

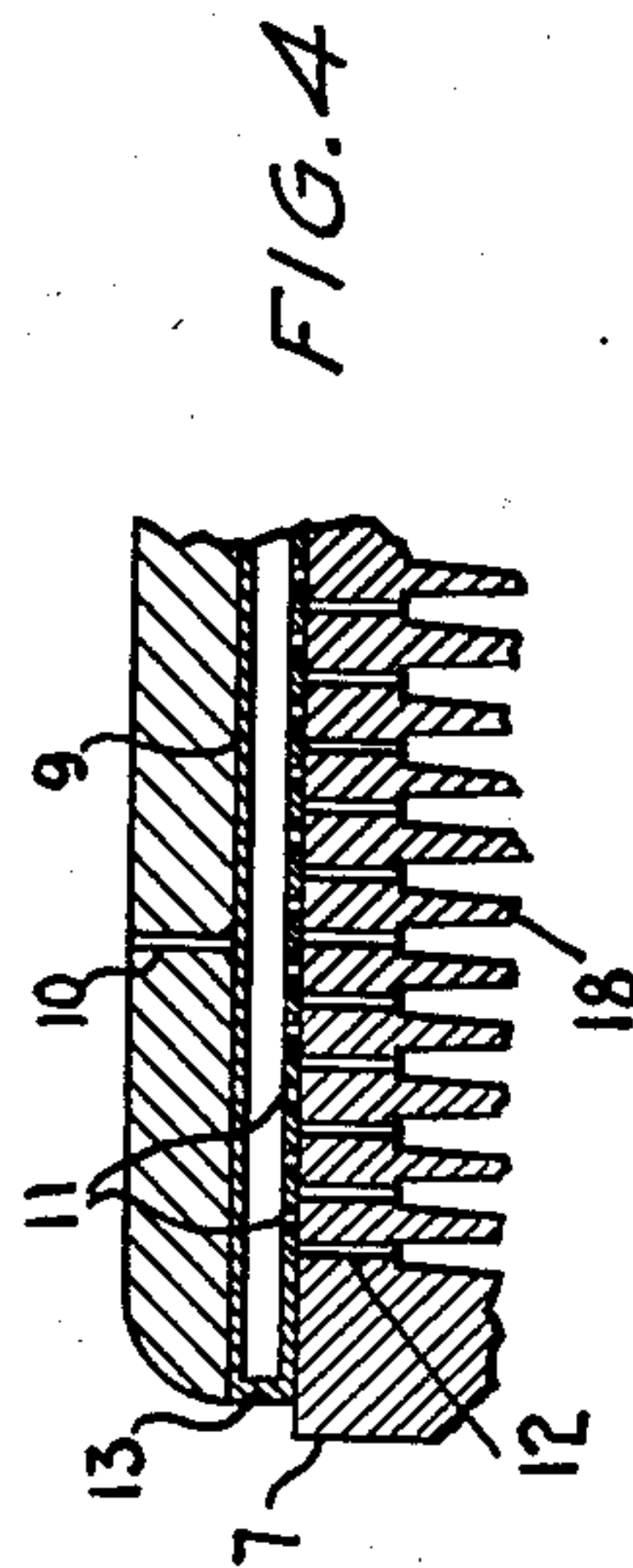
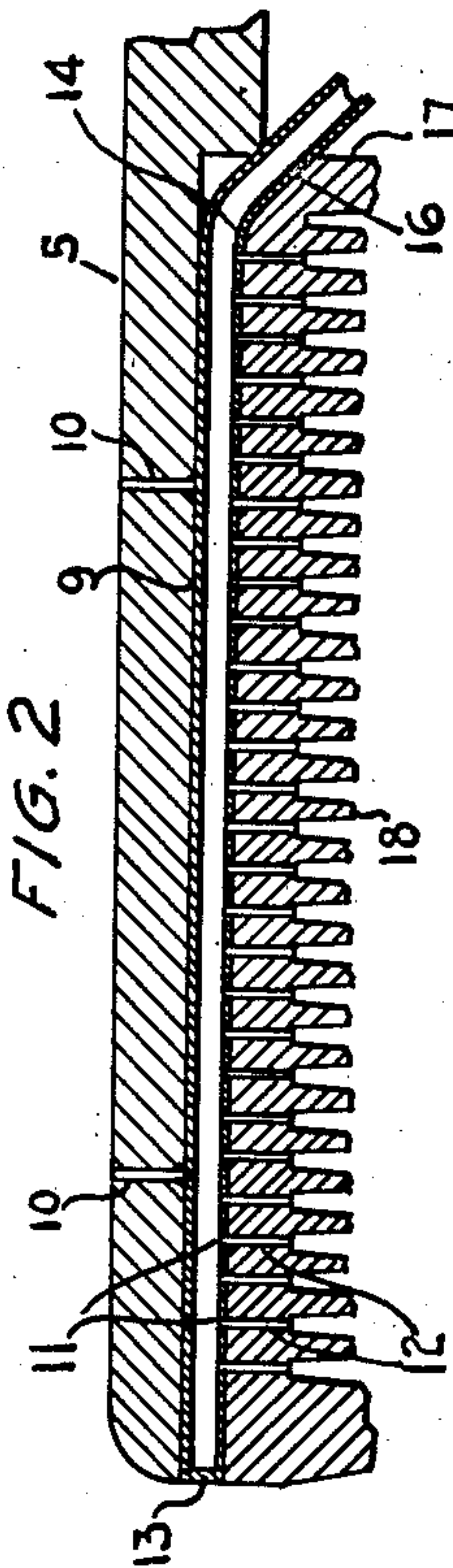
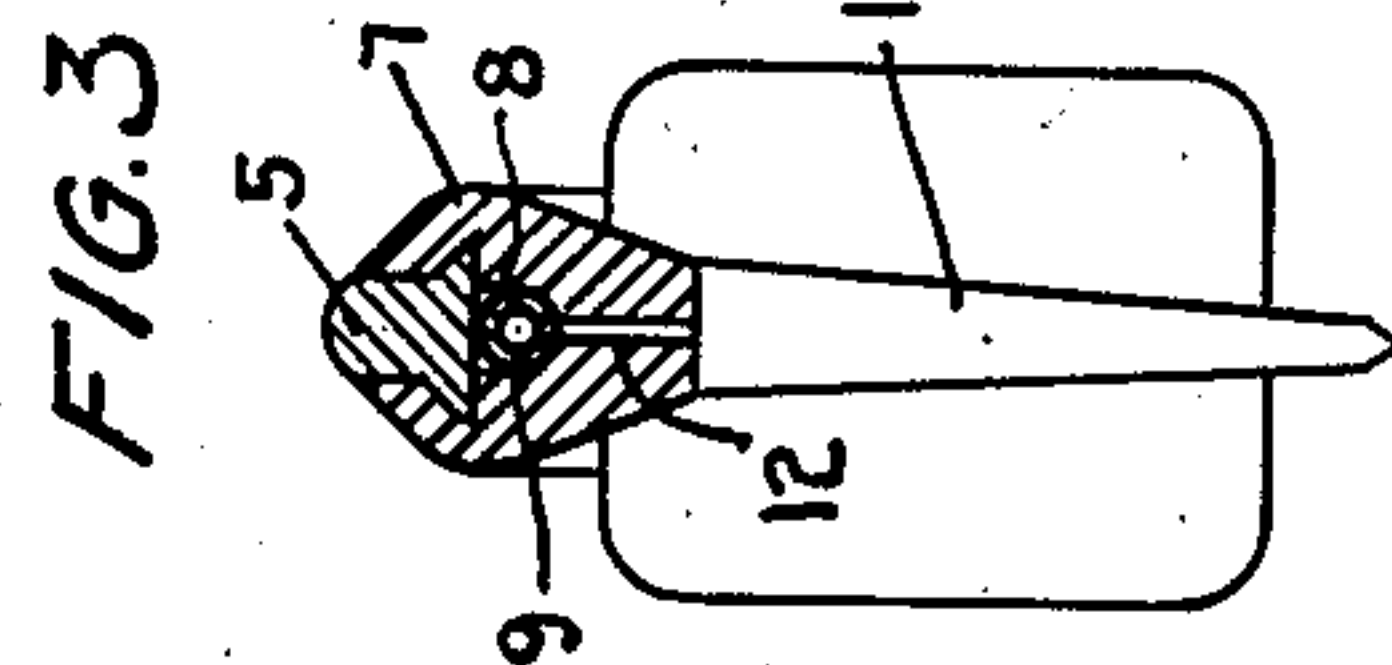
