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UNITED STATES PATENT OFFICE.

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POLISH FOR AUTOMOBILES, FURNITURE, ETC.

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To all whom it may concern:

Be it known that I, EDZELL N. WYLLIE, a citizen of the United States, and resident of Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Improvement in a Polish for Automobiles, Furniture, Etc., of which the following is a specification.

This invention relates to polishing compositions for cleansing and polishing painted, enameled or varnished surfaces, such as automobiles, furniture, and the like.

The primary object of the invention is the provision of a cleansing and polishing composition of few and chemically inert ingredients that will not act injuriously upon the paint or varnish and so will not whiten the surface or render it streaked.

A further object of the invention is the provision of an emulsion for cleansing and polishing consisting of water, powdered whiting and a heavy lubricating oil having a paraffin base to which has been added a minute quantity of turpentine, the oil and water being emulsified while cool by rapid agitation in a vertical plane only.

Other objects and advantages will be apparent from the following description of the compound and the method of preparing same.

In preparing the compound I prefer to use the ingredients in about the following proportions per gallon, viz.

	Ounces.
Water	32
Whiting	31½
Lubricating oil from a paraffin base	64
Turpentine	½

The whiting and turpentine may be the usual commercial articles, it being unnecessary to utilize the chemically pure ingredients, while the water is preferably distilled or soft water. The lubricating oil may be of various viscosities and several of the residuum oils from the original distillation of the crude oil from Pennsylvania petroleum has been found to work satisfactorily. Other petroleums having a paraffin base can also be used.

The several ingredients co-act to form a polish of high quality, the whiting acting as a cleaner and burnisher, the turpentine serving as a solvent of any wax or oily substances that may be on the surface being cleaned, the lubricating oil serving as a cleaner and imparting lustre to the clean surface, while the water serves as a vehicle for both the whiting and the emulsified lubricating oil.

The method of compounding is as follows:

First, to the water while cold the whiting is added in relatively small proportions and the mixture stirred until the water has taken up the whiting to the point of saturation; additional whiting is then added until almost as much whiting is included as water; second, the turpentine is added to the lubricating oil while both are cool and stirred thoroughly; third, the oil and turpentine mixture is introduced into the whiting and water mixture and the resultant agitated in a vertical plane only until an emulsion is formed. I have found that by the up and down agitating motion I can secure a very stable emulsion, while a stirring or rotary motion will not cause the oil and water to commingle.

The composition will then be in condition for use or may be bottled or canned until needed.

The simplicity of the method of mixing, and the fact that all the ingredients can be handled without preliminary heating, renders the making of my composition a step forward over those now on the market, while the non-injurious nature of the ingredients employed safeguard the surfaces to be cleaned against deleterious chemical action.

In using my composition a soft cloth or sponge is saturated with the composition and rubbed over the surface to be cleaned. The rubbing should be sufficiently hard to remove the dirt, but if the entire surface is first coated with my composition and then removed by rubbing with a clean dry cloth it will be found that the entire surface has been cleaned and polished without undue exertion upon the part of the operator. My composition will not dry quickly upon exposure to the atmosphere, and may be readily removed from the surface when rubbed with a dry cloth.

Having described my invention, I claim

The process of making cleansing and polishing compositions consisting of first

mixing a quart of powdered whiting with a quart of water while cold; then mixing substantially one-half ounce of turpentine in one-half gallon of lubricating oil from a paraffin base, while both are cold, then pouring the oil and turpentine mixture into the whiting and water mixture and rapidly agitating the resultant compound in a vertical plane only until an emulsion is formed.

In witness whereof I hereunto set my hand and seal.

EDZELL N. WYLLIE. [L. S.]

Witnesses:

VIOLET HOZELTON WYLLIE,

REX FRYE.