Dec. 9, 1941. A. REITER 2,265,492

HAIR CURLER

Filed Dec. 4, 1940

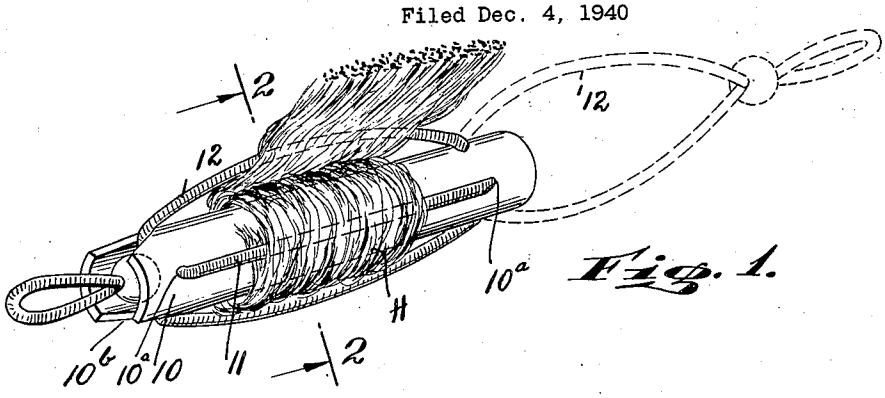


Fig. 1.

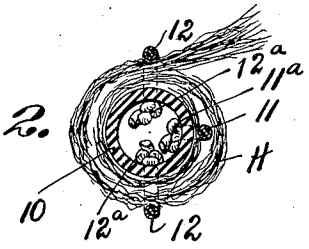


Fig. 2.

Fig. 3.

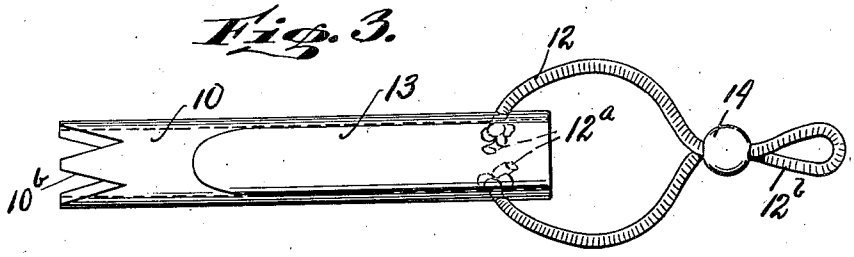
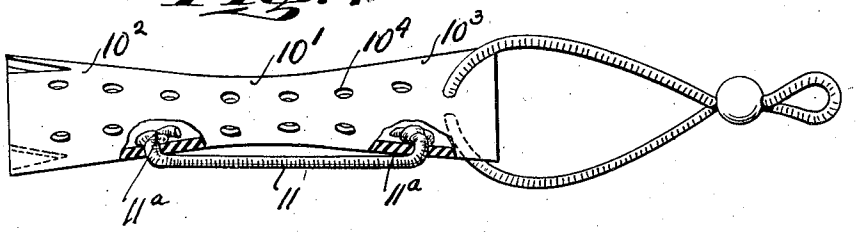


Fig. 4.



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HAIR CURLER

Adolph Reiter, New York, N. Y.

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9 Claims. (Cl. 132—41)

This invention relates to hair curlers and has for its principal object to provide a construction which will be not only simple and cheap to manufacture but which can be used, even while sleeping, without causing any discomfort to the user.

The hitherto used hair curlers are made either wholly or partly of metal and have the disadvantage that pressure is caused on the head of the user due to the stiffness of the materials of said curlers.

To accomplish my object and thereby obviate the disadvantages of said old curlers, I construct my curler so that soft material for all parts thereof can be used.

In the accompanying drawing which constitutes part of this specification and in which similar reference characters denote corresponding parts,

Figure 1 is a perspective view of one embodiment of my curler.

Figure 2 is a cross section on line 2—2 of Fig. 1.

Figure 3 is a side elevation of a modified construction of the curler, and

Figure 4 is a side elevation of another modification.

Referring to the drawing more in detail, first to the modification shown in Figs. 1 and 2, my new hair curler comprises a cylindrical member 10 made of soft, flexible material, such as soft rubber, sponge rubber or the like. This member may be either tubular with open or closed ends, or solid. Attached with both ends to said member, is a resilient element 11, of soft flexible material, such as an elastic cord or the like, which extends longitudinally over the outer face of said member 10. In the present embodiment the attachment of said elastic cord is obtained by passing the ends thereof through holes 10*a* of said member and knotting the same inside said member as at 11*a*. This element 11 is adapted to engage and clamp the hair between itself and the member 10 as shown in the drawing. Suitably attached to one end of said member 10 is a loop 12 of elastic material or the like which is capable of engaging a notch or notches 10*b* provided in the opposite end of said member. Said loop when stretched longitudinally over said member and snapped into a notch 10*b* will fasten the curler in curling position to the hair of the user.

