April 3, 1934. C. K. THAU 1,953,787

HAIR CURLING DEVICE

Filed Jan. 5, 1933



Fig. 1.

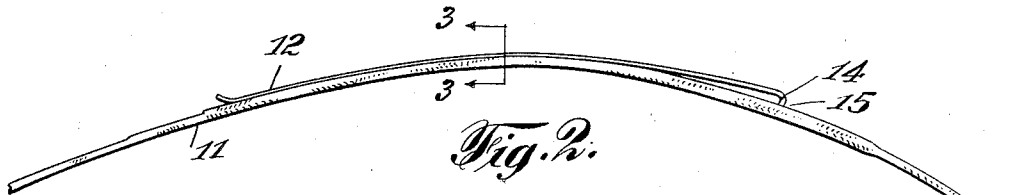


Fig. 2.

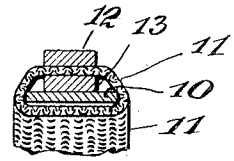


Fig. 3.

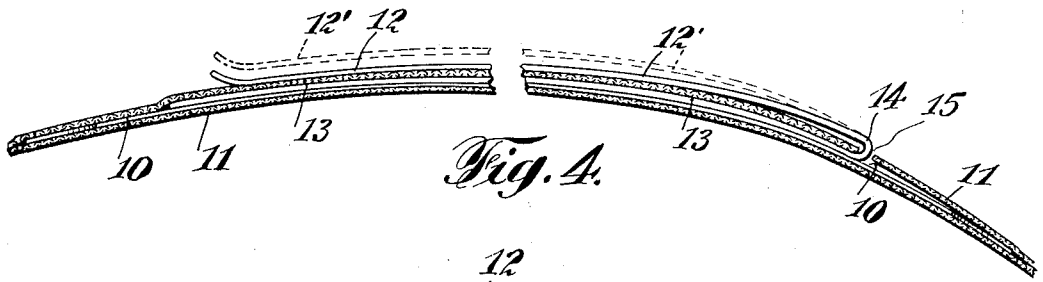


Fig. 4.

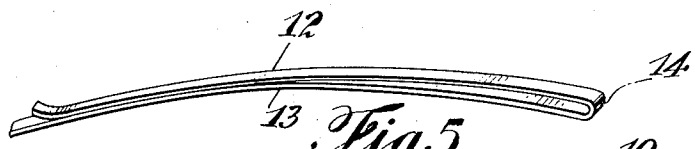


Fig. 5.

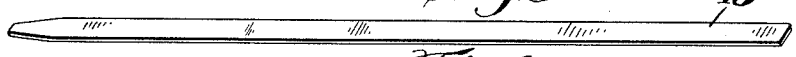


Fig. 6.



Fig. 7.

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HAIR CURLING DEVICE

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Application January 5, 1933, Serial No. 650,210

6 Claims. (Cl. 132—43)

My invention relates to hair curling devices and refers particularly to hair-curlers having a member normally under resilient pressure against another member of the device, thus acting as a retaining member for strands of hair positioned between these two members.

Another feature of my device is that this resilient pressure is not affected by bending the flexible metal holding member which acts as a holding means for the device when it is in operating position.

An advantage of my device is that after the hair-curler has been operated for curling the hair, it is adapted to be worn in the curled hair thereafter, in a concealed position, for thereby securely retaining the hair in its curled condition.

The above and other desirable features of my device will be evident upon a consideration of my specification and its accompanying drawing.

In the accompanying drawing, illustrating one form of the device of my invention:

Figure 1 is a face view of one form of my device.

Figure 2 is a side view of the device, shown as turned end for end relatively to Figure 1.

Figure 3 is an enlarged section through the line 3—3 of Figure 2.

Figure 4 is a somewhat enlarged vertical section, with parts broken away, of the device as shown in Figure 2.

Figure 5 is a perspective view of the retaining member of my device.

Figure 6 is a perspective view of the metal piece of my device.

Figure 7 is a perspective view of the sleeve of my device.

The particular form of the device of my invention shown in the accompanying drawing, comprises a piece of flat flexible metal 10 which is covered by a woven, knit, braided or otherwise formed textile sleeve 11 fitting tightly to the metal 10.

The retaining element of my device consists of an elongated piece of somewhat narrow resilient material bent upon itself to form two arms 12 and 13, which because of the curved form of the bend 14, abut upon each other for a portion of their length.

The lower arm 13 of the retaining member is passed through a hole 15 in the textile sleeve 11 until it rests between the metal piece 10 and the sleeve 11, the upper arm 12 then being exposed and being resiliently pressed upon the outer face of the sleeve 11.

It will be noted that the end portions of the metal strip 10 project for some distance beyond the inner arm 13 of the retaining member, while the encasing sleeve 11 covers and extends beyond the ends of this metal piece 10.

