J. P. RANKIN.

FOUNTAIN COMB.

APPLICATION FILED MAY 10, 1917.

1,273,272. Patented July 23, 1918.

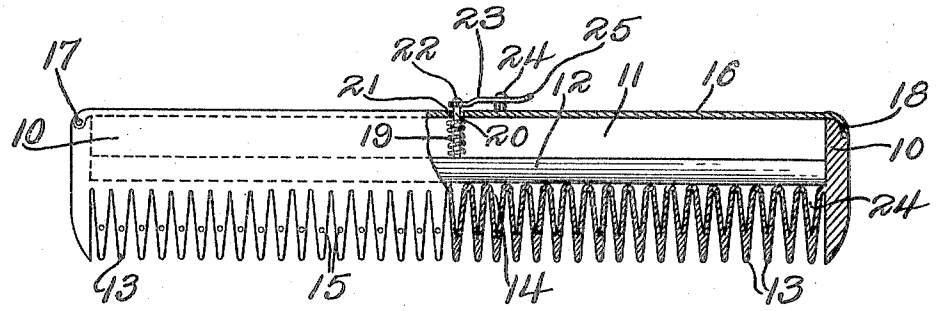


Fig. 1

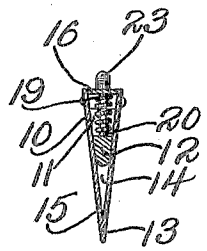


Fig. 2

WITNESSES

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FOUNTAIN-COMB.

1,273,272. Specification of Letters Patent. Patented July 23, 1918.

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To all whom it may concern:

Be it known that I, JOSEPH P. RANKIN, a citizen of the United States of America, residing at Plenty, in the Province of Saskatchewan and Dominion of Canada, have invented certain new and useful Improvements in Fountain-Combs, of which the following is a specification.

This invention relates to a hair comb and particularly to a fountain comb and has for its primary object to provide in such a comb, a reservoir in the back of the comb to contain hair tonic or other fluid which it is desired to distribute on the hair and to make the teeth of the comb hollow and in communication to the reservoir, each tooth having an opening by means of which the liquid contents of the reservoir may escape and be thoroughly distributed to the hair while the latter is being combed. In connection with the reservoir there is also provided an automatic valve for interrupting communication between the reservoir and teeth so that no liquid will escape into the teeth from the reservoir except when said valve is opened. The comb is also provided with a removable cover which when raised gives ready access to the interior for the purpose of filling the same or removing such fluid as may be within the reservoir when it is desired to clean the same or to change the liquid.

With these objects in view, the invention consists in the novel construction, combination and arrangement of parts hereinafter described, pointed out in the appended claim and illustrated in the accompanying drawings, in which:—

Figure 1 is a side elevation partly in section of the improved fountain comb, and

Fig. 2 is a vertical cross sectional view of the same.

In the drawings, 10 indicates the back of a hair comb which as shown is made hollow to provide a reservoir 11 that extends throughout the length of the comb and is preferably made tapering on its interior, the lower portion being narrower than the upper portion for the purpose of forming a seat the full length of the reservoir for a longitudinal valve bar 12, the sides of which taper or incline toward each other at the lower end so as to fit snugly and tightly against the sides of the reservoir. Projecting from the lower edge of the back 10 are the usual teeth 13 which in the present instance are made hollow as shown, the interior of each tooth forming an inverted conical receptacle 14 that communicates with the reservoir 11 but is cut off therefrom by the valve 12 when the latter is closed. The lower portion or apex of each receptacle 14 is in communication with a transverse perforation 15 near the point of the tooth through which liquid from the reservoir may find its way outwardly to the hair when the comb is used. The top of the comb is closed by a cover 16 pivoted at one end 17 to one end of the comb back and having a snap connection 18 at the other end of the comb. This cover is made to seal tightly the reservoir 11 to prevent the escape of liquid therethrough when using the comb. The valve 12 is normally maintained on its seat to cut off the receptacle from the teeth 13 by a spiral spring 19 coiled around a pin 20 connected to the valve 12 at its center and passing upwardly through a perforation 21 in the cover 16 and then connected by means of a screw 22 with one end of a finger lever 23 pivoted at 24 to the cover and having a free end 25 on the opposite sides of the pivot upon which a finger presses when the valve is to be opened.

The comb may be made of any suitable material such as metal, celluloid or the like and made as ornamental as desired, the valve 12 is preferably made of soft rubber and the perforation 21 is sufficient to permit the entrance of air when the valve 12 is opened. The perforations 15 in the teeth of the comb are made quite small to prevent a great outflow of the liquid, their size being such as to compel this liquid to make its exit in drops only.

What is claimed is:

A fountain comb comprising a back having a cavity therein with tapering sides, said cavity extending from end to end of the back, a closure for said cavity at the wider edge of the back and hinged to the back at one end, hollow tapering teeth projecting from the narrower edge of the back opposite said closure and communicating with said cavity and exteriorly through openings near the points of the teeth, a longitudinal valve with tapering sides extending the length of

the cavity and normally seated in the narrower or lower portion thereof to close communication between the cavity and the hollow teeth, a pin projecting upwardly from the longitudinal center of said valve through the closure, resilient means between the closure and valve for pressing the valve to its seat, and a finger lever fulcrumed on the outer side of the closure for raising the valve when depressed.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH PERRY RANKIN.

Witnesses:

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J. R. McKENZIE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."