

**HAIR BRUSH BRISTLE**

This invention relates to bristles for hair brushes, and more particularly, to bristles adapted to cause hair curling with brushing action.

The primary purpose of the present invention is to provide a novel and improved bristle particularly adapted for hair brushes and which bristle is adapted to cause hair to be curled while  
5 being brushed.

It is further the purpose of the present invention to provide a brush made from the novel bristles of the present invention which is adapted for effectively curling men's straight stubborn hair,  
10 for training growing boys hair, for stretching women's hair before setting to give longer lasting sets, and for general health of hair and scalp by a pull action thereof which causes stimulation of blood and loosening of the scalp.

15 In brief, a bristle constructed in accordance with the present invention is formed with a pair of tapered prongs at an end thereof. The prongs form a V-shaped slit therebetween for causing hair caught therebetween to curl while being brushed.

20 These and other features of the present invention are further described in detail below in connection with the accompanying drawing, in which like numerals designate like parts, and in which:

25 Figure 1 is a side elevation of a hair brush provided with bristles embodying the present invention;

Figure 2 is a fragmentary view of a bristle embodying the present invention, shown on an enlarged scale; and

Figure 3 is a fragmentary top plan view, on an enlarged scale, of the brush of Figure 1.

Referring in detail to the drawing, there is shown, as an embodiment of the present invention, a hair brush 10, containing bristles 12. The brush 10 may be of conventional construction comprising a base 14 of a substantially rectangular shape and a handle 16 provided with ridges 18 for gripping. The bristles 12 are preferably arranged individually, spaced apart from each other approximately a width of a bristle and are held in the base 14 by means of glue or any conventional adhesive. The base 14 may hold about fifteen individual bristles 12 across and about thirty-five bristles 12 longitudinally. It will be understood that the brush construction, as shown in Figure 1, is shown for illustration only. Obviously the novel bristles 12 may be used equally as well with other types or shapes of brushes. Also, the brush base 14 and handle 16 may be of any suitable material, such as plastic or the like.

As shown in Figure 2, each bristle 12 is slit at an end thereof, as indicated at 20. The slit 20 is of a substantially V-shape forming a pair of outwardly diverging or tapering prongs 22. The prongs 22 diverge outwardly from the longitudinal axis of the bristle 12, while their outer sides remain straight. By the slit 20 being wide at the top and narrow at the bottom, the prongs 22 are disposed far apart at the free ends and close together at the basethereof

where they are joined forming a substantially concave surface therebetween at the apex or bottom of the V-shaped slit 20. The V-shaped slit 20 thus permits a single hair strand to be slipped therethrough during the brushing operation as shown in Figure 2. The slit 20 may further be extended centrally of the bristle 12 and past the base of the prongs 22, as indicated at 24, for rendering the prongs 22 more flexible.

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The remaining portion of the bristle 12, however, is solid or integral and of a substantially cylindrical shape for the full length thereof. The bristles 12 may be of any suitable material, such as synthetic material, produced by any well known process. The bristles 12 are also positioned on the brush base 14 with their V-shaped slits 20 being aligned transversely of the base 14, as shown in Figure 3, so that each hair strand is engaged by a series of bristles 12 simultaneously during a brushing operation. However the length of each bristle 12 should be shorter than the usual length of bristles employed in ordinary hair brushes for providing the necessary stiffness and stability required.

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In operation of the hair brush 10 with the novel bristles 12, brushing of the hair causes each strand of hair, as indicated at 26, to be caught or slipped between the prongs 22 and to be slidably squeezed or pinched by the inner sides

of the prongs 22, especially at the apex of the V-shaped prong inner sides, as they are drawn or pulled therethrough. The hair strand 26 pinched by the V-shaped sides of the prongs 22, is caused to curl in the same manner as if held between two fingernails and drawn longitudinally thereof.

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The present invention has been described in detail above for purposes of illustration only and is not intended to be limited by this description or otherwise, except as defined in the appended claims.

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WHAT I CLAIM IS:

1.

A bristle for use in a hair brush adapted to cause hair curling with brush action, said bristle having a substantially V-shaped slit end portion, and said bristle being integral for the remaining portion thereof.

2.

A bristle for use in a hair brush adapted to cause hair curling with brush action, said bristle having a pair of tapered prongs at an end thereof, and said bristle being integral for remaining portion thereof.

3.

A bristle for use in a hair brush adapted to cause hair curling with brush action, said bristle being longitudinally slit at an end thereof, said slit bristle end having inner sides converging inwardly of said end, and an integral portion for the remaining length of said bristle.

4.

A bristle for use in a hair brush adapted to cause hair curling with brush action, said bristle being slit centrally longitudinally at an end thereof forming a pair of prongs, said prongs having inner tapered sides, and said bristle being integral for the remaining portion thereof.

5.

A hair brush adapted to curl hair with a brushing action thereof, comprising a plurality of bristles, each of said bristles having a tapered slit end, and an integral portion for the remaining length thereof.

6.

A hair brush adapted to curl hair with the brushing action thereof, comprising a plurality of bristles, each of said bristles being slit longitudinally centrally at an end thereof, and said slit end being tapered inwardly for a portion thereof from said end.

7.

A hair brush comprising a base and bristles secured thereto, said bristles each having an end portion slit longitudinally centrally thereof forming a pair of prongs and said bristle prongs each having an inner tapered side for engaging hair therebetween and causing the hair to be curled with brushing action.

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A bristle for use in a hair brush adapted to cause hair curling with brush action, said bristle having a pair of prongs at an end thereof, said prongs having inner sides diverging outwardly from the longitudinal axis of said bristle, said bristle being slit between said prongs at the base thereof, thereby causing hair strands slipped between said prongs to curl with a brushing action.

OATH, POWER OF ATTORNEY AND PETITION

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Being duly sworn, I, Francis N. Dixon, depose and say that I am a citizen of the United States of America, residing at 2000 N.W. 10th Street, Miami 35, Florida; that I have read the foregoing specifications and claims and I verily believe I am the original first, and sole inventor of the invention in Hair Brush Bristle described and claimed therein; that I do not know and do not believe that this invention was ever known or used before my invention thereof, or patented or described in any printed publication in any country before my invention thereof, or more than one year prior to this application, or in public use or on sale in the United States more than one year prior to this application; that this invention has not been patented in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months before this application; and that no application for patent on this invention has been filed by me or my representatives or assigns in any country foreign to the United States, except as follows:

And I hereby appoint Paul M. Pahules, 801 Ainsley Building, Miami 32, Florida, Registration No. 17,867, my attorney to prosecute this application and to transact all business in the Patent Office connected therewith.