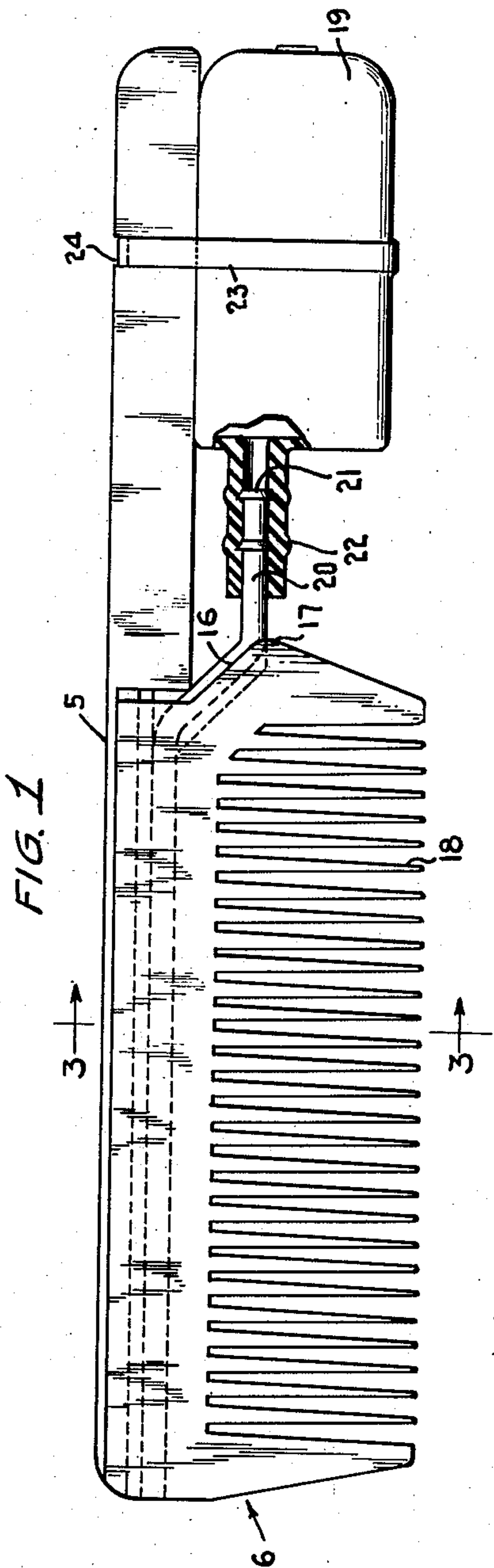
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J. SCHMIDT

