Sept. 3, 1935. E. F. LECHLER 2,013,183

HAIR CURLING DEVICE

Filed Dec. 7, 1934

Fig. 1.

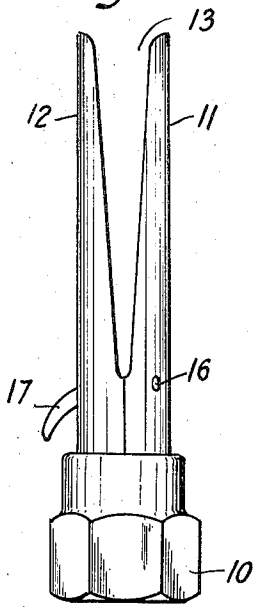


Fig. 2.

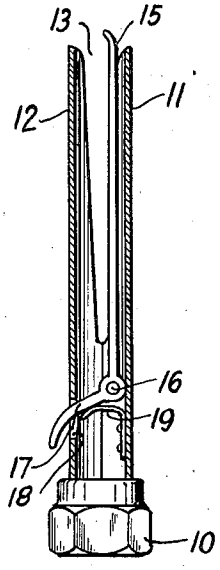


Fig. 3.

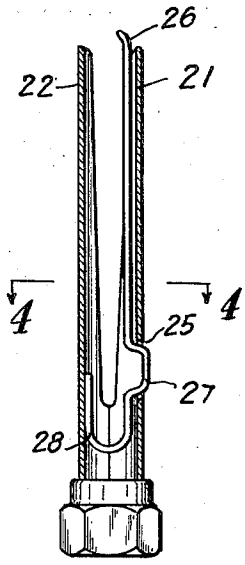
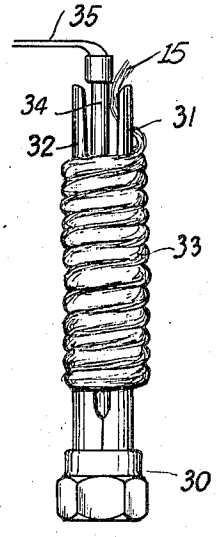


Fig. 5.



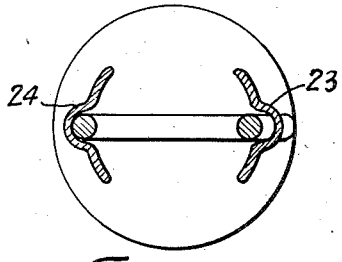


Fig. 4.

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HAIR CURLING DEVICE

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Application December 7, 1934, Serial No. 756,383

8 Claims. (Cl. 132—33)

This invention relates to a hair curling device.

It is the object of this invention to provide a device for curling the hair which will be simple and efficient in construction and easy to manufacture.

It is a further object to provide a device which may be used to effect a curl in the hair but in which the curl may be maintained during the setting period by a hair-pin or the like, after the curling device is removed.

The invention accordingly comprises a product possessing the features, properties, and the relation of components which will be exemplified in the product hereinafter described and the scope of the application of which will be indicated in the claims.

For a fuller understanding of the nature and objects of the invention, reference should be had to the following detailed description, taken in connection with the accompanying drawing, in which:

Figure 1 is an elevation of a curler made in accordance with this invention,

Figure 2 is a central section of the same,

Figure 3 is a central longitudinal section of a modification,

Figure 4 is a section along the line 4—4 of Figure 3, and Figure 5 is a modification in which a heating element is interposed in the device.

The device consists primarily of a head 10 having two outwardly extending prongs 11 and 12 parallel to and spaced apart from each other to provide an opening 13 between them. These prongs are preferably substantially in the form of semi-cylinders but with their diameters toward each other. Means are provided upon the device for retaining the ends of the hair, which may conveniently take the form of a bar 15 pivoted at 16 to the inside of one of the prongs to lie within its longitudinal recess, having an arm 17 extending out through an opening 18 in the other prong; the bar 15 being spring held against the side of the prong 11 by a spring 19.

With this construction it will be clear that the ends of the hair may be slipped between the prong 11 and the bar 15 and will be resiliently held there. Thereafter the device may be turned to wind the hair upon the exterior of the prongs 11 and 12 in turns one on top of the other as far as desired. A hairpin or other like device may then be inserted in the recess between the prongs, being held in place by the shape of the prongs.

The arm 17 may then be depressed, the device removed and the hair then transferred to the hairpin, whereupon the device may be used again on a succeeding lock of hair.

