Jan. 20, 1953 E. G. HARRINGTON 2,625,941

PIN CURLER FOR COLD WAVING

Filed Jan. 8, 1952

Fig. 1

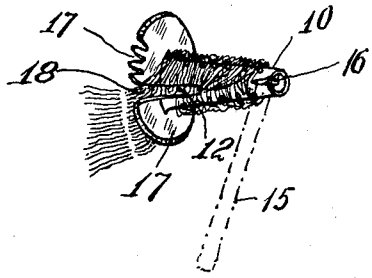


Fig. 3

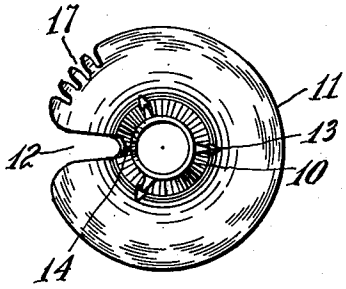
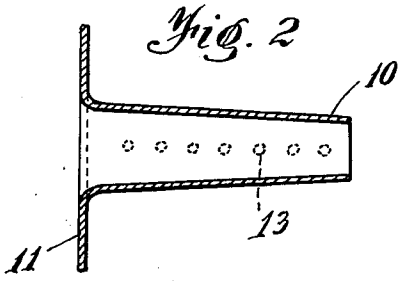


Fig. 2



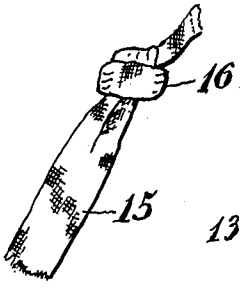




Fig. 6

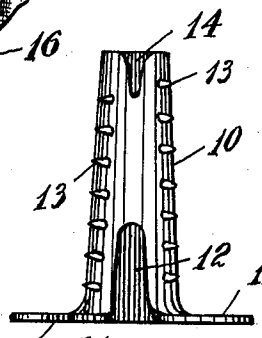


Fig. 4

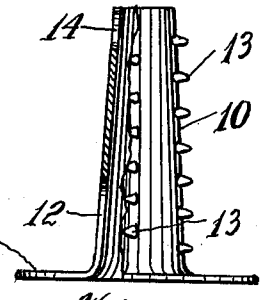


Fig. 5

Ethel G. Harrington

Inventor

By Paige & Hamath

Attorney

Patented Jan. 20, 1953 2,625,941

UNITED STATES PATENT OFFICE

2,625,941

PIN CURLER FOR COLD WAVING

Ethel G. Harrington, North Braddock, Pa.

Application January 8, 1952, Serial No. 265,407

6 Claims. (Cl. 132—42)

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This invention relates to a curling device and particularly to a device for forming what are commonly called "pin-curls." The advent of solutions which make it possible to wave human hair at home without the use of added heat has created a considerable demand for a curling device which could be used with such solutions and produce a curl which is equivalent to that produced by professional operators using well known heat methods. Several devices have heretofore been used but none of them have been entirely satisfactory for one reason or another.

The invention provides a curling device which can be used with modern home waving solutions to produce curls of a character equivalent to those produced by professional heat machines. The hair curling device of the invention comprises generally a hollow elongated member, a base extending outwardly around one end of said member, a slot in said base and member extending to a point intermediate the ends of said member, a notch in the ends of said member opposite the base, flexible means engaging said notch and adapted to be wrapped around said member and a serrated portion on said base engaging the end of the flexible means opposite its engagement with the notch.

Preferably the elongated member is in the form of a frustum of a cone so that as the hair is wrapped about it it forms a spiral of decreasing diameter.

Outwardly projecting spikes or projections are provided on the exterior surface of the hollow member in order to hold the wrapped hair in place and prevent slippage.

Accordingly the objects of this invention are to provide a hair curling device which can be readily handled by those unskilled in hair styling in the production of curls having a professional appearance, to provide a decvice upon which the hair can be readily wound without the need of professional assistance and to provide a device which can be readily and easily used in relatively large numbers to produce "pin curls" in hair of varying length.