The retaining element will be carried by the textile sleeve 11 because of the tight fit of its inner arm 13 therein and also by reason of the resilient abutment of its two arms 12 and 13 against the outer and inner faces of this sleeve.

The extremity of the outer arm 12 is bent slightly away from the arm 13 in order that this arm may be readily pulled away from the sleeve 11 for the placement of hair between this sleeve and the arm 12 of the retaining element.

The application of my device to the hair may be accomplished in a simple manner, with effective results, and when so applied my device will be entirely invisible.

The outer arm 12 of the retaining element is raised from the sleeve 11, as indicated at 12' in Figure 4, the end portions of the hair are inserted between the sleeve 11 and the arm 12, and the latter is released, thus holding the hair firmly against the outer face of the sleeve 11. The device is then turned upon its longitudinal axis until sufficient hair is wound thereon, this hair then being in the form of a rolled curl. The outer end portions of the flexible metal strip 10 within its textile sleeve 11, are bent over toward each other, beyond the inner arm 13 of the resilient retaining element, thus holding the device and the curled hair in fixed position. These end portions are thus bent over inwardly, or behind the curl of hair, so as to be concealed thereby. The device of my invention is adapted to be thus worn for permanently maintaining the curl in shape, and then presenting an attractive appearance, my device not being visible, nor is there any indication of its presence.

It is to be noted that the bending of the outwardly extending end portions of the flexible metal member 10 does not affect the resiliency of the resilient retaining element, nor does it affect the pressure of the arm 12 of this element upon the hair.

I do not limit myself to the particular size, shape, number or arrangement of parts or material particularly described, as these are given simply as a means for clearly describing the device of my invention.

What I claim is:—

1. A hair curler comprising an elongated flexible metal member, a flexible tubular member surrounding said metal member, and a resilient ele-

ment carried by an intermediate portion of said tubular member inwardly from the ends of the latter, a portion of said resilient element being normally resiliently pressed upon the outer face of said tubular member said resiliency being adapted to retain hair between said resilient element and said tubular member.

2. A hair-curler comprising an elongated flexible metal member, a flexible tubular member surrounding said metal member, and a hair-retaining element carried by an intermediate portion of said tubular member inwardly from the ends of the latter and being normally under resilient abutment upon the outer face of said tubular member said resiliency being adapted to retain hair between said resilient element and said tubular member.

3. A hair curler comprising an elongated flexible metal member, a flexible tubular member surrounding said metal member, and a piece of resilient material bent upon itself to form two adjacent longitudinally extending arms, one of said arms being positioned between the flexible metal member and said tubular member and the other of said arms being positioned along the outside face of said tubular member and abutting resiliently thereon said resiliency being adapted to retain hair between said resilient element and said tubular member, the bend in said piece of resilient material passing through one side of said tubular member in spaced relation inwardly from an end of said tubular member and of said flexible metal member, and the ends of said arms terminating inwardly in spaced relation from the other ends of said flexible metal member and tubular member.

4. A hair-curler comprising a flat strip of flexibly deformable metal, a textile sleeve fitting snugly around said strip, said sleeve having a hole through one of its flattened sides in spaced relation inwardly from one of its ends and in spaced relation inwardly from the adjacent end of said strip, a flat elongated reversely rebent resilient hair-retaining element having an intermediate bend providing two arms extending flatwise alongside of one another, said bend passing through said hole with said arms extending towards the remote ends of said strip and sleeve, one of said arms being disposed between a flat side of said strip and the inner face of said sleeve and the other said arm extending along the outside face of said sleeve and abutting resiliently thereon said resiliency being adapted to retain hair between said resilient element and said tubular member, the ends of said arms terminating in spaced relation inwardly from said remote ends of said strip and sleeve.

5. A hair-curler comprising a flat strip of flexibly deformable metal, a textile sleeve of greater length than said strip fitting snugly around said strip and extending beyond both ends of the latter, said sleeve having a hole through one of its flattened sides in spaced relation inwardly from one end of said strip, a flat elongated reversely rebent resilient hair-retaining element having an intermediate bend passing through said hole and providing an inner arm extending between a flat side of said strip and the inner face of said sleeve and an outer arm opposed to the inner arm and extending flatwise along the outside flattened face of said sleeve and abutting resiliently thereon said resiliency being adapted to retain hair between said resilient element and said tubular member, the ends of said arms terminating in spaced relation inwardly from the adjacent end of said strip.

6. A hair-curler comprising a flat strip of flexibly deformable metal, a textile sleeve fitting snugly around said strip, a flat elongated reversely rebent resilient hair-retaining element having an inner arm snugly received between the inner face of said sleeve and a flat side of said strip and having an outer arm extending along an outside flattened face of said sleeve, said resilient element being positioned longitudinally of said strip and sleeve and carried thereby by the snug fit of its inner arm within the sleeve together with the resilient abutment of the two said arms against the inner face and outer face of said sleeve said resiliency being adapted to retain hair between said resilient element and said tubular member.

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