In the modification shown in Figure 3, instead of an elastic cord, a clamping tongue or flap 13 of soft flexible material such as soft rubber is used. This tongue is permanently attached to the member at one end only and extends freely longitudinally over the outer face of said member. The attachment thereof may be effected by gluing or in any other suitable manner. This tongue or flap is adapted to frictionally engage and clamp the hair between itself and the member 10 when the hair is wound around the same. In other respects the construction may be the same as in the first modification.

In Figure 4 the body of the member 10′ is made to widen towards its ends as at 10^2, 10^3, whereby the displacement of the hair curled around said member will be prevented from sliding off the same.

Suitable means may be used for shortening the loop 12 for greater tightness, to cause the flexible member to assume a curved shape if such be desired. Such means may be a bead 14 adjustably strung on the loop as shown. The free end 12*b* of the loop may serve as a handle.

The body of the flexible member may be perforated as at 10^4 for causing quick drying.

In use the hair of the user is passed either between the elastic cord and flexible member 10 or between the flap 13 and said member, then wound around the same as many times as desired. The loop 12 is then stretched longitudinally over the member 10 and snapped into a notch 10*b* of the latter thereby fastening the curler to the hair of the user.

Various changes may be made in the construction of my device without departing from the principle of my invention. I, therefore, do not wish to restrict myself to the details described and shown.

What I claim is:

1. In a hair curler the combination of a member widening towards the ends of soft flexible material, a clamping element of soft material fixed to said member and extending longitudinally over the outer face thereof, said clamping member being adapted to clamp the hair between itself and said member, elastic means fixed at one end to said flexible member for fastening the curler in curling position to the hair of the user, means at the opposite end of said flexible member for engaging said elastic means and means on said elastic means to vary the tension of said elastic means.

2. In a hair curler the combination of a perforated member of soft flexible material, a clamping element of soft material fixed to said member and extending longitudinally over the outer face thereof, said clamping member being adapted to clamp the hair between itself and said member, elastic means fixed at one end to said flexible

member for fastening the curler in curling position to the hair of the user, means at the opsite end of said flexible member for engaging said elastic means and means on said elastic means to vary the tension of said elastic means.

3. In a hair curler of the character described, a cylindrical body formed at one end with wedge shaped incisions extending longitudinally from the edge thereof, a hair clamping element attached to said body and extending longitudinally over the outer face thereof, and an elastic loop for fastening the curler in active position, said loop being attached to the opposite end of said body and when stretched longitudinally adapted to pass into said incisions and to be tightly held thereby in its stretched condition and means for varying the tension of the elastic element.

4. In a hair curler of the character described, a tubular body formed at one end with wedge shaped incisions extending longitudinally from the edge thereof, a hair clamping tongue attached at one end to said body and extending longitudinally over the outer face thereof, an elastic loop for fastening the curler in active position, said loop being attached to the opposite end of said body and when stretched longitudinally adapted to pass into said incisions and thereby held in its stretched condition and means for varying the tension of the elastic element.

5. In a hair curler of the character described, a flexible body, a flexible hair clamping element attached to said body and extending longitudinally over the outer face thereof, an elastic element for fastening the curler in active position, said element being attached to one end of said body and when stretched longitudinally adapted to engage the opposite end of said body and thereby retained in its stretched condition and means adjustably borne by said elastic element for varying the tension of the latter.

6. In a hair curler of the character described, a flexible body, a flexible hair clamping element attached to said flexible body and extending longitudinally over the outer face thereof, an elastic element for fastening said curler in active position, said element being attached to one end of said body and when stretched longitudinally adapted to engage the opposite end of said body and be retained thereby in stretched condition and a member adjustably borne on said elastic element for varying the tension of the latter.

7. In a hair curler of the character described, a body of liquid retaining material, a flexible hair clamping element attached to said body and means on said body for fastening said curler in active position.

8. In a hair curler of the character described, a body of sponge rubber, a hair clamping element attached to said body and extending longitudinally over the outer face thereof, and an element for fastening said curler in active position, said element being attached to one end of said body and adapted to engage the opposite end of said body and be retained thereby.

9. In a hair curler of the character described, a cylindrical body having laterally flaring ends, a hair clamping element attached to said body, one of said flaring ends having wedge shaped incisions extending longitudinally from the edge thereof, and an elastic loop for fastening the curler in active position, said loop being attached to the opposite end of said body and when stretched longitudinally adapted to engage said incisions and be retained thereby in stretched condition.

ADOLPH REITER.