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FOUNTAIN COMB

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## UNITED STATES PATENT OFFICE

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## FOUNTAIN COMB

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3 Claims. (Cl. 132—13)

The present invention relates to a new and improved fountain comb.

The primary object of the invention is to provide a fountain comb for applying liquids to the hair, which is so constructed that it may be freely used in the same manner as the conventional comb.

A further object of the invention is to provide a fountain comb in which the teeth portion thereof are readily removed from the backing strip thereby permitting the interchanging of the comb teeth.

A still further object of the invention is to provide a fountain comb with means for adjusting and completely shutting off the supply of liquid through the comb teeth.

Other objects, advantages and features of the device according to the present invention will be apparent to those skilled in the art during the course of the following description wherein a specific embodiment of the present invention, herein illustrated, will be described, it being clearly understood however that the illustrated preferred embodiment is given solely by way of example and is non-limitative.

In the drawing:

Fig. 1 is a side elevational view, partly in section, illustrating the new and improved fountain comb construction.

Fig. 2 is a fragmentary transverse sectional view of the comb illustrated in Fig. 1.

Fig. 3 is a sectional view taken on line 3—3 of Fig. 1, and

Fig. 4 is a partial side elevational view and illustrating the adjusted position of the liquid feeding device.

Referring to the drawing for a more detailed description thereof, the numeral 5 designates the handle portion to which the comb structure indicated generally by the numeral 6 is removably attached. Referring to Fig. 3, it will be noted that the body portion 7 of the comb 6 is slidably engaged with the back 5 and is provided with a channel 8 in which the liquid dispensing tube 9 is disposed. It will be understood that when removing the comb 6 from the back 5, the portion 7 will slide over the tube 9 and that when the comb is in position, the tube will be frictionally held within the channel 8.

