Mar. 20, 1923 1,449,096

F. M. GRIETEN

FOUNTAIN COMB

Filed Oct. 21, 1922

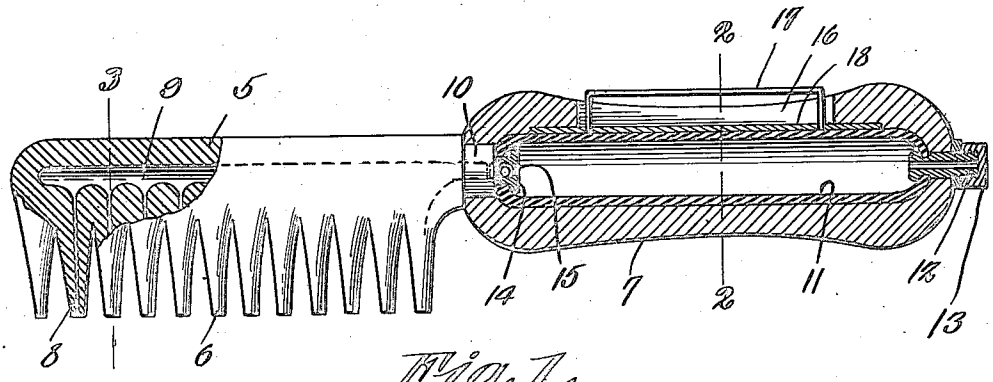


Fig. 1.

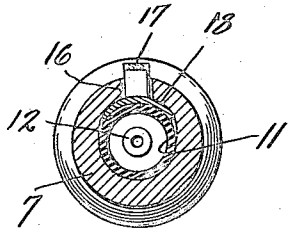


Fig. 2.

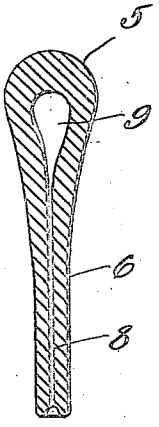


Fig. 3.

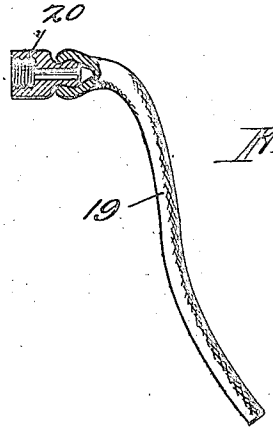


Fig. 4.

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Patented Mar. 20, 1923. 1,449,096

UNITED STATES PATENT OFFICE.

FREDERICK M. GRIETEN, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-FOURTH TO CHARLES T. ANDERSON, OF BALTIMORE, MARYLAND.

FOUNTAIN COMB.

Application filed October 21, 1922. Serial No. 595,360.

To all whom it may concern:

Be it known that I, FREDERICK M. GRIETEN, a citizen of the United States, residing at Baltimore city and State of Maryland, have invented certain new and useful Improvements in Fountain Combs, of which the following is a specification.

This invention relates to combs which are constructed to apply medicaments and the like to the scalp, and its object is to provide a comb of this kind embodying certain novel and improved features of construction to be hereinafter described in detail and claimed.

In order that the invention may be better understood, reference is had to the accompanying drawing, wherein—

Figure 1 is an elevation of the comb, partly in section;

Fig. 2 is a cross-section on the line 2—2 of Fig. 1;

Fig. 3 is an enlarged cross-section on the line 3—3 of Fig. 1, and

Fig. 4 is an elevation, partly in section, of a filler device.

Referring specifically to the drawing, the comb which is the subject matter of the present application for patent consists of a back 5, teeth 6 and a handle 7. The back and the handle are hollow, and each tooth has a longitudinally extending discharge duct 8 leading from the chamber 9 of the back and opening through the extremity or tip of the tooth. The rear end of the comb back has a nipple 10 to which the handle is fitted and secured in any suitable manner.

In the chamber formed in the handle 7 is mounted a resilient reservoir 11 for the material which is to be ejected from the comb. The rear end of this reservoir is fitted with a filler nipple 12 which passes through and projects from the corresponding end of the handle, and has its projecting end screw-threaded to receive a closure in the form of an ordinary screw cap 13, as shown in Fig. 1.

The forward end of the reservoir 11 has an outlet nipple 14 which is fitted to the nipple 10 so that the material may be discharged into the comb chamber 9. The nipple 14 is provided with a ball or other check valve 15 to prevent a return flow into the reservoir 11.

In order to force the material from the reservoir 11 into the comb chamber 9, it is necessary to compress the former, and for this purpose the handle 7 has a side opening 16 through which protrudes a handle 17 attached to and projecting from a presser plate 18 which bears against the side of the reservoir, as clearly shown in Figs. 1 and 2. Upon pressing inwardly on the handle 17, the plate 18 compresses the reservoir and forces the material therein through the outlet nipple 14 into the comb chamber 9, from which latter, the material escapes by the way of the ducts 8 to the scalp, the comb being moved through the hair in the usual manner.

To fill the reservoir 11, it is necessary only to remove the cap 13 and apply to the nipple 12, the device shown in Fig. 4. This device consists of a piece of tubing 19 having one of its ends fitted with an outlet nipple 20 which is internally threaded to screw on the projecting end of the nipple 12. The tubing 19 is to be inserted into the bottle or other receptacle containing the liquid with which the reservoir is to be filled. Before this is done, the reservoir must be compressed, and upon releasing the handle 17 to allow the reservoir to expand to its normal distended state, the liquid is drawn thereinto in an obvious manner.

I claim:

1. A comb having a back which is hollow to form a chamber therein, teeth extending from said back and having discharge ducts leading from the chamber, a hollow handle carrying the back and having a side opening, a resilient reservoir in the hollow of the handle and having an outlet into the aforesaid chamber, a check valve associated with said outlet, a filler nipple connected to the reservoir and projecting from the handle, a removable closure for said nipple, and a presser device for the reservoir having actuating means protruding through the handle side opening.

2. A comb having a back which is hollow

to form a chamber therein, teeth extending from said back and having discharge ducts leading from the chamber, a hollow handle carrying the back, a resilient reservoir in the hollow of the handle and having an outlet into the aforesaid chamber, a check valve associated with said outlet, a filler nipple connected to the reservoir and projecting from the handle, a removable closure for said nipple, and means for compressing the reservoir.

In testimony whereof I affix my signature.

FREDERICK M. GRIETEN.