Aug. 5, 1941. B. CROMIE 2,251,327

BRUSH

Filed July 26, 1939

Fig. 2.

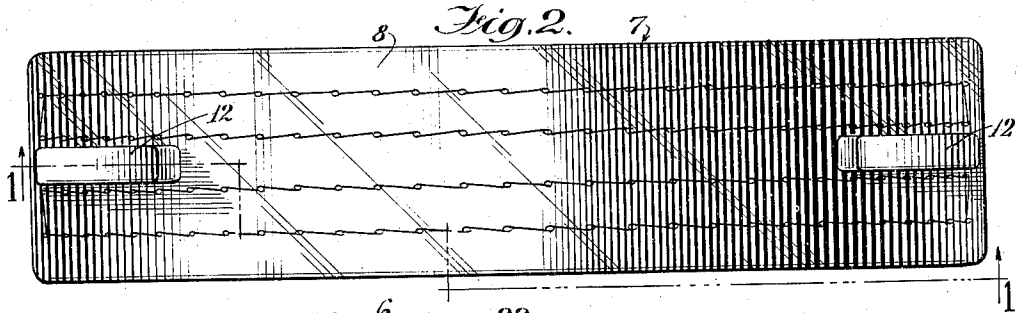


Fig. 1.

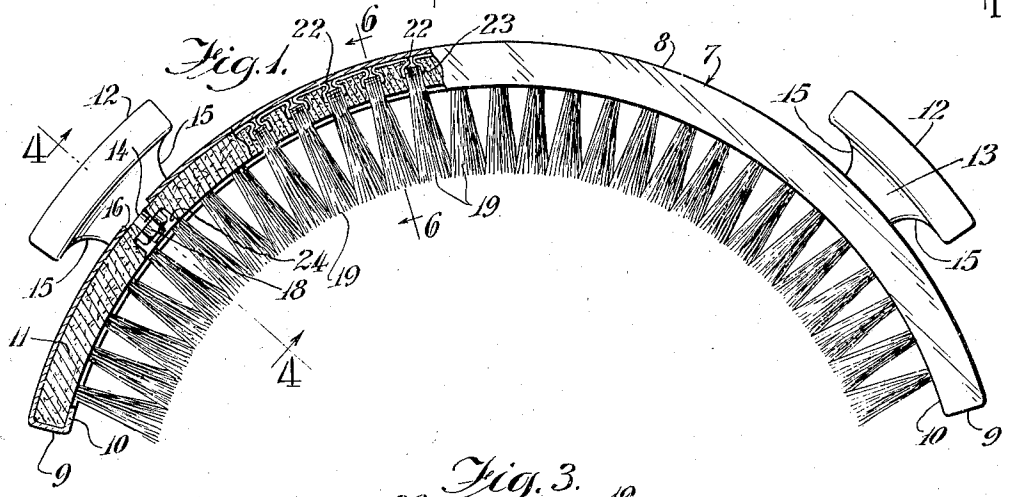


Fig. 3.

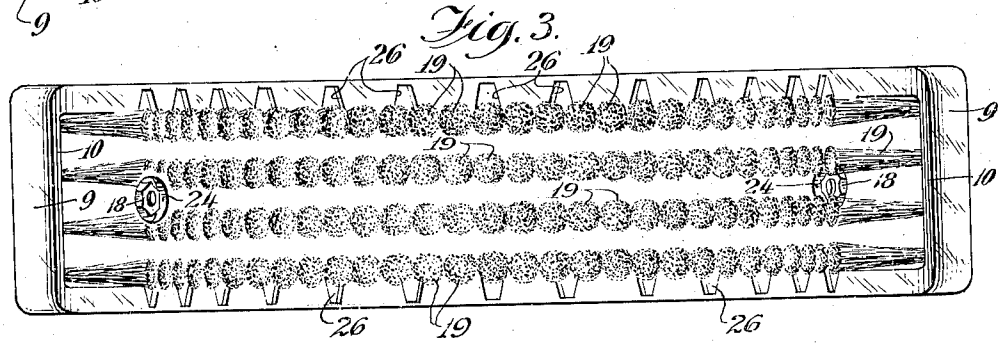


Fig. 4.

