July 5, 1938. J. W. FORTE 2,122,715

COMB AND HAIR LIQUID DEVICE

Filed March 3, 1937

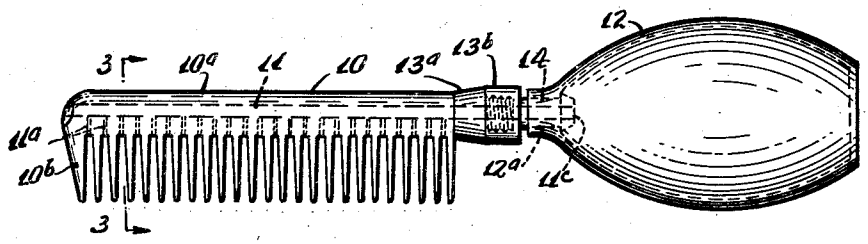


Fig. 1.

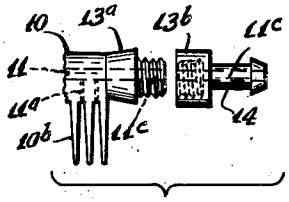


Fig. 2.

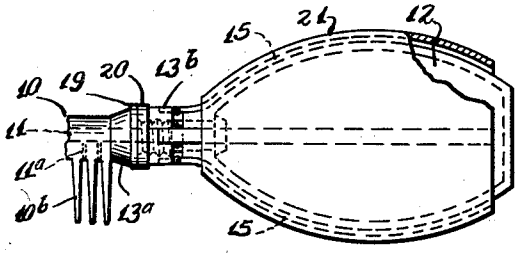


Fig. 4.

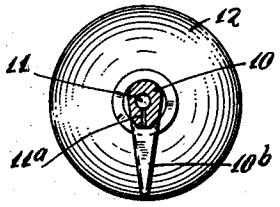


Fig. 3.

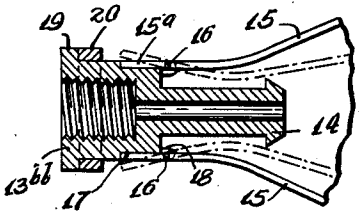


Fig. 5.

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COMB AND HAIR LIQUID DEVICE

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4 Claims. (Cl. 132—13)

This invention relates to new and useful improvements in a comb and hair liquid device.

The invention has for an object the construction of a device as mentioned which is characterized by a comb body having a back portion with projecting teeth, and a passage extending through the back portion and having branches discharging between said teeth, and an arrangement for forcing liquids through said passage and branches.

More specifically, the invention contemplates the provision of a bulb for holding liquids, which bulb is mounted upon one end of the comb body and connected with said passage.

Still further the invention proposes the provision of a stem comprising threadedly connected sections one of which is secured to the comb body and the other of which is mounted through an opening in the bulb so that the bulb may be readily disconnected by merely disconnecting the threaded stem sections.

Another one of the objects of this invention resides in the provision of elements pivotally mounted on the stem section of the bulb and extending across the outer face of the bulb and having end portions adjacent said stem section and means for holding said ends to hold the elements from being depressed. Thus, it is possible to hold the comb and bulb in a manner so that the combination is rigid. When it is desired the held ends of the elements may be released and then the elements may move and the bulb may be compressed to force additional liquid through the passage and branches.

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 side elevational view of a comb and hair liquid device constructed according to this invention.

Fig. 2 is a fragmentary elevational view of a portion of Fig. 1 illustrated with certain parts disconnected.

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

Fig. 4 is a fragmentary view similar to a portion of Fig. 1 but illustrating a modification of the invention.

Fig. 5 is an enlarged sectional view of one of the stem sections of the device illustrated in Fig. 4.

The comb and hair liquid device, according to this invention, comprises a comb body 10 having a back portion 10a with projecting teeth 10b and a passage 11 extending through the back portion and having branches 11a discharging between the teeth 10b. A bulb 12 adapted to hold liquids beneficial to the hand and scalp is mounted on one end of the comb body 10 and is connected with the passage 11. There is a stem consisting of stem sections 13a and 13b which threadedly engage each other. The section 13a is pivotally attached upon the comb body 10. The section 13b is provided with a reduced head portion 14 adapted to be forced into an end opening 12a in the bulb 12. There is a passage 11c through these sections which connect the interior of the bulb 12 with the passage 11. Preferably the bulb 12 is of rubber or similar resilient and soft material.

