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L. HELFRICH ET AL

2,031,774

FOUNTAIN COMB

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Fig. 1.

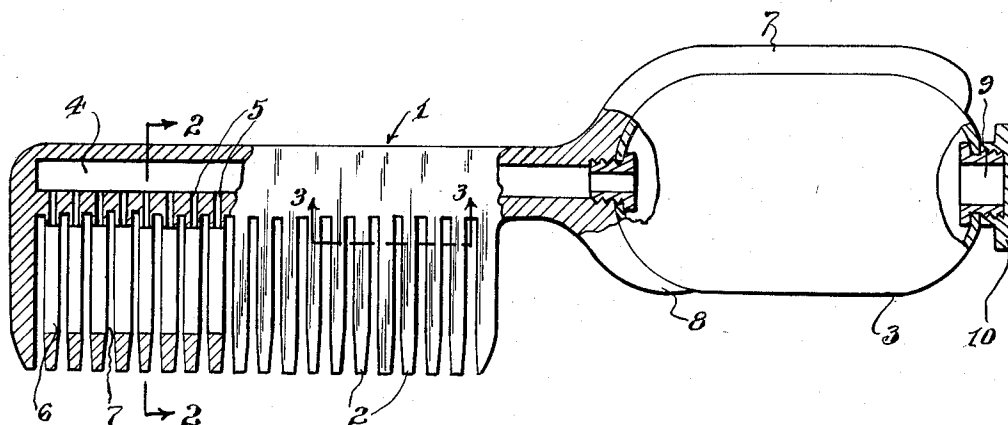


Fig. 2.

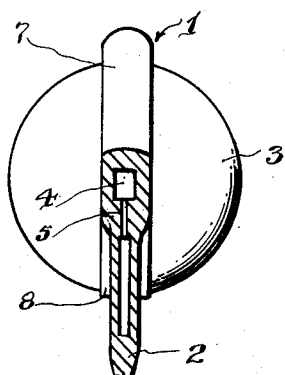


Fig. 4.

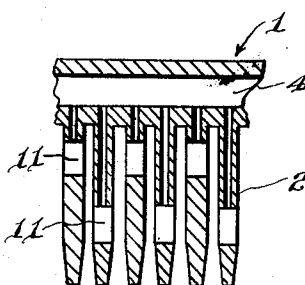
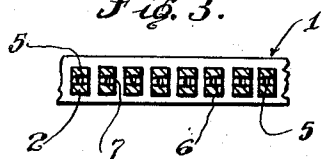


Fig. 3.



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FOUNTAIN COMB

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3 Claims. (Cl. 132-13)

This invention relates to the class of combs adapted to be used for hair treatments such as finger waving or the like.

The primary object of the invention is to provide a comb designed to be employed for treating the hair of the head of a person provided with means to thoroughly distribute through the hair a medicated treating liquid and to enable the liquid to be applied to all parts of the hair in proper proportions, and especially in instances where the hair is long and abundant in growth.

Other objects of the invention are to provide a form of comb having hollowed out teeth associated with a reservoir for holding a medicated liquid and means to permit the liquid in the reservoir to be fed at desired intervals to the teeth.

A still further object of the invention is to have the liquid outlets at the side of the teeth in order to more efficiently saturate the hair.

A still further object is to stagger the outlets to enable the liquid to reach all parts of the hair with a minimum amount of liquid.

With these and other objects in view, the invention will be hereinafter more particularly described with reference to the accompanying drawing, which forms a part of the specification, and will then be pointed out in the claims.

In the drawing:

Figure 1 is a side view of the comb partly in section.

Figure 2 is a section on line 2-2 of Figure 1.

Figure 3 is a section on line 3-3 of Figure 1.

Figure 4 is a sectional view of a modified form of the comb.

Referring now to the drawing in detail, numeral 1 designates the body of the comb, 2 the teeth and 3 the liquid reservoir made of rubber. The body of the comb is hollowed out forming a conduit 4. Leading from the said conduit are ports 5 which connect to the interior of the teeth. The teeth are hollowed out as at 6 with the outlet openings 7 at the sides.

The inner end of the body 1 of the comb is forked forming upper and lower arms 7 and 8 as best seen in Figure 2. Between these arms is the reservoir 3 for holding the hair treating liquid. At the extreme end of the reservoir is an opening 9 to pour in the liquid capped by a stopper 10.

In Figure 4 is shown a modified form of the teeth. The construction is the same as the teeth shown in Figure 1 with the exception that the hollowed out portions 11 of the teeth are staggered in relation to each other. The advantage of this construction is that the outlet openings are smaller than the teeth shown in Figure 1

and consequently there will be less liquid used. As the openings are staggered the liquid flowing from the teeth will be fairly well distributed.

To operate the device, the liquid is poured into the resilient reservoir 3 and pressure applied by the hand of the operator. This will force the liquid into the conduit 4 and thence into the teeth to saturate the hair of the person being treated.

In the foregoing description, we have embodied the preferred form of our invention, but we do not wish to be understood as limiting ourselves thereto, as we are aware that modifications may be made therein without departing from the principle and we therefore reserve to ourselves the right to make such changes as fairly fall within the scope of the appended claims.

Having described our invention, we claim:

1. In a device of the class described, a body portion having a conduit and provided with teeth, said body portion and said teeth being hollowed out, ports leading from said conduit to said teeth, each of said teeth having one outlet opening extending through the entire width of the teeth, the opening of every other tooth only being on line with each other and arranged substantially near the said conduit and the opening of the other teeth only being on line with each other and arranged substantially near the tips of said teeth so there will be a staggered relationship between the first and second mentioned set of teeth, and a flexible reservoir for holding a liquid attached to said body portion.

2. In a device of the class described, a body portion provided with teeth, said body portion and said teeth being hollowed out, ports leading from said body portion to said teeth, said teeth having outlet openings at the sides, and a flexible reservoir for holding a liquid attached to said body portion, said body portion provided with an upper and lower arm, one of the arms being longer than the other arm, said reservoir held by and in constant contact with said arms.

3. In a device of the class described, a body portion having a conduit and provided with teeth, said body portion and said teeth being hollowed out, ports leading from said body portion to said teeth, each of said teeth having one outlet opening extending through the entire width of the teeth, the opening of every other tooth only being on the line with each other and arranged substantially near the said conduit and the openings of the other teeth only being on line with each other and arranged substantially near the

tips of said teeth, so there will be a staggered relationship between the first and second set of teeth, and a flexible reservoir for holding a liquid attached to said body portion, said body portion provided with an upper arm and lower arm, the upper arm being longer than the lower arm, said reservoir held by and in constant contact with said arms.

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