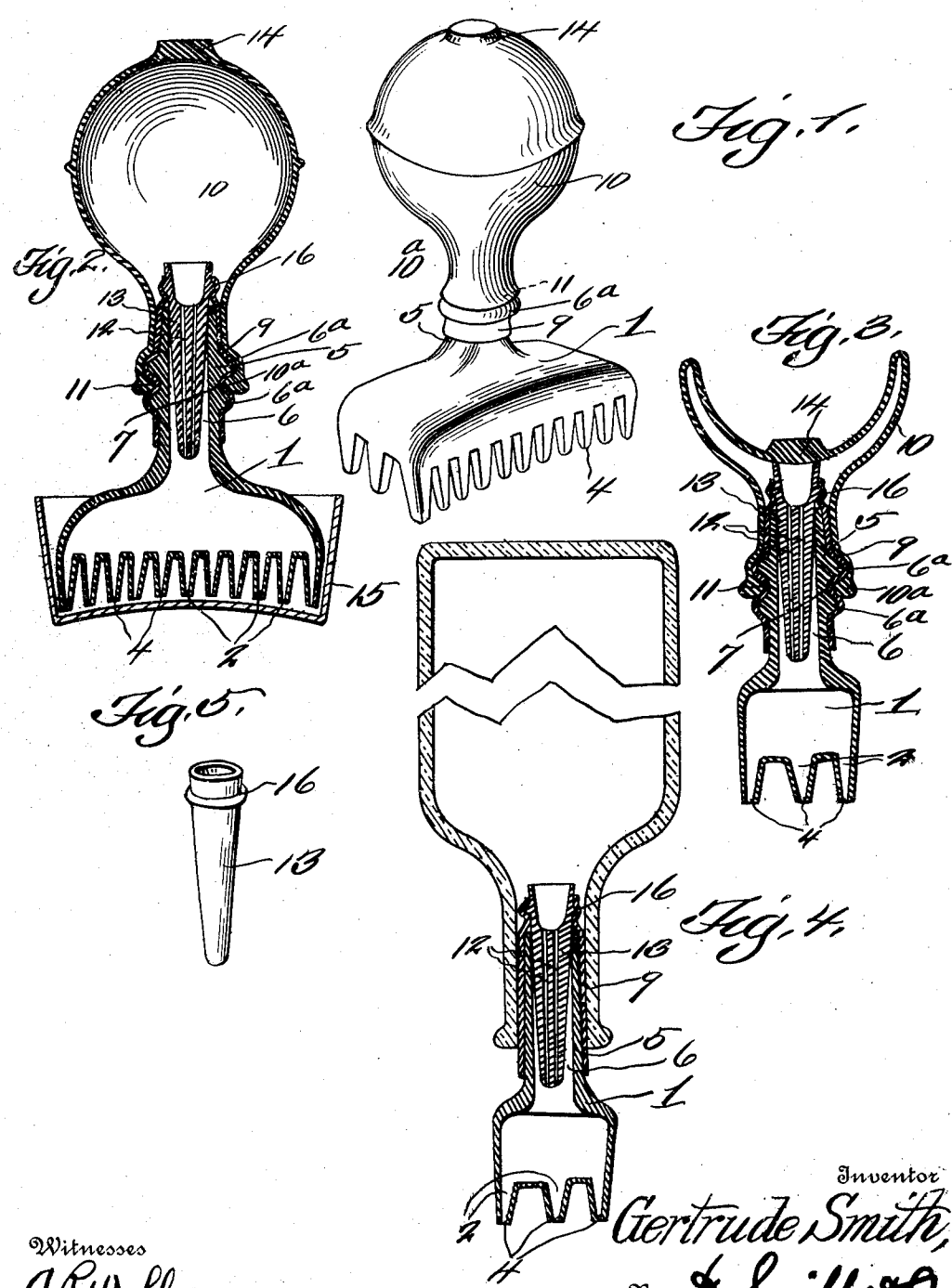


G. SMITH.
 FOUNTAIN SHAMPOO COMB.
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1,113,843.

Patented Oct. 13, 1914.



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UNITED STATES PATENT OFFICE.

