Dec. 6, 1938. R. MAROGG 2,138,872

BRUSH AND BRISTLE THEREFOR

Filed June 26, 1936

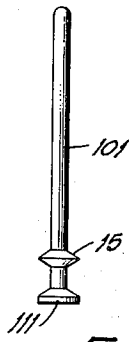


FIG. 2

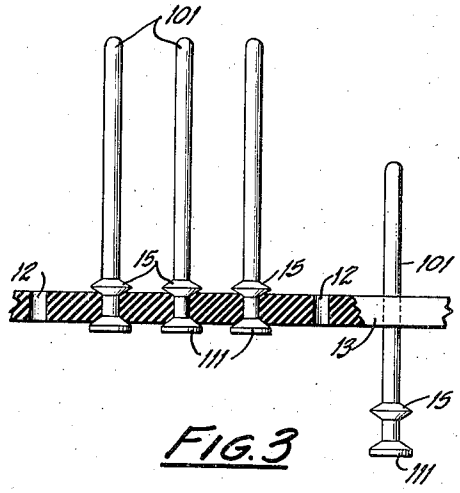


FIG. 3

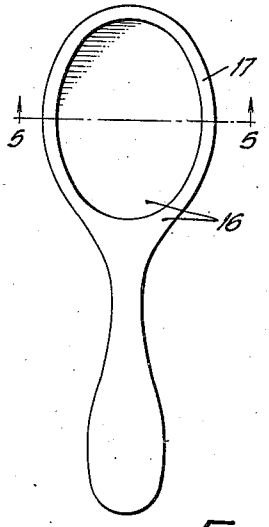


FIG. 4

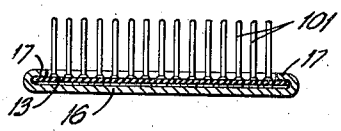


FIG. 5

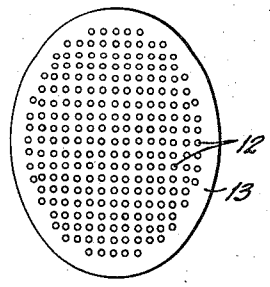


FIG. 6

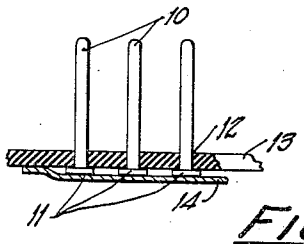


FIG. 1

INVENTOR
RICHARD MAROGG
By Daniel L. Wood
ATTORNEY

Patented Dec. 6, 1938

2,138,872

UNITED STATES PATENT OFFICE

2,138,872

BRUSH AND BRISTLES THEREFOR

Richard Marogg, New York, N. Y.

Application June 26, 1936, Serial No. 87,482

1 Claim. (Cl. 15—186)

My invention more particularly relates to rubber cushion hair brushes in which the bristles are set in a rubber pad provided with perforations. Wire pins, whalebone and other materials have usually been substituted for regular bristles in brushes of this type.

When wire pins have been set in brushes of the foregoing character, they have usually been provided with heads engageable with the inner side of the rubber pad in which they are mounted. In order to prevent the pins from backing out of the perforations in the pad it has been usual to glue a piece or pieces of canvas on the inner side of the pad to retain the pins in position in the perforations. The use of such canvas, however, has added to the cost of the brushes both because of the fact that more material is required than in the ordinary brush of this type and also because of the fact that an extra operation is required. Furthermore, the use of such material is objectionable for the reason that the rubber pad in which the bristles are mounted is less flexible than is the rubber pad of an ordinary brush of this type.

In accordance with my invention, the wire bristles which are mounted in perforations with which the flexible pad is provided are formed with means for retaining the bristles in position within the said perforations or openings of the pad without the use of the usual canvas or other attachments, the said means preferably being in the form of spaced enlargements on the bristles or pins which engage the pad on opposite sides thereof and thereby retain the bristles in position without the use of canvas or other attachments secured to the flexible pad.

My invention will best be understood by reference to the accompanying drawing in which I have illustrated a preferred embodiment thereof and in which

Fig. 1 is a fragmentary view in section of a portion of a brush in which pins or bristles of the character which have hitherto commonly been used in a brush of the foregoing character are secured;

Fig. 2 is a front elevation of a bristle or pin made in accordance with my invention;

Fig. 3 is a fragmentary sectional view generally similar to Fig. 1 in which bristles embodying my invention are secured in position in the openings of a flexible pad;

Fig. 4 is an inverted plan of a brush of the type in which a flexible rubber pad is secured along its edge to the brush back;

Fig. 5 is a section taken along the plane of the line 4—4 of Fig. 4, and

Fig. 6 is a plan view of the perforated flexible pad.

Like reference characters indicate like parts throughout the drawing.

Referring to the drawing, 10 are comparatively long slender bristles of the character which have hitherto been used in brushes of the foregoing type, said bristles passing through respective openings 12 in a flexible pad 13, and each of said bristles being provided with a head 11 engaging the inner side of said pad. Hitherto bristles have been prevented from backing out of their openings by canvas 14 which is glued to the rubber. The use of such canvas is objectionable for the reasons heretofore presented.

In accordance with my invention the bristle is provided with an enlargement 15 spaced from the head 11 and which engages the pad on the opposite side of the pad from the head so that the bristles are secured in position by the head and the enlargement which is spaced therefrom.

The brush back 16 is usually provided at its edge with a flange 17 as best indicated in Fig. 5 in which is received the edge of the flexible pad thereby retaining the pad in position.

It will be evident that when the bristles embodying my invention are inserted in position in the openings of the flexible pad, the engagement of the heads with one side of the pad and the enlargements with the other side thereof, cause the bristles to be locked in position therein, and movement in either direction is prevented. Furthermore, as no canvas or other attachments are required for the inner side of the pad, the pad with the attached bristles is much more flexible than pads which have hitherto been used.

While I have described my invention in its preferred embodiment, it is to be understood that the words which I have used are words of description and not of limitation. Hence, changes within the purview of the appended claim may be made without departing from the true scope and spirit of my invention in its broader aspects.

What I claim is:

A comparatively long slender wire bristle for use in a hair brush of the type in which a flexible rubber pad is mounted on a brush back and provided with openings in which individual bristles are received, a given bristle being provided at its inner end with a head and with an enlargement spaced from said head a distance substantially corresponding to the thickness of the pad in which the bristle is mounted.

RICHARD MAROGG.