

June 26, 1945.

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2,379,330

MASSAGING AND SHAMPOOING SCALP BRUSH

Original Filed Dec. 12, 1941

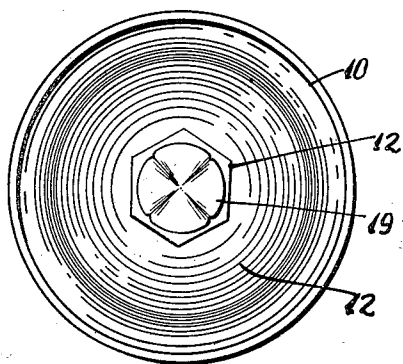


FIG. 1.

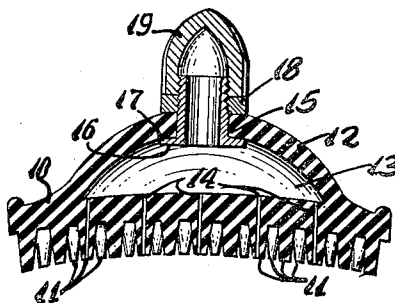


FIG. 2.

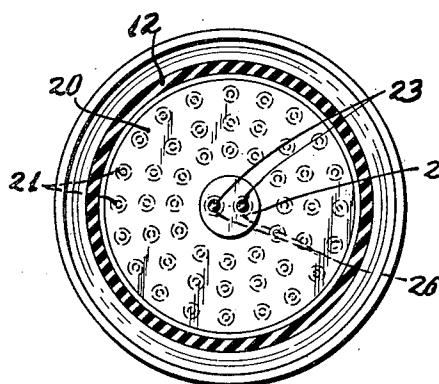


FIG. 7.

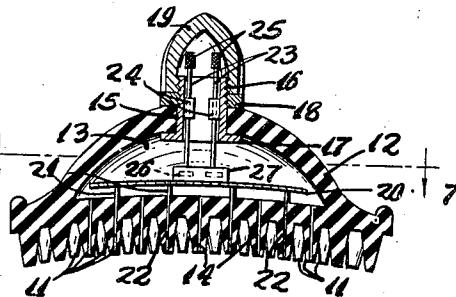


FIG. 6.

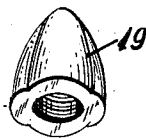


FIG. 3.

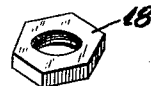


FIG. 4.

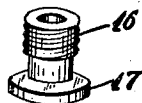


FIG. 5.

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2,379,330

MASSAGING AND SHAMPOOING SCALP
BRUSH

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Substituted for abandoned application Serial No.
422,639, December 12, 1941. This application
May 1, 1944, Serial No. 533,477

4 Claims. (Cl. 15-122)

This invention relates to new and useful improvements in a massaging and shampooing scalp brush.

The present application is a substitute of my abandoned application filed on December 12, 1941, Serial Number 422,639.

The invention contemplates characterizing the scalp brush by a rubber body having a plurality of projecting massaging fingers or bristles on its bottom face and having a hollow top protuberance forming a liquid holding compartment from which a plurality of small passages extend through certain of said fingers or bristles. With this arrangement massaging fluid liquid soap, shampoo or other desired medication may be placed within said compartment and then the brush used upon the scalp so that the fingers or bristles massage the same without waste or derangement. During this operation the liquid will seep through said small passages to moisten and massage the scalp. The amount of liquid coming through the passages may be controlled by the hand pressure.

The invention further contemplates a simple and effective construction which permits placing of liquid into said leakproof compartment, and holding this liquid from spilling during the massaging or shampooing operation.

The invention also contemplates a modified form in which means is provided for controlling the stiffness of the massaging fingers or bristles.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure—

Fig. 1 is a plan view of a massaging and shampooing scalp brush constructed in accordance with this invention.

Fig. 2 is a vertical sectional view of the brush shown in Fig. 1.

Fig. 3 is a perspective view of the cap of said massaging and shampooing brush.

Fig. 4 is a perspective view of a certain nut thereof.

Fig. 5 is a perspective view of a certain tube thereof.

Fig. 6 is a sectional view similar to Fig. 2 but illustrating the modified form.

Fig. 7 is a horizontal sectional view taken on the line 7-7 of Fig. 6.

The massaging and shampooing scalp reser-

voir brush, in accordance with this invention, includes a rubber body 10 having a plurality of projecting massaging and shampooing fingers or bristles 11 on its bottom face. The body 10 also has a hollow projecting protuberance 12 forming a liquid compartment 13. A plurality of small passages 14 extend from the liquid compartment 13 through certain of the fingers 11. The protuberance 12 is formed with an opening 15 through which liquid may be placed into the compartment 13. An effective means is provided for sealing said opening 15 when desired, thus making it leak-proof. The bottom extremities of the fingers 11 are disposed in a concaved surface to simulate the curvature of the head.