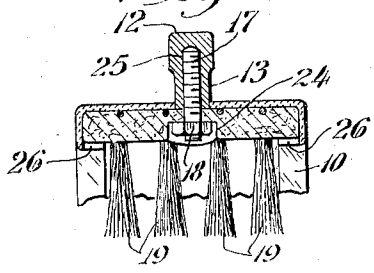
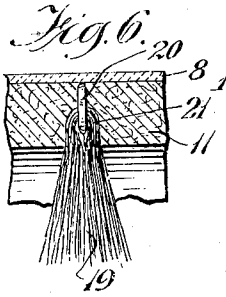


Fig. 6.



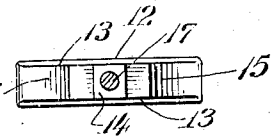


Fig. 5.

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UNITED STATES PATENT OFFICE

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BRUSH

Bertha Cromie, Chicago, Ill.

Application July 26, 1939, Serial No. 286,608

4 Claims. (Cl. 15—160)

This invention relates to brushes and has for its principal object the provision of a brush having a resilient or flexible back member and which will permit of its being formed to a shape configurative with the upper portions of the head of a person, so that the brush may be utilized for brushing the hair by placing it over the head and in one operation or in two or three strokes backward, the entire head of hair will be brushed.

Another object of the invention is the provision of two handle members located so that they may be conveniently gripped by the hand in manipulation of the brush over the head of a person.

Another object of the invention is the provision of a device of the above mentioned character which is practical, durable in construction, useful and efficient in operation, and economical to manufacture in quantity production.

Other features and objects of the invention will become apparent by reference to the accompanying drawing and the ensuing description wherein like symbols designate like parts and in which:

Fig. 1 is a front elevational view of my invention with a portion of it in section in order to disclose in greater detail the nature of the structure (see section line 1—1, Figure 2).

Fig. 2 is a top elevational view of the view shown in Figure 1.

Fig. 3 is a bottom elevational view of the view shown in Figure 1.

Fig. 4 is a cross-sectional view on the line 4—4 of Figure 1.

Fig. 5 is an end view of the handle member comprising my invention.

Fig. 6 is a longitudinal cross-sectional view on the line 6—6 of Figure 1.

Referring to the drawing, my invention is generally characterized by the symbol or numeral 7. The brush is comprised of a resilient backing member designated by the numeral 11 which may be made of rubber, leather, or other similar flexible resilient material.

In order to provide some rigidity to the member 11 and make it semi-rigid, thus providing a means of forming it into a substantial arcuate shape to fit the contour of the head, and yet have it remain in that position unless it is desired to flex the member 11 to change the shape of the brush member, the member 11 is encased in the semi-flexible member designated by the numeral 8.

The member 11 is resilient and flexible for the purpose of providing an equalized action when the brush is moved over the head of a person. It is known as a general rule, that the average forehead of a person is narrower than the rear portion of the head, and this brush in its action, when brushing the hair from front to rear, will tend to equalize the operation when it is moved over the hair, brushing it and keeping it in contact regardless of the unevenness in the shape of the head of the person having his hair brushed.

The member 11 is suitably encased in a Celluloid member designated by the numeral 8, or this member may be made of other suitable material. The member 8 is also provided with a shoulder portion designated by the numeral 9 and a further shoulder designated by the numeral 10, thus encasing the edges of the resilient member 11 and providing a substantial casing for the said flexible member.

The member 8 being made of a semi-flexible material is provided with the notches designated by the numeral 26 which will permit of the brush member being flexed to various shapes as conditions arising thru the use and operation may make it necessary.

The bristles designated by the numeral 19 are secured in the fashion shown in Figure 6 or other similar fashion, or if rubber is used they may be encased or cast right in the mold or placed in the mold, and the plastic rubber pressed over them or formed around them at the point where they are bent over in loop form.

In Figure 6 it can be noticed that the wire member designated by the numeral 20 retains a number of strands of hair or other bristle material which have been folded over as indicated at 21.

