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N. R. METZLER

2,295,746

FOUNTAIN COMB

Filed March 24, 1942

Fig. 1.

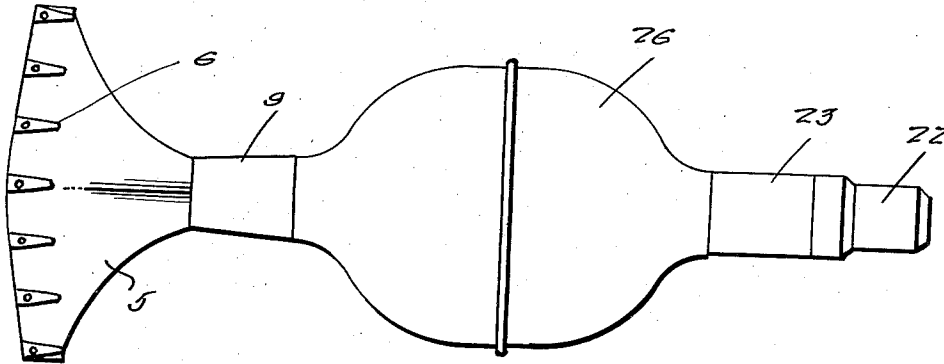


Fig. 2.

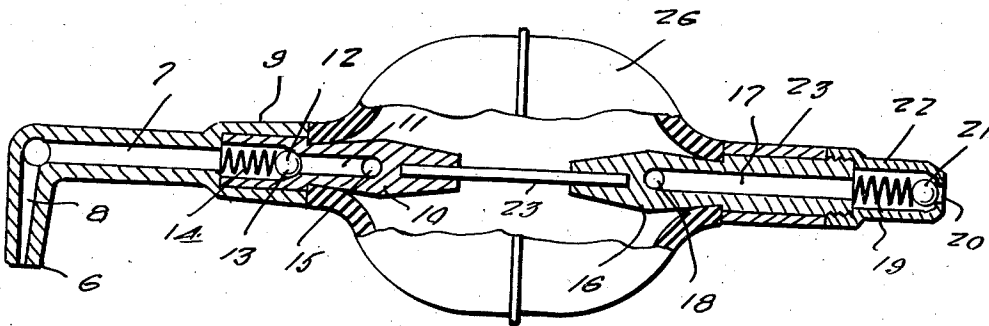
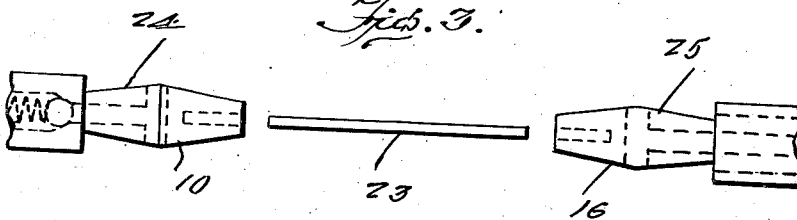


Fig. 3.



Inventor

Norman R. Metzler

By

Clarence A. O'Brien
and Harvey E. Jacobson
Attorneys

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FOUNTAIN COMB

Norman R. Metzler, York, Pa.

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4 Claims. (Cl. 132-13)

The present invention relates to new and useful improvements in fountain combs adapted for use in applying a curling solution to the hair while the same is being combed and the invention has for its primary object to provide a sectional hollow handle for the comb to form a passage therein for the solution, the passage in the rear end of the handle being controlled by a check valve adapted to supply the handle with liquid and the passage at the front end of the comb also being provided with a check valve to control discharge of liquid therefrom and also to provide a rubber bulb for connecting the sections of the handle together and to control the opening and closing movement of the respective valves.

A further object of the invention is to provide a device of this character of simple and practical construction, which is efficient and reliable in performance, neat and attractive in appearance and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawing forming part hereof, wherein like numerals refer to like parts throughout and in which—

Figure 1 is a bottom plan view.

Figure 2 is a longitudinal sectional view, and

Figure 3 is a side elevational view of the connector for the sections of the handle.