In the modification illustrated in Figure 3, the form of the spring has been somewhat modified to reduce the cost of construction. In this form the prongs 21 and 22 have longitudinal outwardly extending ribs 23 and 24, and one of them, for example the prong 21, has a recess 25 cut through one of the ribs; a spring has a long member 26 corresponding to the bar 15 adapted to fit within the rib 23 of the prong 21 and having a bent out portion 27 extending through the opening 25. The lower end of the spring is bent upwardly as shown at 28 to engage the other prong 22 fitting within the groove thereof, to hold the spring in place.

With this construction it will be clear that the operation will be substantially the same as that illustrated in Figure 2 except that in order to release the spring the fingers may be caused to press upon the outwardly projecting portion 27.

It will be clear that the arm 17 and the projecting portion 27 are optional, as in many cases if the spring pressure be not too great the hair may be slipped off of the instrument without the necessity of manually releasing the spring.

In the form of the device shown in Figure 5 the device includes a base member 30 and prongs 31 and 32 which may be of any of the forms heretofore illustrated and around these prongs the hair as shown in this figure as 33 is wound in turns, one on top of the other, in the manner previously described.

Within the recess defined by the prongs is then inserted a heating element 34 which may be heated by electric cords illustrated as 35. In this manner the hair may be given its set more quickly and in some cases this will render it unnecessary to transfer the hair to a permanent device such as a hairpin.

Since certain modifications may be effected in the above product without departing from the scope of the invention, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the following claims are intended to cover all of the generic and specific features of the invention herein described, and all statements of the scope of the invention which, as a matter of language, might be said to fall therebetween.

Having described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A device for curling a flat lock of hair into a

plurality of superposed layers comprising a cylindrical member having an outer curling surface slotted longitudinally throughout the length of the curling surface, clamping means within the cylindrical member extending the length of the curling surface for gripping the hair, whereby a flat lock of hair, of a width equal to the length of the curling surface may have the ends of all of the hairs distributed throughout the length of the curling surface and clamped within said slot, and means external to said curling member for releasing said clamp from the outside, after the lock is curled.

2. A device for curling a flat lock of hair into a plurality of superposed layers comprising a cylindrical member having an outer curling surface slotted longitudinally throughout the length of the curling surface, a clamp contained within the cylindrical member and extending the length of the curling surface and spring means for holding said clamp against the inner surface of said cylindrical member free from the slot whereby a flat lock of hair, of a width equal to the length of the curling surface may have the ends of all of the hairs distributed throughout the length of the curling surface and clamped within said slot, and means external to said curling member for releasing said clamp from the outside after the lock is curled.

3. A device for curling a flat lock of hair into a plurality of superposed layers comprising a cylindrical member having an outer curling surface slotted longitudinally throughout the length of the curling surface, a clamp contained within the cylindrical member and extending the length of the curling surface and spring means for holding said clamp against the inner surface of said cylindrical member free from the slot whereby a flat lock of hair, of a width equal to the length of the curling surface may have the ends of all of the hairs distributed throughout the length of the curling surface and clamped within said slot, and means external to said curling member for releasing said clamp from the outside after the lock is curled, said clamping member being of such size relative to the interior of the winding member as to permit the insertion of a retaining member to hold the curl in place after it is removed from the device.

4. A device for curling a flat lock of hair into a plurality of superposed layers comprising a cylindrical member having an outer curling surface slotted throughout the length of the curling surface to form two semi-cylindrical portions, each of said portions having a longitudinal ridge, a clamp contained within the cylindrical member and extending the length of the curling surface and spring means for holding said clamp against the inner surface of said cylindrical member free from the slot whereby a flat lock of hair, of a width equal to the length of the curling surface may have the ends of all of the hairs distributed throughout the length of the curling surface and clamped within said slot, and means external to said curling member for releasing said clamp from the outside after the lock is curled.

5. A hair curling device comprising a pair of concave parallel arms held in spaced relation to form a slot between them, a spring member having a pair of legs held between said parallel arms, one of said legs extending substantially to the end of said arms and being pressed against one of them.

6. A hair curling device comprising a pair of concave parallel arms held in spaced relation to form a slot between them, a spring member having a pair of legs held between said parallel arms, one of said legs extending substantially to the end of said arms and being spring pressed against one of them, said arm having a hole therein and said leg having a projection extending through said hole.

7. A hair curling device comprising a pair of concave parallel arms held in spaced relation to form a slot between them, each of said arms having a longitudinal rib thereon, a spring member having a pair of legs held between said arms and within said rib, one of said legs extending substantially to the end of the arms and being spring pressed against one of them.

8. A device for curling hair comprising a pair of semi-cylindrical members held in spaced relation to form a slot between them, clamping means between said members extending substantially throughout the length thereof and disposed at one side thereof to provide room for a heating element and a heating element within said members.

ERWIN F. LECHLER.