A tube 16 is engaged through the openings 15. This tube 16 has a bottom flange 17 which engages the material surrounding the opening 15. A nut 18 threadedly engages upon the outer end of the tube 16, although this tube may be vulcanized into the rubber. A cap 19 of Bakelite or other composition material threadedly engages over the outer end of the tube 16, thus making it leakproof.

In Figs. 6 and 7 a modified form of the invention has been disclosed which is very similar to the prior forms distinguishing merely in the fact that a plate 20 is disposed within the liquid compartment 13 and is provided with a plurality of projecting pins 21 which engage into passages 22 formed in certain of the fingers 11. Means is provided for holding the plate 20 in selected elevated positions. This means includes screws 23 threadedly engaged through lugs 24 which are mounted on the inner face of the tube 16. The top ends of the screws 23 are provided with heads 25 by which the screws may be manually turned. The bottom ends of the screws 23 are provided with heads 26 which are rotatively mounted in a plate 27 which is attached upon the plate 20.

In other respects this form of the invention is identical to the previous form and like parts are identified by like reference numerals.

When the cap 19 is removed the screws may be turned to raise or lower the plate 20 which engages the pins 21 to various depths into the passages 22. This controls the stiffness of the fingers 11 into which the pins project. While the cap 19 is open the massaging tonic or shampooing liquid may be poured into the liquid compartment 13 through the top end of the tube 16.

The massaging and shampooing scalp brush, in accordance with this invention, is intended to be

held in one hand by engaging the palm over the top of the article and with the fingers gripping the edge portions. With the article in this position, it may be easily engaged on the scalp and vigorously moved backwards and forwards so that the massaging and shampooing fingers massage and shampoo the scalp effectively. The massaging tonic or shampooing liquid will seep out through the passages 14 and moisten the hair and scalp without waste or derangement. The amount of liquid coming through the passages may be controlled by the pressure on the brush.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. A massaging and shampooing scalp reservoir brush, comprising a rubber body having a plurality of projecting massaging fingers on its bottom face and having a hollow top protuberance forming a liquid holding leakproof compartment from which a plurality of small passages extend through certain of said fingers, a tube mounted through the top of said hollow top protuberance, a cap removably mounted on said tube, a plate within said liquid compartment having projecting pins engaging into passages formed in certain of said fingers, and means for holding said plate in selected elevated positions, comprising screws threadedly engaged through lugs mounted upon said tube, and said screws being rotatively connected with said plate.

2. A massaging and shampooing scalp reservoir brush, comprising a rubber body having a plurality of projecting massaging fingers on its bottom face and having a hollow top protuberance forming a liquid holding leakproof compartment from which a plurality of small passages extend through certain of said fingers, a tube mounted through the top of said hollow top protuberance, a cap removably mounted on said tube, a plate within said liquid compartment having projecting pins engaging into passages

formed in certain of said fingers, and means for holding said plate in selected elevated positions, including screws having their bottom ends rotatively connected to said plate, their intermediate portions threadedly engaging fixed portions of said rubber body and their top ends normally covered by said cap.

3. A massaging and shampooing scalp brush, comprising a rubber body having a plurality of massaging fingers projecting from the bottom face of its bottom wall and certain of said fingers being formed with small passages through which liquid is adapted to pass from the interior to the exterior of said body, a tube projecting upwards from the top wall of said body, a cap removably mounted on the extended end of said tube, a plate within said body, lugs formed on the inside of said tube, and screws having their bottom ends rotatively connected to said plate and projected rotatively through said lugs, whereby said screws may be rotated to move said plate to engage the inner face of said bottom wall to close said small passages and prevent liquid from passing through said small passages.

4. A massaging and shampooing scalp brush, comprising a rubber body having a plurality of massaging fingers projecting from the bottom face of its bottom wall and certain of said fingers being formed with small passages through which liquid is adapted to pass from the interior to the exterior of said body, a tube projecting upwards from the top wall of said body, a cap removably mounted on the extended end of said tube, a plate within said body, lugs formed on the inside of said tube, and screws having their bottom ends rotatively connected to said plate and projected rotatively through said lugs, whereby said screws may be rotated to move said plate to engage the inner face of said bottom wall to close said small passages and prevent liquid from passing through said small passages, and means facilitating the rotation of said screws to move said plate, comprising knurled knobs mounted on the top ends of said screws and projected beyond the top end of said tube to be easily gripped for manual rotation, said knobs being arranged to extend into the hollow top portion of said cap when said cap is in position on said tube.

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