March 25, 1958 R. TAYLOR 2,827,907

PIN CURL CURLER

Filed Dec. 7, 1956

FIG. 1

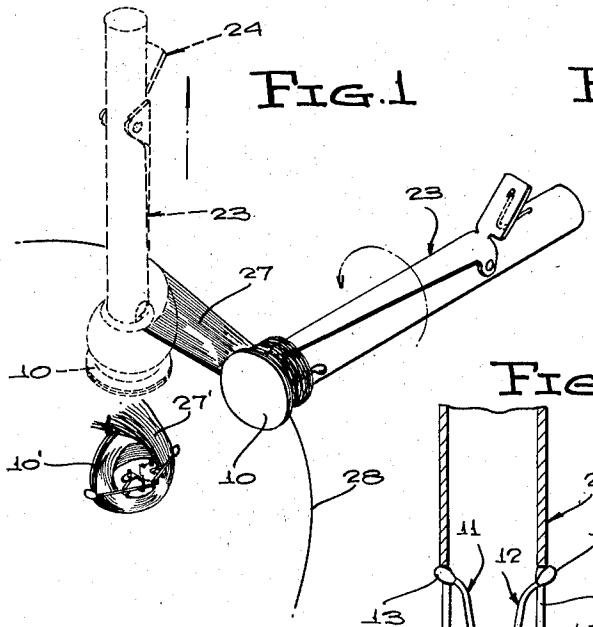


FIG. 2

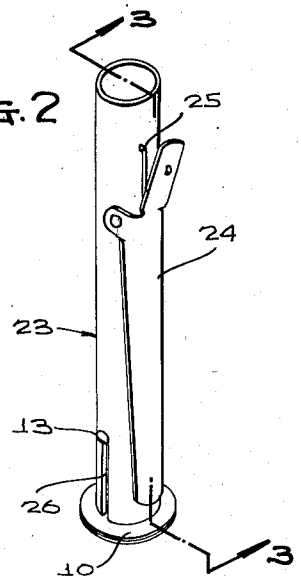


FIG. 4

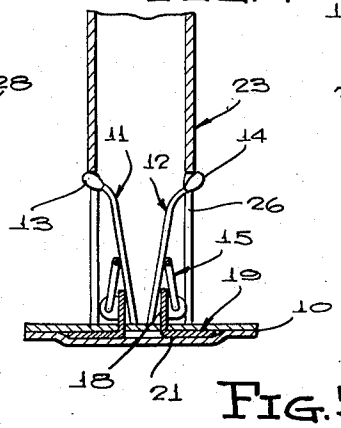


FIG. 3

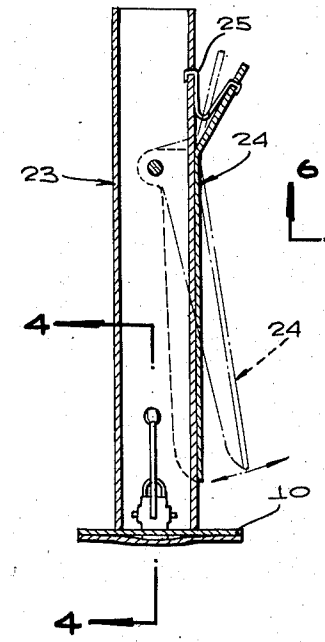


FIG. 5

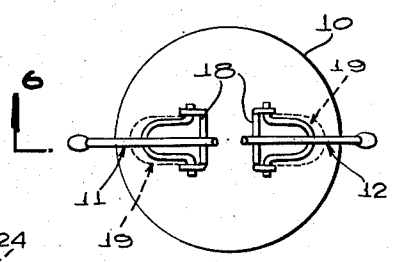


FIG. 7

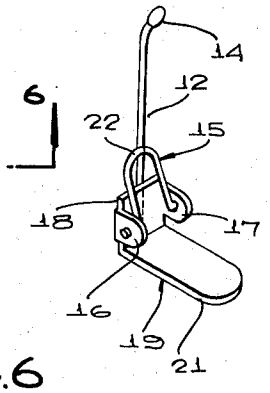
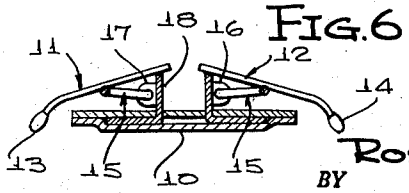


FIG. 6



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PIN CURL CURLER

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4 Claims. (Cl. 132—40)

The present invention relates to a curler for making flat pin curls.

