J. S. THURMAN.

DANDRUFF REMOVING DEVICE.

APPLICATION FILED JULY 19, 1907

918,929. Patented Apr. 20, 1909.

Fig. 1.

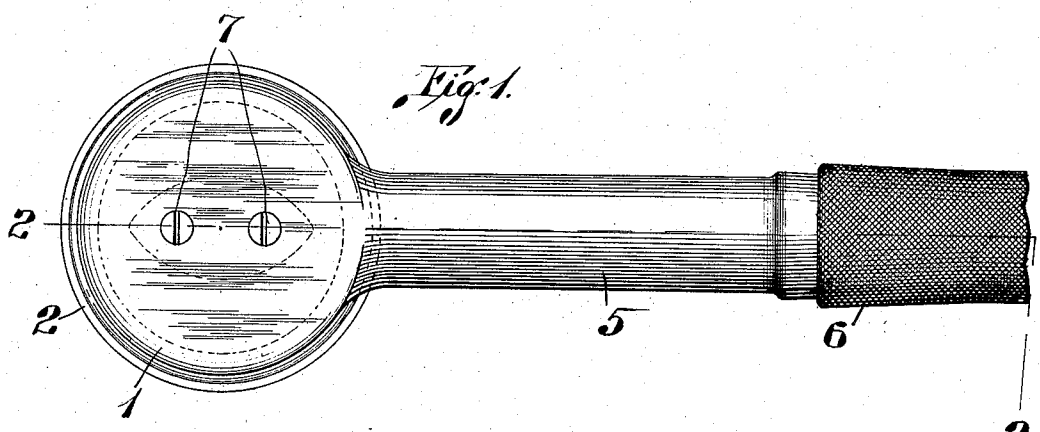


Fig. 2.

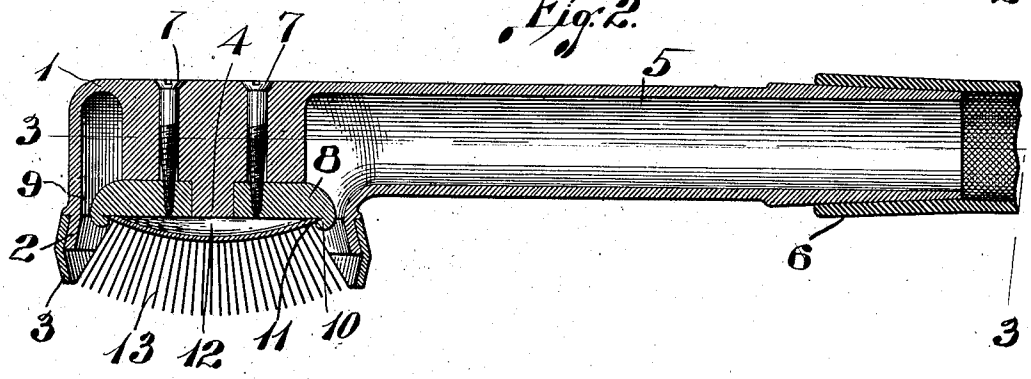
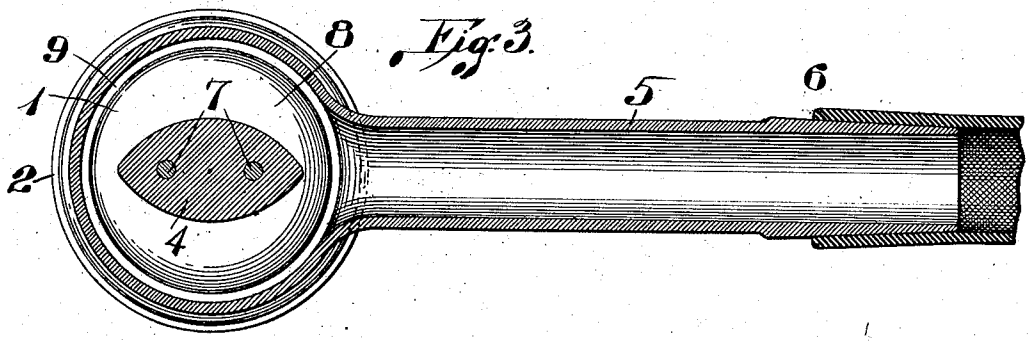


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN S. THURMAN, OF ST. LOUIS, MISSOURI.

