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F. E. CRIMMINS

2,336,717

HAIR AND SCALP TREATING DEVICE

Filed Feb. 2, 1943

Fig. 1.

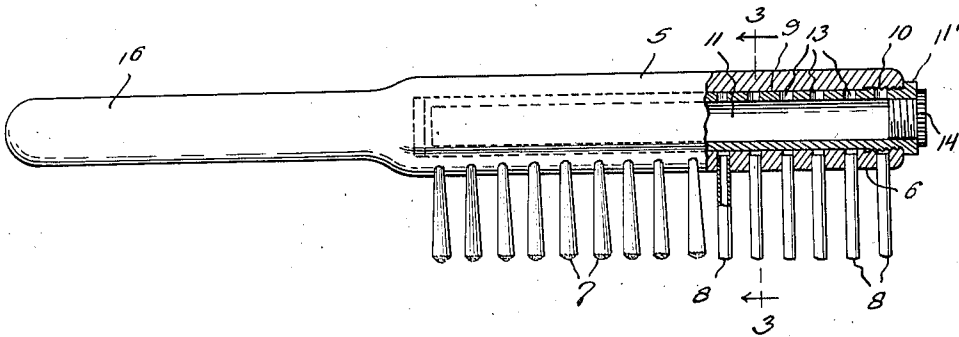


Fig. 2.

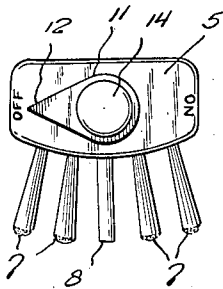


Fig. 3.

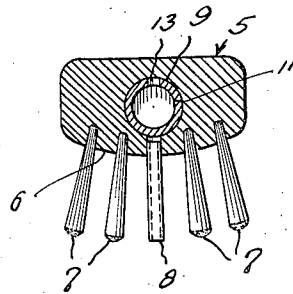
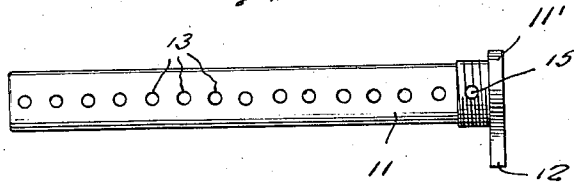


Fig. 4.



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UNITED STATES PATENT OFFICE

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HAIR AND SCALP TREATING DEVICE

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1 Claim. (Cl. 15—124)

This invention relates to a hair and scalp treating device, and has for the primary object the provision of an efficient and inexpensive device of the above stated character which will permit a desired amount of treatment fluid to be applied to the hair and scalp and to be thoroughly worked into the pores of the scalp by employing the device with a brushing or massaging action on the scalp.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a side elevation, partly in section, illustrating a hair and scalp treating device constructed in accordance with my invention.

Figure 2 is an end elevation illustrating the device.

Figure 3 is a transverse sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a plan view illustrating a liquid container.

Referring in detail to the drawing, the numeral 5 indicates a body of the device which is of elongated formation and substantially rectangular shaped in cross section and provided with an arcuately curved face 6 in which are formed rows of openings extending substantially the full length of the body. Some of the rows of openings have mounted therein tufts of bristles 7 while another row of openings has mounted therein flexible tubular members 8 of substantially the same length as the tufts of bristles. It is preferable that the tubular members be located so that there will be a pair of rows of tufts of bristles on each side thereof. The openings which receive the tubular members 8 communicate with a chamber 9 formed in the body. The chamber opens outwardly through one end of the body and the wall adjacent to the open end of the chamber is screw threaded, as shown at 10.

Removably mounted within the chamber is a tubular container 11 screw threaded to match the screw threads 10 for removably securing the container within the chamber. One end of the chamber is fully closed and the other end has formed thereon a flange 11' provided with a pointed portion forming an indicator 12 movable relative to one end of the body 5. Said end of the body has thereon indicia reading "on" and

"off," as shown in Figure 2. The container 11 has a plurality of openings or ports 13 adapted to be moved into and out of alignment with the openings in which the tubular members 8 are mounted. The open end of the container is internally screw threaded to receive a plug-type screw threaded closure 14. The purpose of the closure 14 is to permit the container to be easily filled with a fluid for the purpose of hair and scalp treatment.

The container 11 adjacent the flange 11' is provided with a vent opening 15. The vent opening 15 is normally closed by the body 5 when the openings or ports 13 are positioned, as shown in Figure 1, out of communication with the openings of the flexible elements 8 and when the container is rotated to bring the ports 13 in alignment with the openings of the flexible elements 8 the vent opening 15 becomes uncovered to allow atmospheric pressure to reach the contents of the container.

A handle 16 of any desired construction is formed on one end of the body so that the device can be easily handled with a brushing or massaging action.

In operation, after the container 11 has been filled with a fluid having the qualities of treating the scalp and hair, the indicator 12 is moved to the character "on" so that the ports 13 align with the openings of the flexible elements. The device is then moved through the hair with a brushing action and the fluid is applied directly to the scalp by flowing through the flexible elements 8. The flow of fluid on the scalp can be discontinued by simply moving the indicator 12 to the character "off." The use of the device then may be continued with a brushing or massaging action on the scalp to thoroughly work the fluid into the pores of the scalp and thereby give the scalp a thorough massaging for the purpose of loosening the scalp and to thereby stimulate the growth of the hair.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of the invention as claimed.

Having thus described the invention, what I claim is:

In a scalp and hair treating device, an elongated body having a chamber arranged longitudinally thereof and opening outwardly through one end of said body and internally screw threaded at said end, tufts of bristles carried by said

body arranged in parallel rows, flexible tubular elements carried by said body and arranged in a single row and located between a pair of rows of the tufts of bristles, a tubular container rotatably and removably mounted in the chamber of the body and having ports movable into and out of registration with the flexible elements, screw threads on said container coacting with the threads of the chamber to removably mount the container in the chamber with one end projecting outwardly of the chamber and fully open, a flange formed on said end of the container, said

5 container provided with a vent opening opened and closed by the relative movement of the container with respect to the body, a removable closure for the open end of the container, a handle on said body, said flange having a pointed portion forming an indicator movable relative to the end of the body, and indicia located on the body to cooperate with the pointer in designating the location of the ports of the container with respect to
10 the tubular elements.

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