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V. ISBELL

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HAIR CURLER

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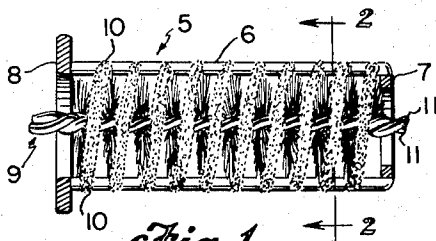


Fig. 1.

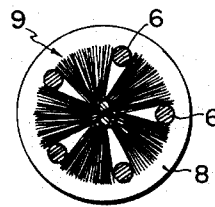


Fig. 2.

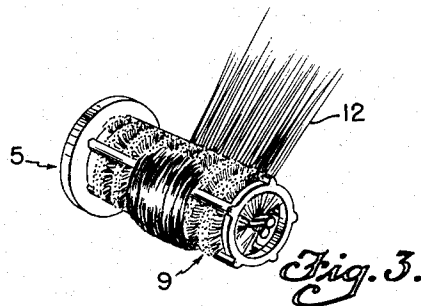


Fig. 3.

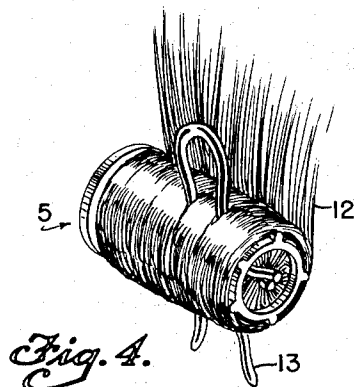


Fig. 4.

VERNON ISBELL

INVENTOR

BY

Herbert J. Brown

ATTORNEY

UNITED STATES PATENT OFFICE

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HAIR CURLER

Vernon Isbell, Fort Worth, Tex.

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2 Claims. (Cl. 132-40)

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This invention relates to hair curlers such as those used for permanently waving hair, either in beauty shops or in the home.

An object of the invention is to provide a curler which will frictionally engage the hair at the beginning of each curling operation and whereby the same may be quickly and effectively accomplished.

Another object of the invention is to provide a curler for the described purpose which will curl short strands of hair.

A further object of the invention is to provide an inexpensive curler which tightly curls the hair even though the curler is relatively small.

The invention will be readily understood by reference to the accompanying drawing and the following description.

Figure 1 is a longitudinal sectional view of a hair curler embodying the features of the invention.

Figure 2 is a transverse sectional view taken on line 2-2 of Figure 1.

Figure 3 is a perspective view of the invention applied to a partially curled strand of hair.

Figure 4 is a perspective view similar to Figure 3, but showing the curled strand of hair secured in place by means of a hair pin.

The form of the invention shown includes a cylindrical cage 5 comprised of spaced parallel rods 6 of equal length joined at corresponding ends by means of an integral transverse ring 7 and by an integral outwardly flanged transverse ring 8 on their remaining ends. The cage may be made of plastic by injection molding, but any suitable material and fabrication means may be employed. Preferably, the first described ring 7 has an inside diameter less than the inside diameter defined by the cylindrically arranged rods 6 so as to serve as a stop for a cylindrical spiraled brush 9 which is inserted and removed from the cage 5 through the outwardly flanged ring 8. The bristles 10 of the brush 9 are secured between twisted lengths of wire 11 and have their outer ends extending substantially to the outer diameter defined by the cylindrically arranged rods 6 and at least slightly beyond imaginary straight lines drawn between the outer surfaces of said rods.

In operation, the end of the hair 12 to be curled is frictionally engaged in the exposed ex-

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tending ends of the bristles 10 of the brush 9, and by rotating the entire assembly, the hair 12 is wound around the rods 6 of the cage 5. The outwardly extending ring 8 provides finger gripping means for the last described operation. After the hair 12 has been tightly wound around the rods 6, a hair pin 13 or other holding means is inserted therethrough in the manner illustrated in Figure 4 to hold the curl thus formed in place. It is to be understood that waving lotion, set solution or the like, may be applied to the hair in the usual manner, before or after the curling operation, as desired. After drying, the hair pin 13 or other holding means is removed, and the resulting partial uncurling of the hair permits removal of the assembled cage 5 and brush 9.

The invention is not limited to the specific construction herein shown and described but may be made in many ways within the scope of the appended claims.

What is claimed is:

1. A hair curler comprised of a cage of cylindrical arranged parallel rods, rings secured to the respective ends of said rods and perpendicular to the lengths thereof, a cylindrical brush received within said cage, said brush having the bristles thereof perpendicular to its axis and extending outwardly thereof substantially to the outer diameter defined by said rods, the inside diameter of one of said rings being less than the inside diameter defined by said rods, and the inside diameter of the remaining said ring being substantially equal to the inside diameter of said rods.

2. A hair curler as defined in claim 1, and wherein a circular perpendicular flange is provided around said cage.

VERNON ISBELL.

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