No. 671,047. Patented Apr. 2, 1901.

H. H. FOX.

HAIR AND SCALP BRUSH.

(Application filed July 17, 1900.)

(No Model.)

Fig. 1.

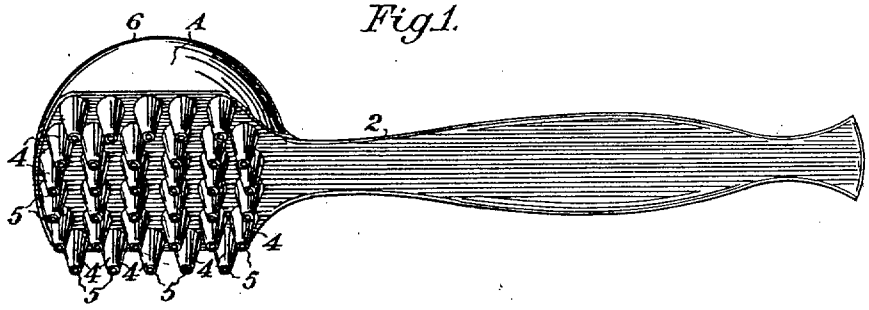
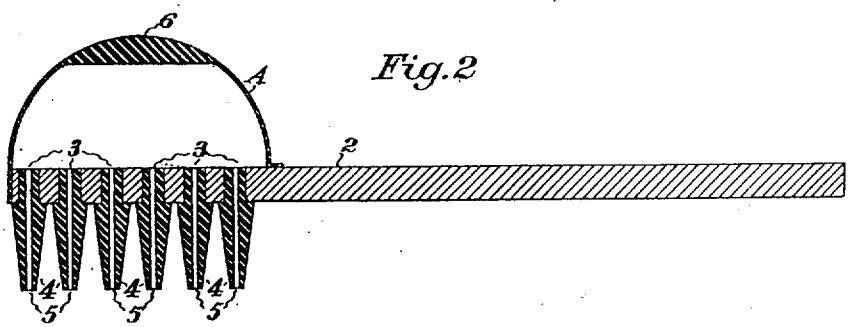


Fig. 2.



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UNITED STATES PATENT OFFICE.

HANDFORD H. FOX, OF SPOKANE, WASHINGTON.

HAIR AND SCALP BRUSH.

SPECIFICATION forming part of Letters Patent No. 671,047, dated April 2, 1901.

Application filed July 17, 1900. Serial No. 23,880. (No model.)

To all whom it may concern:

Be it known that I, HANDFORD H. FOX, a citizen of the United States, residing at Spokane, county of Spokane, State of Washington, have invented an Improvement in Hair and Scalp Brushes; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to a brush which is especially designed as a means for applying a tonic or shampoo liquid to the scalp and the hair.

It consists of a rubber bulb carried upon the handle of the brush and hollow teeth projecting from the opposite side of the handle having connection with the interior of the bulb, whereby a liquid contained therein may be applied to the scalp and the proper friction of the same maintained.

It also comprises details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of a hair and scalp brush. Fig. 2 is a longitudinal section of the same.

The object of my invention is to provide a device by which a tonic or other liquid can be continuously applied to the scalp of a person's head and the proper friction maintained during the application. This is effected by the use of an elastic containing-bulb A, which is fixed with relation to the brush and adapted to discharge therethrough. As at present illustrated the bulb A is fixed upon the back of the handle 2 of the brush and is adapted to contain the liquid or substance which is to be applied. Through the handle of the brush and opening into the bulb are a series of small passages 3. In line with these passages are a series of brush-teeth 4, which have corresponding passages running lengthwise through them, as at 5, and connecting directly with the passages 3 through the handle. These hollow teeth are here shown as tapering in form, and they may be flexible or elastic and of sufficient stiffness to produce the desired amount of friction upon a scalp when passed over it. At the same time the liquid contained within the bulb can be forced out through the passages in the teeth in any desired quantity and the rubbing of the teeth applied simultaneously, so as to thoroughly distribute the liquid and apply the proper friction to the scalp. The upper part of the bulb is preferably made solid, as at 6, with a flat interior surface, so that it acts as a piston in compressing the bulb and can be pressed down flat to the back of the brush and expel all of the liquid in the bulb.

The operation is as follows: Press the bulb down against the back of the brush, bury the points of the teeth in the liquid, release the bulb, and the expansion will fill it with liquid through the passages in the teeth. The handle may be of hard rubber and the teeth of tough rubber and not too soft, to prevent their being bent too easily when rubbing the scalp.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a brush, the combination of a back, a compressible containing-bulb and teeth arranged in line with the bulb and having passages through them connecting directly with the interior of said bulb.

2. The combination in a brush of a back having secured to it a compressible containing-chamber; teeth fixed to the opposite side of said back having passages longitudinally through them, and corresponding passages made through the back of the brush in line with said teeth and communicating with the interior of the compressible chamber.

3. The combination in a brush of a back and handle, a compressible chamber adapted to contain a liquid, and fixed upon the back, tapering flexible teeth fixed to the opposite side of the brush-handle having longitudinal passages therethrough, and corresponding passages made through the back of the brush in line with those in the teeth and connecting with the compressible chamber.

4. The combination in a brush, of a back, a compressible containing-bulb fixed to one side thereof and tubular flexible teeth projecting from the opposite side in line with the bulb, and having their passages communicating directly with the interior of the bulb said bulb having a thickened flat interior surface serving as a piston to express liquid through the teeth.

In witness whereof I have hereunto set my hand.

HANDFORD H. FOX.

Witnesses:
A. J. LAUGHAN,
EDWIN BEERS.