DANDRUFF-REMOVING DEVICE.

No. 918,929. Specification of Letters Patent. Patented April 20, 1909.

Application filed July 19, 1907. Serial No. 384,633.

To all whom it may concern:

Be it known that I, JOHN S. THURMAN, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Dandruff-Removing Devices, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to a dandruff removing device, my object being to provide a simple implement connected by a flexible tube to a vacuum pump, or tank, and which implement is provided with a brush which is applied to the hair and scalp to remove the dandruff, and which latter is immediately drawn into and through the handle of the device and the vacuum tube.

To the above purposes, my invention consists in certain novel features of construction and arrangement of parts, which will be hereinafter more fully set forth, pointed out in the claims, and illustrated in the accompanying drawings, in which:—

Figure 1 is a plan view of my improved device; Fig. 2 is a vertical section taken on the line 2—2 of Fig. 1; Fig. 3 is a horizontal section taken on the line 3—3 of Fig. 2.

Referring by numerals to the accompanying drawings:—1 designates a hollow circular head, constructed preferably of hard rubber, or analogous material, the bottom of which head is open; and the lower edge thereof being flared outwardly, as indicated by 2, and adapted to receive an annular casing or ring of rubber 3.

Formed integral with the under side of the top of the head 1, and depending therefrom, is a block 4; and formed integral with one side of the head is a tubular handle 5, to the end of which is detachably connected a flexible tube 6, such as a hose which leads to a vacuum pump or tank, or other device, for creating suction.

Detachably secured to the under side of the block 4 by screws 7, or in any suitable manner, is a circular plate 8, the diameter of which is slightly less than the internal diameter of the hollow head 1, thus providing a continuous circular slot 9 between the inner face of the hollow head 1 and the edge of said plate 8; and formed integral with the edge of this plate is a depending flange 10, on the inside of which is formed an undercut groove 11.

12 designates a flexible disk of rubber, or analogous material, the edge of which is seated in the undercut groove 11, and carried by this disk 12 is a series of bristles 13, of wire, hard rubber, or analogous material. The disk 12 is of such size as that when it is seated against the under side of the plate 8 it assumes a convex form, with the ends of the outer series of bristles lying immediately adjacent the lower edge of the ring or casing 3. When my improved implement is in use, the handle 5 is manually engaged, and the bristles 12 are applied to the scalp and so manipulated as to loosen the scales of dandruff, which latter are immediately drawn into and through the circular slot 9, and from thence into and through the tubular handle 5 and the vacuum hose 6. The disk 12 is made pliable in order that the bristles will not injure the scalp when applied thereto, but will readily give when being manipulated on the scalp; and the device in addition to loosening and removing scales of dandruff and dust from the scalp, will mildly massage the scalp, thus drawing the blood to the surface or capillary veins, which tends to increase the circulation, thereby inducing a more rapid and prolific growth of hair.

I claim:—

1. In a device of the class described, a hollow member through which suction is produced, a flexible brush back arranged on said hollow member, and bristles secured to said flexible brush back and projecting through the opening in the hollow member in such a manner as to form an annular inlet opening which extends entirely around the brush.

2. In a device of the class described, a hollow member through which a suction is produced, there being an opening into said hollow member, a casing on said hollow member around the opening, and a flexible brush carried by the hollow member and projecting through the opening.

3. In a device of the class described, a hollow member through which suction is produced, there being an opening into said hollow member, a circular casing around said opening, a circular plate arranged in the opening so as to form a circular slot between the edge of the plate and the wall of the hollow member, and a flexible brush detachably secured to the under side of the plate.

4. In a device of the character described, a head provided with a chamber, there being a restricted annular opening leading into said

chamber, a flexible band mounted on said head, and a brush mounted on said head forming the inner wall of the annular opening.

5. In a device of the class described, a hollow member in which is formed an opening, a flexible ring around said opening, and a flexible brush carried by the hollow member and arranged within the ring.

6. A dandruff removing device comprising a hollow member, in which is formed an annular inlet opening, and a brush having a flexible back detachably secured to the member within the annular inlet opening.

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

JOHN S. THURMAN.

Witnesses:
M. P. SMITH,
E. L. WALLACE.