June 20, 1939. L. B. LEAVITT ET AL 2,163,046

POLISHING PAD PACKAGE AND METHOD OF PREPARING SAME

Filed July 5, 1938

Fig. 1

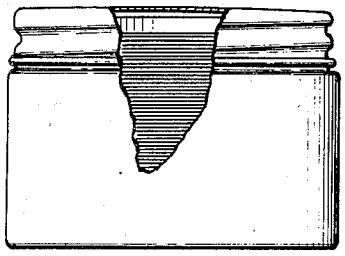


Fig. 3



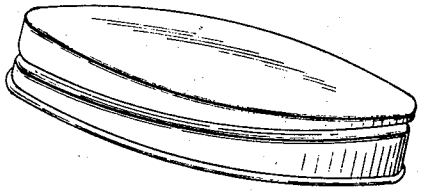


Fig. 5

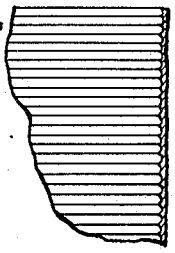


Fig. 2

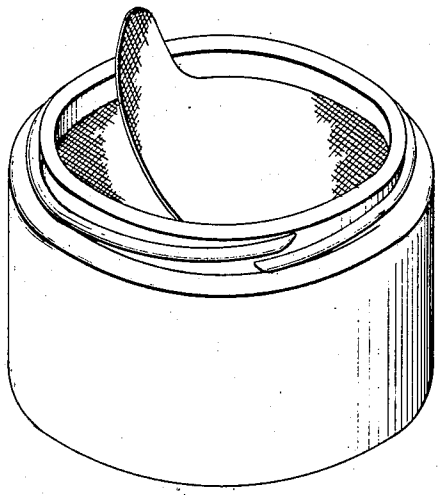
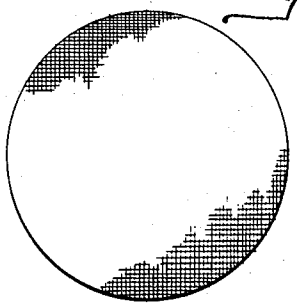


Fig. 4



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POLISHING PAD PACKAGE AND METHOD OF PREPARING SAME

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2 Claims. (Cl. 206—46)

This invention relates to a novel package of cleansing and polishing pads and the method of packaging same in such a manner that the respective fabric pads which are thoroughly impregnated with the desired color of shoe polish, may be individually and successively withdrawn as needed and used, and thence thrown away after use.

Most presently known so-called white shoe cleaners and polishes are of the solution type usually sold in a bottle and consist chiefly of an aqueous base with white pigments therein which are applied in various ways to the shoes. Such products have very distinct disadvantages, especially to travelers and others who cannot conveniently carry and periodically apply such cleaners and polishes to the shoes. One of the well known objections to liquid type polishes in bottles is that the contents "cake" and age; that they have a very undesirable odor which often stays with the shoes for a considerable time, that some of the liquid polish is spilled upon the floor, and that it is impractical and virtually impossible for a traveler to carry with him a bottle of such liquid composition and apply it on short notice and quickly. Our invention eliminates all of the objectionable and undesirable features which are either associated with or incident to use of presently known bottle-contained liquid solution polishes, and has as one of its objects the provision of a package, the container of which is of any suitable material, such as glass, metal or other moldable material, and which includes a pack of adjacent superposed pads of fabric or the like having absorbent properties, said pads being impregnated with an emulsion and combined pigment, the pads forming individually removable and individually usable units adapted to be thrown away after use.

A further important object of our invention is the provision of a package of superposed individually removable circles or fabric pads with which there has been combined desirable proportions of wax emulsion and coloring pigments, the latter forming highly satisfactory polishing and coloring composition for shoes or the like.

A further important object of our invention is the provision of a method of forming a package of the above-described class, including the preparation and assembly of a plurality of individually removable and usable impregnated pads adapted for cleansing, coloring and polishing shoes or the like.

Other important objects of the invention will be apparent from the following description and claims and accompanying drawing.

This invention (in a preferred illustrated form) is illustrated and described in the following description.

On the drawing:

Fig. 1 is a side elevational view of a complete package of polishing pads enclosed in a suitable container, and having parts broken away to expose the superposed pads.

Fig. 2 is a perspective view of the package of pads similar to Fig. 1, and having one of the polishing pads upturned.