An object of the present invention is to produce a simple convenient device to which the hair can be readily applied and which will hold the hair in position to produce flat pin curls.

Another object of the present invention is to provide a pin curl curler which is simple in structure, sturdy in construction, one easy to manipulate and to wind curls thereon, and one which is highly effective in action.

These and other objects and advantages of the present invention will be fully apparent from the following description when taken in connection with the annexed drawing, in which:

Figure 1 is a perspective view of the pin curl curler according to the present invention showing it in a position of use with a portion of a flat curl wound thereon, and showing it in dotted lines moved to an upright position before removal of the curl therefrom, and also showing one in a position in which a curl is being held tight against the scalp of an individual,

Figure 2 is a perspective view of the assembled pin curl curler,

Figure 3 is a sectional view, on an enlarged scale, taken on the line 3—3 of Figure 2, the dotted line showing indicating the movement of the clamp means on the tubular member,

Figure 4 is a sectional view taken on the line 4—4 of Figure 3,

Figure 5 is a plan view of the curl holder component according to the present invention,

Figure 6 is a sectional view taken on the line 6—6 of Figure 5, and

Figure 7 is a perspective view of one of the fingers of the pin curl curler, showing it in an upright direction attached to its support means.

Referring in greater detail to the drawing in which like numerals indicate like parts throughout the several views, the pin curl curler according to the present invention comprises a flat base indicated generally by the reference numeral 10. A pair of resilient fingers 11 and 12 are arranged in end-to-end spaced relation above and spaced from the base 10, as shown in Figures 1 and 6. Each of the fingers 11 and 12 has a portion adjacent one end thereof extending over and adjacent the periphery of the base 10, there being an enlarged part 13 and 14 on each of the fingers 11 and 12 respectively, on the end of the portion which projects over and is adjacent the periphery of the base 10. Each of the fingers 11 and 12 is connected intermediate its ends to the base 10 for movement from the position in which the one end portion extends over the periphery of the base 10, to an upright position, as shown in Figures 2 to 4, and Figure 7. The means connecting each of the fingers 11 and 12 to the base 10 for such movement consists in, as shown most clearly in Figure 7, an inverted U-shaped member 15 having the free ends of its legs bent outwardly and journaled in apertured tabs 16 and 17 which project in vertical spaced relation from the side edges of the vertically disposed leg 18 of an L-shaped bracket 19 which has its other leg 21 secured to the base 10 between the layers of the latter, as shown most clearly in Figure 6.

The bight 22 of the member 15 is fixedly secured as by brazing, spot welding, or other means, to the mid-portion of each of the fingers 11 and 12, and the upper end of the leg 18 forms an abutment member engageable with the under surface of the adjacent portion of the other end of each of the fingers 11 and 12 when the latter are in their end-to-end position with their one end portions projecting over and adjacent to the periphery of the base 10. The abutment members formed by the upper ends of the legs 18 serve to hold the respective fingers 11 and 12 in the position with said one end extending over and adjacent the periphery of the base 10.

A hollow tubular member is provided by the present invention for slidably and detachably receiving the fingers 11 and 12 when they are in the upright position to effect the spacing of the hair from the fingers 11 and 12 when the hair is wound in a flat coil about the tubular member, such member being designated generally by the reference numeral 23. Clamp means, embodying a lever 24, is provided for releasably holding the free ends of the hair as it is being wound about the member 23, the lever 24 being mounted intermediate its ends and rockably supported on the exterior of the member 23 and normally having one end adjacent to and in abutting engagement with a portion of the member 23 inwardly of one end thereof, the other end of the lever 24 being disposed outwardly from the side of the member 23 and biased to its outward position by a spring 25.

The tubular member 23 is provided with a slot on each side extending inwardly from said one end of the latter adjacent each of the fingers 11 and 12, the slot being designated by the reference numeral 26, and being dimensioned of a size to receive the finger 11 or 12 without the enlarged part 13 or 14 thereof passing therethrough.