GERTRUDE SMITH, OF VALDOSTA, GEORGIA,

FOUNTAIN SHAMPOO-COMB.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GERTRUDE SMITH, a citizen of the United States, residing at Valdosta, in the county of Lowndes and State of Georgia, have invented a new and useful Fountain Shampoo-Comb; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a new and useful fountain shampoo comb.

An object of the invention is to provide a device of this nature having efficient, desirable and practical features of construction.

One of the features of the construction is the provision of a rubber band surrounding the neck of the comb and provided with an annular channel to receive the mouth of a bottle to make a fluid tight joint, or to receive the mouth of a bulb. The neck of the comb is provided with means to prevent the band from slipping.

Another feature of the invention is the provision of a tapered rubber valve having a small passage or passages insertible in the passage of the neck of the comb to choke or retard the flow of the shampoo solution in the bottle or the bulb. If the rubber bulb is used the inner surface of the bulb contacts with one end of the rubber valve, to more efficiently choke the fluid or solution in its flow.

In practical fields the details of construction may necessitate alterations, falling within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings: Figure 1 is a view in perspective of the improved fountain comb constructed in accordance with the invention. Fig. 2 is a sectional view. Fig. 3 is a transverse sectional view on line 3—3 of Fig. 1. Fig. 4 is a sectional view showing a bottle in lieu of the bulb. Fig. 5 is a detail view of the soft rubber valve.

Referring more particularly to the drawings, 1 designates the usual form of fountain comb constructed of hard rubber or the like, the teeth of which are tapering and provided with passages 2, each of which terminates in a small orifice 4. The comb is provided with a neck 5 having a passage 6.

This neck is provided with a pair of annular bulges or beads 6^a, between which a channel 7 is formed. A rubber band is stretched sufficiently to fit the neck of the comb, the annular bulges of the neck bulging the rubber band 9 outwardly, while the rubber band countersinks in the annular channel. A hollow rubber bulb 10 is provided having a mouth end 11 provided with an annular bead. This annular bead 10^a of the mouth end of the bulb is stretched sufficiently to pass over one of the bulges of the neck and is received in the channel, thereby insuring a fluid tight joint between the mouth end of the bulb and the neck of the comb. Insertible in the passage of the neck of the comb is a tapering soft rubber valve having one or two small passages 12.

In using this improved fountain comb the bulb is depressed to force the solution or fluid through the rubber valve 13 and through the hollow teeth of the comb, the small passage in the rubber valve acting to choke the fluid in its flow. Upon release of the bulb the fluid is again drawn into the bulb, and again disbursed upon a second depression of the bulb and vice versa. If the top 14 of the bulb is depressed sufficiently to contact with the upper end of the rubber valve, the flow of the fluid is shut off, the rubber of the bulb contacting with the rubber of the valve makes a close contact insuring a close joint.

In Fig. 5 the annular bulges are dispensed with, and the band insures a tight fit between the neck of the comb and the passage of the neck of the bottle. The teeth of the comb are of a shape to correspond with the contour of the head.

In Fig. 2 a receptacle 15 is shown, from which the fluid or solution is sucked into the comb, the bottom of the receptacle being of a shape corresponding with the contour of the teeth. The rubber valve is removable, but while in the passage of the neck of the comb, the rubber band stretches thereabout and engages the same, shown at 16 to prevent displacement of the valve.

The invention having been set forth, what is claimed as new and useful is:—

1. In combination, a fountain comb body having a neck, a rubber band surrounding the neck, means forming a part of the neck to hold the rubber band in place, a hollow flexible rubber bulb having a mouth end passing over said band and held thereto by

said means, a removable tapering rubber valve insertible in the passage of the neck and provided with a bead, said band being extended beyond the neck engaging the bead
5 of the valve to hold the valve in place, the top of the bulb adapted to be depressed to contact with the valve to shut off the flow of the solution.

2. In combination, a fountain comb body
10 having a neck, a packing band surrounding the neck, means forming a part of the neck to hold the band in place, a hollow flexible bulb having a mouth end passing over said band and held thereto by said

means, said band being extended beyond the neck, a removable valve in the passage of the neck and provided with means forming a part thereof to be engaged by the extended portion of the band to hold the valve
15 in place. 20

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MRS. GERTRUDE SMITH.

Witnesses:

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