The bristles may be held in place by wire stitching as formerly mentioned, and held in place by alternate loop portions formed and designated 22 and 23 respectively, the loops 22 spacing the bristles apart a sufficient distance whereas the loops 23 serving the purpose of holding the folded loop of the bristle members.

The brush is provided with two convenient operating handles designated by the numeral 12 which are shaped approximately as shown, having an undercut portion designated by the numeral 13, and at the side further undercut portions designated by the numeral 15. This permits of its being conveniently grasped by the hands when the brush is manipulated over the head of a person.

The handles are secured to the resilient or flexible member 11 by virtue of a screw member 17 and a lock-nut designated by the numeral 18

(Figure 4). The handle member designated 12 is provided with a tapped hole designated by the numeral 25 to fit the screw designated 17.

The resilient member 11 is provided with two recesses or counter-bores designated 24 in order to permit of a flush attachment of the nut 18 when securing the handle member 12 in place.

It will be noted in Figure 5 that the handle member 12 is provided with a square shoulder designated by the numeral 14 and the Celluloid member designated by the numeral 8 is provided with a recess designated by the numeral 16 which fits the shoulder 14 of the handle 12 and thus tends to locate the handle fixedly in place, and prevents orientation or rotation from the position indicated on the drawing.

The brush may be utilized by grasping the two handles, one in each hand, and carrying the brush with a slight pressure over the head of a person. The bristles then come in contact with the hair and one or more strokes will tend to straighten out the hair, thus making for a very efficient and speedy operation.

The bristles of course may be made of different degrees of rigidity or flexibility in order to provide the desired result. It should be noted that the handle member has been so constructed, that a person may grasp the handle members conveniently in his or her hand and brush his or her hair in this fashion, or the person may desire some other individual to do this operation for him, either method being available and operated with convenience.

My invention possesses a feature which I wish to stress, and that is the fact that it is provided with a resilient and flexible backing member so as to permit the bristles to adhere closely to the hair of the head in the brushing action regardless of the irregularity of the head of a person using my invention.

I believe I have described succinctly the nature, purpose, and use of my invention so that those familiar with the art will have no difficulty in understanding its structure and operation. Inasmuch as I believe that it is susceptible of many alterations, modifications, and improvements, I reserve the right to all such alterations, modifications, and improvements; my invention being limited only by the prior art in the Patent Office at the time of the filing of this application, and the following claims.

Having thus revealed and disclosed my invention, what I claim as new, and what I desire to secure by Letters Patent is:

1. A device of the character described, comprising, a flexible backing member, a series of bristle tuft members secured thereto, and a semi-flexible casing member covering the back portion, the edges and the outer portion of the lower surface of said backing member, the opening thus provided in the said semi-flexible casing member encompassing the perimeter of the bristle area, said casing member provided with notched means to permit flexure.

2. A device of the character described, comprising, a flexible backing member, a series of bristle tuft members secured thereto, a semi-flexible casing member covering the back portion and edges of said backing member, said casing member provided with notched means to permit flexure, and at least two handle members rigidly secured one to each end of said backing member.

3. A device of the character described comprising, a flexible backing member, a series of bristle tuft members secured thereto comprising a bristle section of a length sufficient to straddle, approximately the distance from ear to ear of the scalp of a person's head, a semi-flexible casing member covering the back portion, the edges, and the outer portion of the lower surface of said backing member, the opening thus provided in the said semi-flexible casing member encompassing the perimeter of the bristle area, said casing member provided with notched means to permit flexure, and at least two handle members rigidly secured one to each end of said backing member.

4. A device of the character described comprising, a flexible backing member of sufficient length to encompass the entire scalp of a person, a series of bristle tuft members secured thereto, a semi-flexible casing member covering the back portion, the edges, and the outer portion of the lower surface of said backing member, the opening thus provided in the said semi-flexible casing member encompassing the perimeter of the bristle area, said casing member provided with notched means to permit flexure, and at least two handle members rigidly secured one to each end of said backing member, the said handle members comprising a handle having a reduced shank portion, screw fastening means secured to said shank portion, and a nut member adapted to secure rigidly the said handle to the said backing member.

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