Fig. 3 is an enlarged magnified view of a cross section of a segment of one of the impregnated fabric pads.

Fig. 4 is a top plan view of one of the fabric pads prior to its impregnation with the composition herein described.

Fig. 5 is a cross sectional view of an enlarged corner fragment of a stack of polishing pads prepared according to our invention.

Referring to the drawing, reference numeral 10 designates a container which may be of glass, metal or other suitable material and which may be in the form of a jar or can having screw-threaded upper edge 12 which is adapted to receive a screw top closure cap 11, which is preferably made of metal and to fit the threaded portion 12 of the container 10. The container or jar 10 may be of any desired shape, though a round shape is preferable, and may be of any desired depth to accommodate the desired number of superposed impregnated pads. For example, we utilize a relatively shallow jar, though of equal diameter, for a "travel" package adapted to be carried in the grip or purse.

Reference numeral 13 designates a plurality of circles or pads formed by die-cutting from a woven cloth fabric of suitable absorbent material, the size thereof being preferably slightly smaller than the interior of the container or jar. Referring to Fig. 3, numerals 13*a* and 13*b* designate the longitudinal and cross interwoven threads respectively of the absorbent fabric 13 to which the emulsion composition is applied in the herein described manner.

The composition which is applied is first made by mixing an emulsion of carnauba wax with a suitable pigment, for example, titanium dioxide, to form a mass having approximately the consistency of thin syrup. Also, I may use either carnauba wax or a combination of carnauba wax and other waxes combined with dye pigments. Such mixing is preferably by suitable mechanical

means. It is also advisable to add a pleasant perfume so that the final pads would have a pleasant fragrance and be free from undesirable chemical odors such as nitrobenzol. The individual die cut pads are then immersed into the mixed composition and then withdrawn and the excess composition is either squeezed out or partly scraped off and the pads superposed one upon the other to form a cylindrical or columnar body. Any other equivalent means of applying the composition may be used, as for example, spraying or by means of a brush or other suitable tool. The individual fabric pads, after application of the composition as above illustrated, have a composition coating 14 on the opposite flat sides of the pad and also have such composition adhering to the peripheral edges of the pads to also coat such edges.

When the pads are superposed into a columnar or cylindrical body the respective coated edges of the pads overly each other and due to the relatively soft consistency of the composition, the composition upon the superposed overlying edges sticks together or "merges" to a degree sufficient to form a unitary substantially complete coating or covering of the composition material about the side wall or walls of the mass or body of pads and thereby preventing air from entering between the respective pads to cause undesirable drying.

In the formation of "stacking" of certain types of fabric pads whose texture is not completely soft and yielding, or where the cutting operation of the pads causes a packing down of the fibrous material along the edges, such edges will consequently be slightly thinner than the remainder of the pad, and when stacked or superposed, annular cracks or spaces will remain between the adjacent superposed edges. This is illustrated in cross section in Fig. 5. In such instances, we apply an additional amount of coloring and polishing composition to the exterior of the columnar stack or pack of pads to form an exterior coating which fills up such cracks or interstices and renders the pack of pads substantially impervious to the drying action of the air, which, as stated, is to be avoided during the relatively long interval between manufacture and actual use by the consumer.

Various changes may be made in the embodiment of the invention herein specifically described without departing from or sacrificing any of the advantages of the invention or any features thereof, and nothing herein shall be construed as limitations upon the invention, its concept or structural embodiment as to the whole or any part thereof except as defined in the appended claims.

We claim as our invention:

1. In a package whose interior portions are substantially impervious to air, a plurality of superposed absorbent fabric pads lying one upon the other and forming a substantially cylindrical pack or body, each of said pads being coated and impregnated with a composition having cleansing, coloring and polishing properties, said cylindrical pack having coating of said composition upon its exterior surfaces and between the respective peripheral edges of adjacent pads.

2. In a substantially cylindrical package of shoe cleansing and polishing pads, a plurality of substantially circular superposed pads formed from absorbent fabric, the annular edges of said pads lying one above the other though forming annular cracks between adjacent the edges of adjacent pads, coatings of cleansing and polishing composition on both flat sides of each of said pads and a coating of cleansing and polishing composition on the top, bottom and annular wall of said pack and filling said annular cracks to render the pack of coated pads substantially impervious to air.

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