

UNITED STATES PATENT OFFICE.

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POLISH.

No Drawing.

Application filed January 27, 1927. Serial No. 164,127.

My invention relates to a polish suitable for cleaning and polishing any hard surface such as metal, leather, varnished or painted surfaces, inclusive of furniture and automobiles and the like.

It is an object of this invention to compound a polish which is easily prepared and applied, which will do the work efficiently with little effort and leave a polished surface which is dust, water and finger proof.

My invention consists in the composition of matter hereinafter described and claimed.

I first prepare an aqueous solution of soap, taking the soap, such as castile soap, using 1 1/4 lbs. to 3 gal. water, and to

1 part of the soap solution thus prepared, I add

6 parts gasoline

1 part eucalyptus oil and

thoroughly mix the same to make a homogeneous mixture which will assume the form of a soft jelly. The soap solution acts as an emulsifying agent to the gasoline and eucalyptus oil. The gasoline has the function of dissolving grease and other dirt. The eucalyptus oil being an essential oil, not only dissolves grease and other matters not attacked by the gasoline, but when the polish is rubbed off from the surface treated, leaves an invisible film which, with the oxidization of the air, will leave a hard dust and water-proof finish.

For ordinary polishing purposes the above composition will quickly and easily polish.

In the application a small quantity is applied with a soft cotton cloth or brush and the surface is rubbed until clean, then the surface is wiped clean with a soft cotton or a silk cloth.

My polish is suitable for ordinary polished surfaces and soft metals like silver and nickel, but where an abrasive is desired for quicker scouring action I may add infusorial earth, taking 1 part by volume to 8 parts of my composition. If an abrasive with a sharper "tooth" is desired, powdered silica of 1/200 mesh may be substituted for the infusorial earth, or a mixture of the two may be used.

While the eucalyptus oil leaves an invisible hard polish film it is sometimes desirable to

deposit a stronger and harder film, which I do by incorporating a minute quantity of wax in my composition, which after the polish has been rubbed off from the surface treated, leaves a hard polish film. In order to incorporate the wax I preferably proceed as follows: I use 1 part of carnauba wax and dissolve the same in 6 parts eucalyptus oil. In place of carnauba wax beeswax or other waxy material may be used. I add about 1 per cent of the wax solution to 100 percent of the polish above described. The ratio of the wax solution may be increased, but any increase of the solution will add to the labor required in polishing the surface without materially increasing the beneficial effects thereof.

In place of gasoline any other volatile solvent such as alcohol, acetone and benzol may be substituted, or a combination of two or more of the volatile solvents may be used, and in place of the eucalyptus oil any other essential oil such as turpentine, oil of bergamot, oil of cinnamon, may be used, but they are not as efficient as eucalyptus oil.

While best results will be obtained by adhering to the proportions stated rather closely, good results may also be obtained by varying the proportions of the ingredients, as will be understood by those skilled in the art, without departing from the spirit of my invention as claimed.

I claim:

1. A polish in the form of a jellified emulsion comprising a relatively large quantity of gasoline, a relatively small quantity of an essential oil, soap and water.

2. A polish in the form of a jellified emulsion comprising a relatively large quantity of gasoline, a relatively small quantity of eucalyptus oil, soap and water.

3. A polish in the form of a jellified emulsion comprising a relatively large quantity of a volatile solvent, and a relatively small quantity of an essential oil, soap, water and an abrasive.

4. A polish in the form of a jellified emulsion in the proportions stated:

Gasoline-----	6 parts	100
Eucalyptus oil-----	1 part, and an	
Aqueous solution of soap----	1 part,	

prepared by dissolving $1\frac{1}{4}$ lbs. of soap in 3 gal. water.

5. A polish in the form of a jellified emulsion in the proportions stated:

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| 5 | Gasoline----- | 6 parts |
| | Eucalyptus oil----- | 1 part |
| | Aqueous solution of soap, prepared by $1\frac{1}{4}$ lb. soap in 3 gal. water----- | 1 part. and |
| 10 | Infusorial earth----- | 1 part. |
6. A polish in the form of a jellified emul-

sion comprising a volatile solvent, an essential oil, soap, a waxy material and water.

7. A polish in the form of a jellified emulsion comprising gasoline, eucalyptus oil, soap, carnauba wax and water. 15

8. A polish in the form of a jellified emulsion comprising gasoline, eucalyptus oil, soap, wax, water and an abrasive.

In testimony whereof I have signed my name to this specification. 20

GEORGE W. DARLINTON.