Referring now to the drawing in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention, the numeral 5 designates the head of the comb having the teeth 6 projecting from one side thereof, the head having a passage 7 therein communicating with passages 8 in the respective teeth. The rear end of the head 5 is formed with a socket 9 within which is frictionally fitted a front handle section 10 having a longitudinal passage 11 therein communicating with the passage 7 in the head. The passage 11 is formed with valve seat 12 against which a ball valve 13 is positioned by means of a coil spring 14, the spring normally closing the passages against the flow of liquid forwardly into the head of the comb. The rear end of the passage 11 terminates in lateral passages 15 extending through the sides of the section 10 of the handle.

The rear section of the handle is designated at 16 and is likewise formed with a longitudinal passage 17 extending through its rear end and terminating at its front end in lateral passages

18 extending through the sides of the section 16.

Threaded on the rear end of the section 16 is a tubular tip 19 of hollow construction having a restricted opening 20 in its rear end against which a ball valve 21 is seated and held in position by a coil spring 22 mounted in the tip and bearing against the rear end of the section 16 of the handle. Inwardly of the tip 19, the rear section 16 of the handle is provided with a sleeve 23. The adjacent ends of the handle sections 10 and 16 are rigidly connected by means of a rod 23 having its respective ends frictionally embedded in the adjacent ends of the handle sections and maintaining the same in spaced parallel relation, as shown to advantage in Figure 2 of the drawing.

The inner end of the handle section 10 is formed with a tapered portion 24 and the inner end of the handle section 16 is likewise formed with a tapered portion 25 adapted to frictionally receive the opposite ends of a rubber bulb 26 which forms a connection for the two sections of the handle, the lateral passages 15 and 18 communicating with the interior of the bulb.

In the operation of the device, when the bulb 26 is squeezed or contracted, the valve 21 will be maintained in its closed position and the valve 13 will be moved into an open position whereby to cause a discharge of the contents of liquid in the rubber bulb to be forced through the teeth of the comb.

The rubber bulb 26 may be filled with a quantity of liquid by first contracting the same and then inserting the end of the handle into a container of liquid and upon releasing the bulb 26 to permit expansion thereof, the valve 21 will be opened, the valve 13 closed, and liquid from the container will be drawn into the passage 17 and into the bulb in a manner as will be apparent.

It is believed the details of construction, operation and manner of use of the device will be readily understood from the foregoing without further detailed explanation.

Having thus described the invention what I claim is:

1. A fountain comb comprising a comb head having a passage therein, a sectional handle including a front section having a passage communicating with the passage of the head and extending through one side of the front section, and a rear section also having a passage extending through one side thereof, a rigid member connecting the sections of the handle, and a rubber bulb connected at its opposite ends to

the sections of the handle and providing a reservoir in communication with the passages of each section.

2. A fountain comb comprising a comb head having a passage therein, a sectional handle including a front section having a passage communicating with the passage of the head and extending through one side of the front section, and a rear section also having a passage extending through one side thereof, a rigid member connecting the sections of the handle, and a rubber bulb connected at its opposite ends to the sections of the handle and providing a reservoir in communication with the passages of each section, and check valves in each of the passages.

3. A fountain comb comprising a comb head having a passage therein, a sectional handle including a front section having a passage communicating with the passage of the head and extending through one side of the front section, and a rear section also having a passage extending through one side thereof, a rigid member

connecting the sections of the handle, and a rubber bulb connected at its opposite ends to the sections of the handle and providing a reservoir in communication with the passages of each section, said check valves being arranged for opposite opening and closing movement by expansion and contraction of the bulb.

4. A fountain comb head having a passage therein, a sectional handle including a front section having a passage communicating with the passage of the head and extending through one side of the front section, and a rear section also having a passage extending through one side thereof, a rigid member connecting the sections of the handle, and a rubber bulb connected at its opposite ends to the sections of the handle and providing a reservoir in communication with the passages of each section, said passage of the rear section also extending through the rear end of said rear section, and check valves in the passages of each section.

NORMAN R. METZLER,