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APPLICATOR

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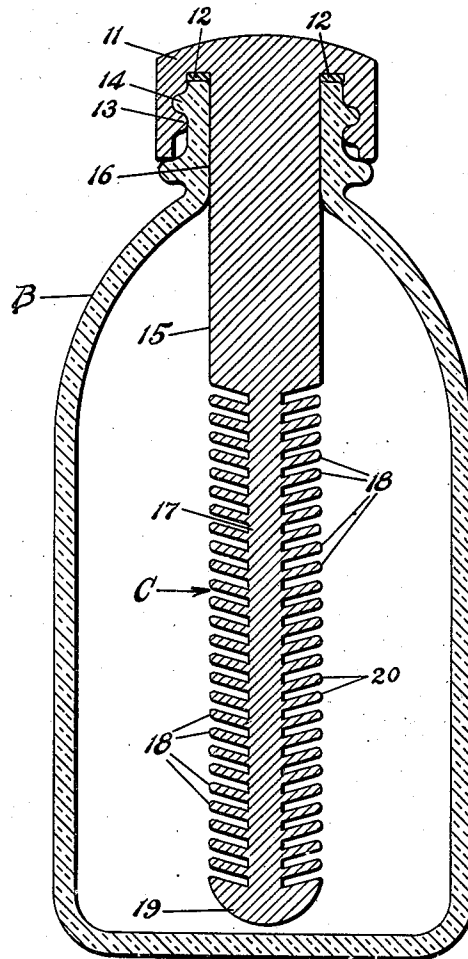


Fig. 1

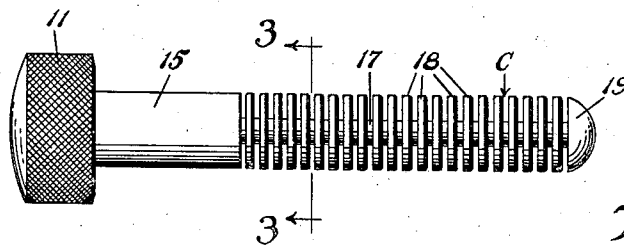


Fig. 2

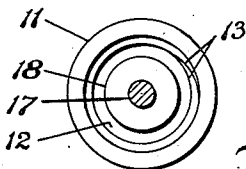


Fig. 3

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APPLICATOR

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1 Claim. (Cl. 128—267)

The principal object of my invention is the provision of a device for the application of liquid and emulsified products, such as hair tonic, wax, oil, shampoo, etc., to the scalp.

5 An important object is the provision of a device readily facilitating such application and which may be applied in a rotating manner thru the hair, and, in the application thereof, invigorate the scalp as well as thoroughly diffuse the material therewith applied.

10 A further object of the device is the provision of a means for the application of various hair and scalp materials without muss or waste, and in the application whereof, the hands of the applier are not brought into direct contact with the material.

15 And a further object of the herein invention is the provision of a device which may readily be produced in varying designs and colors, and of rubber composition, Celluloid and compositions of similar type, molded to form, and light in weight adapted to form a closure means for the bottle containing the contents with which it is used.

25 Other objects and advantages of the invention will more fully appear as this specification proceeds and as is set forth in the appended claim.

I attain these objects by the device illustrated in the accompanying drawing, in which:

30 Figure 1 is a vertical section on an enlarged scale through the applicator and a bottle to which it is attached;

Figure 2 is an elevation of the applicator;

Figure 3 is a section on line 3—3 of Figure 2.

35 Similar numerals of reference indicate like parts thruout the several views, and in Figure 1 the bottle proper is indicated by B.

Integrally a part of the applicator is a cap or closure 11 provided with a gasket 12 which together serve to seal the bottle against leakage and create an air tight vacuum when the applicator stem C is in contact with the bottle and the cap thereto engaged. The cap or closure also serves as a grip for the hand of the applier when the applicator is used. It may be knurled as shown or otherwise ornamented and is threaded internally as at 13 so as to mate with threads 14 exteriorly on the bottle neck. Said cap, too, in place of being flat as shown, may by way of ornamentation embrace any number of suitable designs, a doll head or animal head, for example, which would also further serve as a handle means in lieu of the finger gripping means the flat headed cap shown provides.

55 A grip extension 15 is provided which extends

co-axially from the inside of the cap. It is designed to be a slip fit for the inside of the bottle neck as at 16. A further co-axial extension thereof, but at a relatively reduced size and comprising a stem 17 is provided. It serves to support annular teeth 18 which are of the same diameter as the grip extension. Said teeth are integrally formed with the stem and may be slightly cone shaped although relatively shallow to trap a quantity of the liquid contents of the bottle and whereby said contents are conveyed from within the bottle upon removal of the applicator therefrom.

In lieu of a final annular tooth, the tooth adjacent the tip of the stem is thickened and rounded as at 19 so as to facilitate insertion of the applicator into the neck of the bottle, and also, to provide a smooth object in the use of the applicator when rotating upon the scalp of the user.

The teeth are further slightly rounded at the periphery 20 as is best observed in Figure 1. This, too, as a matter of safety on the one hand, and also so as to the better facilitate the retention of the liquid upon withdrawing of the applicator from the bottle. Moreover, the annular spacing therebetween may readily be of different extremes. Liquids of a very thin fluidic base would obviously require less space than those of a heavier or jellied base. For said reason, the applicator may be produced having its teeth in assorted widths to meet the varying conditions under which it is to be used, different applicators therefore would be adapted to materials of different consistency. It may further be produced in varying sizes in keeping with the varying sizes of bottles with which it is to be used. Further qualified, the teeth 18 may be said to comprise a plurality of disk-like members which surround a comparatively small stem and are formed integral therewith, and in close space relation with one another so as to define a plurality of annular liquid retaining spaces therebetween, with said spaces slanted and relatively wider than the diameter of the stem. Thus the annular members or teeth 18 are in the nature of relatively thin and wide annular flanges which due to the inclination or slant thereof forms annular and relatively wide and somewhat conical liquid retaining cups, from the annular lips off which the liquid will flow during use of the applicator.

In use, the applicator is merely withdrawn from the bottle for which it provides a closure means, the withdrawing thereof carrying therewith a portion of the contents of the bottle. It is retained by the annular teeth and carried there-

by to the scalp of the user, who, in applying the same, manually rotates the applicator through the hair, or in and about the same as may be desired; said handling of the applicator causing the substance thereon contained to flow therefrom or be otherwise diffused with the hair and to contact the scalp.

Readily produced in any desired size to meet the varying sizes of bottles it is intended to be used with, and from material procurable in the open market and at no great cost, the device readily commends itself for its ease of applying and cleanliness, as well as the satisfactory results therewith obtained.

I am aware that slight modifications may from time to time be made in the details of structure

illustrated without departing, however, from the scope of the present invention, and as defined in the claim which is appended hereto. Hence, I do not limit my present invention to the exact description herein disclosed, but what I do claim is:

An applicator comprising a stem, and plurality of annular disk-like flanges surrounding and supported by said stem in closely spaced relation to one another and being inclined upwardly and outwardly from the stem for forming a plurality of annular pockets therebetween, the end flange on said stem being of increased thickness and rounded on its outer face.

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