In Figs. 4 and 5 a modification of the invention has been disclosed which distinguishes from the prior form in the fact that there are several elements 15 which are pivotally mounted near one of their ends by pintles 16 upon the stem section 13bb. These elements 15 have inner end portions 15a which are engaged into recesses 17 formed longitudinally in the stem section 13bb. This stem section has lugs 18 which support the pins 16 which pivotally support the elements 15. The extremity of the stem section 13bb is provided with a flange 19 which stops the sliding of a ring 20, which is slidably mounted on the stem section. This ring 20 is adapted to be moved towards the right, relative to Fig. 5, to engage over the inner ends 15a of the elements 15 to lock the elements against pivoting.

The elements 15 are formed to extend along the outer face of the bulb 12 and to conform with the shape of the bulb. There is a sheet rubber covering 21 engaged over the outer bulb and covering the elements 15. When the ring 20 is inoperative then the bulb 12 may be compressed, but when the ring 20 is engaged over the inner ends 15a of the elements 15, when one holds the bulb, there is a rigid connection to the comb 10. It is then possible to use the butt end of the device as a handle without being annoyed by the comb 10 flexing back and forth due to the fact that it is connected with the resilient bulb.

The operation of the device is as follows:—

The stem sections are disconnected by screwing them apart. Liquid beneficial to the hair and scalp is placed into the bulb 12 by sucking it through the stem section. The stem sections

are then connected. Now when the bulb is pressed the liquid will be forced out from the bulb through the passages 11c, 11b and 11a upon the teeth 10b of the comb and upon one's hair and scalp. A good distribution of the liquid is then possible.

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 comb and hair liquid device comprising a comb body having a back portion with projecting teeth and a passage extending through said back portion and having branches discharging between said teeth, a stem consisting of threadedly engaged stem sections, one of said stem sections being permanently mounted on said comb body, a bulb for holding liquids mounted on the other of said stem sections, and elements pivotally mounted on the stem section of the bulb and extending across the outer face of the bulb and having inner ends engaging in grooves formed in said stem section, and means for holding said inner ends to hold the elements from being pivoted and depressed.

2. A comb and hair liquid device comprising a comb body having a back portion with projecting teeth and a passage extending through said back portion and having branches discharging between said teeth, a stem consisting of threadedly engaged stem sections, one of said stem sections being permanently mounted on said comb body, a bulb for holding liquids mounted on the other of said stem sections, and elements pivotally mounted on the stem section of the bulb and extending across the outer face of the bulb and having inner ends engaging in grooves formed in said stem section, and means for holding said inner ends to hold the elements from being pivoted and depressed, said means being manually shiftable to an inoperative position and comprising a shiftable ring.

3. A comb and hair liquid device comprising a comb body having a back portion with projecting teeth and a passage extending through said back portion and having branches discharging between said teeth, a stem consisting of threadedly engaged stem sections, one of said stem sections being permanently mounted on said comb body, a bulb for holding liquids mounted on the other of said stem sections, and elements pivotally mounted on the stem section of the bulb and extending across the outer face of the bulb and having inner ends engaging in grooves formed in said stem section, and means for holding said inner ends to hold the elements from being pivoted and depressed, said means being manually shiftable to an inoperative position and comprising a shiftable ring, said stem section having a flange to prevent said ring from sliding off the stem section.

4. A comb and hair liquid device comprising a comb body having a back portion with projecting teeth and a passage extending through said back portion and having branches discharging between said teeth, a stem consisting of threadedly engaged stem sections, one of said stem sections being permanently mounted on said comb body, a bulb for holding liquids mounted on the other of said stem sections, and elements pivotally mounted on the stem section of the bulb and extending across the outer face of the bulb and having inner ends engaging in grooves formed in said stem section, and means for holding said inner ends to hold the elements from being pivoted and depressed, and a rubber jacket engaged over said bulb and covering said elements.

JOSEPH W. FORTE.