Other objects and advantages of this invention will become apparent from the accompanying description and drawings in which:

Figure 1 is a perspective view of a hair curling device of this invention.

Figure 2 is a longitudinal section of the device shown in Figure 1.

Figure 3 is a top plan view of the device of Figure 1.

Figure 4 is a side elevation of the device of Figure 1.

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Figure 5 is a side elevation partly cut away of the device of Figure 1 looking from the right of Figure 4, and

Figure 6 is a perspective view of a flexible means usable with Figure 1.

Referring to the drawings there is shown an elongated body member 10 in the shape of a frustum of a cone. A radially outwardly extending flange 11 surrounds the base of the member 10 and is integral with it. A slot 12 is provided in the flange 11 and body member 10 and extends to a point intermediate the ends of the body member. A series of radially projecting spikes 13 are spaced apart around the member 10 and project outwardly from its surface. A notch 14 is cut into the upper edge of the member 10 opposite the flange 11. Into this notch 14 is inserted the end of a flexible member 15 having a knot 16 in the end thereof which engages the notch 14 and retains the flexible member 15 in the notch 14. A series of serrations 17 in the outer edge of the flange 11 engage the end of the flexible member 15 opposite the knot 16.

The operation of the device is as follows: The hair on the head is divided up into areas of about one inch square. The hair on this area is collected into a single strand 18. This strand 18 is carried through the slot 12 in the flange and elongated member. The flange 11 is placed against the head and the strand of hair is wound around the outside of the member 10 in engagement with the projections 13. After all of the strand is wound about the member 10, the knot 16 of the flexible member 15 is inserted in the notch 14 and the flexible member 15 is wound about the member 10 over the hair. The free end of the flexible member 15 is then engaged on the serrations 17 of the flange 11. The entire device with the strand of hair around it is coated with wave solution and allowed to dry after which the device may be removed.

While a preferred embodiment of this invention has been illustrated and described it is to be understood that it may take other forms and modifications within the scope of the following claims.

I claim:

1. A hair curling device comprising a hollow frusto conical member, a radially extending annular flange at the base of said member, a slot in said flange and member extending to a point intermediate the ends of the frusto conical member, a notch in the top edge of the frusto conical member, flexible means engaging said notch and adapted to be wrapped around said member and a serration on the edge of the flange engaging

the end of the flexible means opposite its engagement with the notch.

2. A hair curling device comprising a hollow frusto conical member, a radially extending annular flange at the base of said member, a plurality of spikes extending outwardly from the surface of the frusto conical member, a slot in said flange and member extending to a point intermediate the ends of the frusto conical member, a notch in the top edge of the frusto conical member, flexible means engaging said notch and adapted to be wrapped around said member and a serration on the edge of the flange engaging the end of the flexible means opposite its engagement with the notch.

3. A hair curling device comprising a hollow frusto conical member, a radially extending annular base on said member, a series of projections staggered over the exterior surface of the frusto conical member from end to end, a slot in said base and member extending to a point intermediate the ends of the frusto conical member, a notch in the top edge of the frusto conical member, flexible means engaging said notch and adapted to be wrapped around said member and a serrated portion on the edge of the base engaging the ends of the flexible means opposite its engagement with the notch.

4. A hair curling device as claimed in claim 3 in which the projections extend from end to end of the frusto conical member in a series of substantially equally spaced apart lines running from the base of the frusto conical member to the top thereof.

5. A hair curling device comprising a hollow elongated member, a base extending outwardly around one end of said member, a slot in said base and member extending to a point intermediate the ends of said member, a notch in end of said member opposite the base, flexible means engaging said notch and adapted to be wrapped around said member and a serrated portion on said base engaging the end of the flexible means opposite its engagement with the notch.

6. A hair curling device as claimed in claim 5 in which the exterior surface of the hollow member is provided with a series of projections staggered thereover.

ETHEL G. HARRINGTON.

No references cited.