In use, the pin curl curler, according to the present invention, is assembled with the base 10 adjacent said one end of the tubular member 23, with the fingers 11 and 12 in the upright position and with the enlarged parts 13 and 14 of the fingers 11 and 12 respectively, protruding from the slots 26. Several strands of hair, designated by the reference numeral 27, in Figure 1, are then wound about the tubular member 23 with the free ends of the hair caught underneath the clamp means provided by the lever 24, the member 23 being rotated in the direction of the arrow in Figure 1, to wind the hair thereabout and thereafter moved to the upright position, as shown in dotted lines in Figure 1. The protruding parts 13 and 14 of the fingers 11 and 12 respectively, are then grasped by the fingers and moved outwardly from the slots 26 and away from the tubular member 23 to the position in which the fingers 11 and 12 are in end-to-end, as shown in Figures 5 and 6, and also in Figure 1, where their associated base is indicated by the reference numeral 10'. It will be seen, therefore, that the coil of hair indicated by the reference numeral 27' in Figure 1 will be held in a flat coil tightly against the head 28 of the individual, by the pin curl curler of the present invention, the tubular member 23 being removable from its position having one end adjacent the base after the fingers 11 and 12 have been moved to their end-to-end position to hold the coil of hair.

The base 10 may be fabricated of any lightweight material, such as plastic, or the like, with the brackets 19 fabricated of a rigid metal, and the fingers 11 and 12 fabricated of resilient spring wire, plastic, or the like.

What is claimed is:

1. A hair curler for making a flat pin curl comprising a flat base, a pair of resilient fingers arranged in end-to-end

spaced relation above and spaced from said base and each having a portion adjacent one end thereof extending over and adjacent the periphery of said base, each of said fingers being connected intermediate the ends thereof to said base for movement from the position with said one end portion extending over and adjacent the base periphery to an upright position, abutment means adjacent the other end of each of said fingers carried by said base and abuttingly engageable with the under surface of said finger inwardly of the other end of the latter and operable to releasably hold said finger in the position with said one end portion extending over and adjacent said base periphery, and a hollow tubular member for slidably and detachably receiving said fingers when they are in the upright position to effect the spacing of the hair from said fingers when the hair is wound in a flat coil about said member.

2. A hair curler for making a flat pin curl comprising a flat base, a pair of resilient fingers arranged in end-to-end spaced relation above and spaced from said base and each having a portion adjacent one end thereof extending over and adjacent the periphery of said base, each of said fingers being connected intermediate the ends thereof to said base for movement from the position with said one end portion extending over and adjacent the base periphery to an upright position, abutment means adjacent the other end of each of said fingers carried by said base and abuttingly engageable with the under surface of said finger inwardly of the other end of the latter and operable to releasably hold said finger in the position with said one end portion extending over and adjacent said base periphery, a hollow tubular member for slidably and detachably receiving said fingers when they are in the upright position to effect the spacing of the air from the fingers when the hair is wound in a flat coil about said member, said member being provided with a slot extending inwardly from one end thereof adjacent each finger and receivably engageable with said finger when the latter is in the upright position and within said member.

3. A hair curler for making a flat pin curl comprising a flat base, a pair of resilient fingers aranged in end-to-end spaced relation above and spaced from said base and each having a portion adjacent one end thereof extending over and adjacent the periphery of said base, each of said fingers being connected intermediate the ends thereof to said base for movement from the position with said one end portion extending over and adjacent the base

periphery to an upright position, abutment means adjacent the other end of each of said fingers carried by said base and abuttingly engageable with the under surface of said finger inwardly of the other end of the latter and operable to releasably hold said finger in the position with said one end portion extending over and adjacent said base periphery, and a hollow tubular member for slidably and attachably receiving said fingers when they are in the upright position to effect the spacing of the hair from said fingers when the hair is wound in a flat coil about said member, said member being provided with a slot extending inwardly from one end thereof adjacent each finger and receivably engageable with said finger when the latter is in the upright position and within said member, each of said fingers having an enlarged part on said one end projecting from said slot when in the upright position and within said member, said parts forming a means by which said fingers may be manually moved from the upright position to the position having said one end portion extending over and adjacent said base periphery.

4. A hair curler for making a flat pin curl comprising a flat base, a pair of resilient fingers arranged in end-to-end spaced relation above and spaced from said base and each having a portion adjacent one end thereof extending over and adjacent the periphery of said base, each of said fingers being connected intermediate the ends thereof to said base for movement from the position with said one end portion extending over and adjacent the base periphery to an upright position, abutment means adjacent the other end of each of said fingers carried by said base and abuttingly engageable with the under surface of said finger inwardly of the other end of the latter and operable to releasably hold said finger in the position with said one end portion extending over and adjacent said base periphery, a hollow tubular member for slidably and detachably receiving said fingers when they are in the upright position to effect the spacing of the hair from said fingers when the hair is wound in a flat coil about said member, and clamp means carried by said member for releasably holding the ends of the hair as it is being wound about said member.

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