It is preferably desired that the tube 9 be removably attached to the back 5, and for accomplishing this purpose there is provided one or more pins 10 positioned in corresponding openings in the back 5, as clearly illustrated in Fig. 2 of the drawing. It may occasionally be neces-

sary to remove the tube for cleaning purposes and its detachability is an essential element of the device.

Referring to Fig. 2 of the drawing it will be noted that the tube 9 is formed with a plurality of discharge openings 11 which are adapted to align with corresponding openings 12 formed in the comb structure 6. It will be noted that the openings 12 are positioned between the respective teeth of the comb whereby the liquid is adapted to be discharged through said openings 11 and 12 respectively and between the teeth. By this construction, a liquid may be fed to the hair without in any manner impairing the normal combing action of the teeth.

The outer end 13 of the tube 9 is closed and the opposite end 14 fits within the slanting groove 16 of the end 17 of the comb 6, whereby substantially the entire length of the tube is concealed. The groove 16, however, is not provided with discharge openings since that portion of the tube is remote from the teeth 18.

A flexible reservoir 19 is provided, the end of which is attached to the free end 20 of the tube 9. Any desired means may be employed for retaining the tube such as a ferrule 21 engageable in a corresponding recess in the extension 22 of the reservoir, as clearly illustrated in Fig. 1 of the drawing. The reservoir 19 is preferably fixedly attached to the free end of the back 5 by a strap or the like 23. If desired, the strap may be an integral part of the reservoir 19 and held within a slot 24 formed in the back 5. It is also preferred that the reservoir 19 be of a shape and size to readily conform to the hand of the user whereby the end of the comb may be readily grasped and by exerting a slight pressure on the reservoir will discharge a portion of its contents through the tube 9 and out through the openings 11 and 12.

When desiring to use the comb without operating the fountain attachment, the tube 9 may be positioned as illustrated in Fig. 4 of the drawing, in which case the openings 11 of the tube 9 are not in alignment with the openings 12 of the comb 6. In other words, each of the openings 11 will be in back of the solid portion of each tooth 18 so that the liquid cannot be discharged. This adjustment is accomplished by merely moving forwardly the body portion 7 of the comb with respect to the back 5.

By means of the new and improved fountain comb, it will be possible for a barber or beautician to dress the hair with greater efficiency and particularly in shampooing, hair dyeing, bleaching or



treating the scalp with a medicinal preparation. The formation of the discharge openings 11 between the teeth of the comb permits the liquid to be fed to the scalp as well as the hair thereby assuring an even distribution while treating.

It is believed that the operation of the device is readily obvious from the above description. The reservoir 19 is first filled with the liquid and while moving the comb through the hair, a slight compression of the reservoir will cause the liquid to be ejected from the openings 11 in the tube 9. The comb is held in the usual manner at the free end thereof and the reservoir 19 does not interfere with its normal operation.

It is to be understood that this improvement is capable of extended application and is not confined to the exact showing of the drawing nor to the precise construction described and, therefore, such changes and modifications may be made therein as do not affect the spirit of the invention nor exceed the scope thereof as expressed in the appended claims.

What is claimed as new is:

1. A fountain comb comprising a back member, a comb portion slidably disposed on said back member, a liquid discharging tube removably attached to said back member and adapted to be supported within a groove formed in said comb portion, said tube having discharge openings

adapted for alignment with corresponding discharge openings in said comb portion and a reservoir removably attached to one end of said tube and carried by said back member.

2. A fountain comb comprising an elongated back member, a comb portion adjustably and removably attached to said back member, a dispensing tube carried by said back member and receivable in a groove formed in said comb portion, said tube having discharge openings adapted to align with corresponding openings formed in said comb portion, and a liquid supply reservoir attached to one end of said tube and supported by the free end of said back member.

3. A fountain comb comprising an elongated back member, a comb portion adjustably and removably mounted on said back member, a plurality of teeth depending from said comb portion and having discharge openings formed between each tooth, a dispensing tube carried by said back member and receivable in a groove formed in said comb portion, said tube having discharge openings adapted to align with said openings formed between the teeth of the comb portion, and a liquid supply reservoir attached to one end of said tube and supported by the free end of said back member.

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