredients, combined in the following proportions, by volume: two-thirds-parts menhaden oil; two-thirds parts paraffin; eight parts benzol; three parts methyl alcohol; one-thirtieth part oil of peppermint; one-thirtieth part concentrated acetic acid.

The manner of mixing the various ingredients to produce the preparation which has given the best results is as follows: First mix the menhaden oil with one part of the benzol, and then heat over a moderate fire or subject to a moderate heat about sufficient to melt or render fluid the paraffin and add the paraffin in small lumps. When the paraffin is dissolved discontinue the application of heat. Then add the remaining seven parts of benzol and stir to thoroughly mix. Next add and mix the alcohol. The result will be a thin liquid, to which the oil of peppermint and acetic acid may be added when the liquid has cooled. The preparation is then ready for use.

The proportions of the different ingredi-

ents and the manner of mixing may be varied to some extent and the quality or strength of the respective ingredients will modify the proportions necessary for the preparation. The ingredients may be to some extent changed, as, for example, I have found that whale oil may be used in place of menhaden oil, although menhaden oil is preferred. Paraffin is sometimes to be had in the form of a thick oil known as paraffin oil, and may be used in this form but in increased quantity. I have found that benzol has given excellent results, but other forms of light hydrocarbon oils may be substituted. Methyl alcohol (wood or moss alcohol) is preferred but may be replaced by ethyl or other alcohol. The oil of peppermint is highly efficient not only because it imparts a pleasant odor to the mixture but also because it contributes to the paint and varnish softening function of the preparation, but other essential oils may replace it and I have used oil of citronella in its place. The essential oil may be omitted altogether in some instances, although it is a desirable and useful ingredient. The acetic acid may be omitted, especially should the alcohol be of good quality and strength. The resulting liquid is thin and will keep for an indefinite time. It may therefore be put up in cans, bottles or other receptacles as an article of commerce.

In use the preparation may be applied with a brush or cloth to the painted or varnished surface. It quickly attacks and softens the paint or varnish, changing it to soft and gelatinous substance which may be readily removed by scraping or rubbing or washing, as desired. When dealing with fine woodwork, carved or otherwise, the softened paint or varnish may be completely removed by washing with a suitable fluid, as water containing ammonia or a mild soap-powder.

I claim:—

1. A preparation for removing paint and varnish comprising fish oil, paraffin, a light hydrocarbon liquid, and alcohol.

2. A preparation for removing paint and varnish comprising menhaden oil, paraffin, a light hydrocarbon liquid, and alcohol.

3. A preparation for removing paint and varnish comprising fish oil, paraffin, benzol, and alcohol.

4. A preparation for removing paint and varnish comprising fish oil, paraffin, benzol, alcohol, and an essential oil.

5. A preparation for removing paint and

varnish comprising fish oil, paraffin, benzol, alcohol, an essential oil, and an acid.

6. A preparation for removing paint and varnish comprising menhaden oil, paraffin, 5 benzol, and alcohol.

7. A preparation for removing paint and varnish comprising menhaden oil, paraffin, benzol, alcohol, and an essential oil.

8. A preparation for removing paint and 10 varnish comprising menhaden oil, paraffin, benzol, alcohol, an essential oil, and acetic acid.

9. A preparation for removing paint and varnish comprising menhaden oil, paraffin, 15 benzol, and methyl alcohol.

10. A preparation for removing paint and varnish comprising menhaden oil, paraffin, benzol, methyl alcohol, and an essential oil.

11. A preparation for removing paint and 20 varnish comprising menhaden oil, paraffin, benzol, methyl alcohol, and oil of peppermint.

12. A preparation for removing paint and varnish comprising menhaden oil, paraffin, benzol, methyl alcohol, oil of peppermint, 25 and acetic acid.

13. A preparation for removing paint and varnish comprising, by volume, eight parts benzol, three parts methyl alcohol, two-thirds 30 parts menhaden oil, two-thirds parts paraffin and one-thirtieth part oil of peppermint.

14. A preparation for removing paint and varnish comprising, by volume, eight parts benzol, three parts methyl alcohol, two-thirds 35 parts menhaden oil, two-thirds parts paraffin, one-thirtieth part oil of peppermint, and one-thirtieth part concentrated acetic acid.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM STUHMILLER.

Witnesses:

HERBERT H. GIBBS,

WM. ASHLEY KELLY.