Oct. 30, 1945. M. F. BASKY 2,387,822

HAIR CURLER

Filed June 6, 1944

Fig. 1.

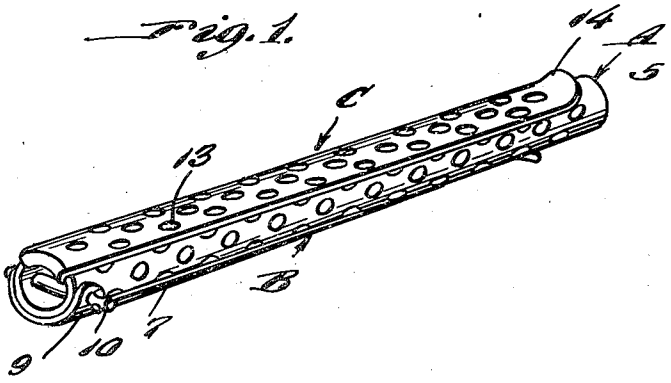


Fig. 2.

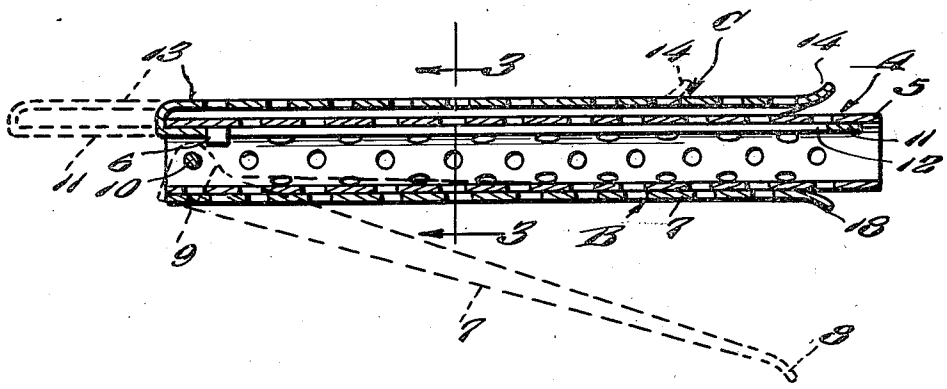


Fig. 3.

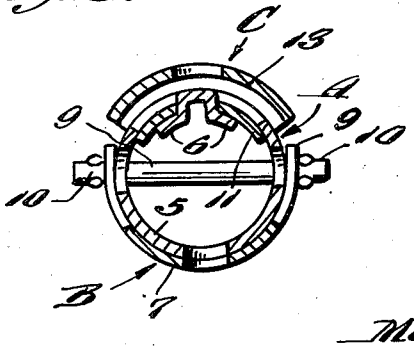
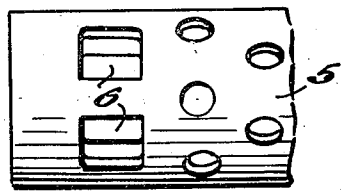


Fig. 4.



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HAIR CURLER

Matthew F. Basky, Ottawa, Ill.

Application June 6, 1944, Serial No. 538,896

5 Claims. (Cl. 132—40)

This invention relates to hair curlers and has more specific reference to a tubular type having a pivoted clamping lever exteriorly arranged thereon, and the purpose of the invention is to provide an adapter slide arranged on the tubular body diametrically opposite to the lever, this to coact with the lever in satisfactorily maintaining the hair windings in place.

More specifically, the invention pertains to a type of hair curler characterized by a tubular perforated main body or mandrel on which the hair is wound, this having a pivoted friction held lever to bind and clamp the hair-ends on said mandrel, said parts being perforated for air circulation, and there being an extensible and retractible U-shaped clip slidably coacting with the mandrel to bind and clamp the hair windings and to enhance the overall utility of the device as an improved hair curler.

As is substantially self-evident from the drawing, and as will be appreciated by those skilled in the art to which the invention appertains, the U-shaped adapter clip is the principal improvement.

Other features and advantages will become more readily apparent from the following description and the accompanying illustrative drawing.

In the drawing, wherein like numerals are employed to designate like parts throughout the same:

Figure 1 is a perspective view of a hair curler constructed in accordance with the principles of the instant invention.

Figure 2 is a central longitudinal sectional view with parts shown in dotted lines to illustrate the method of using the same.

Figure 3 is an enlarged central transverse section taken on the plane of the line 3—3 of Figure 2, looking in the direction of the arrows.

Figure 4 is a fragmentary end elevation of the tubular mandrel or core, showing the retention ears or tongues such as are preferably employed in maintaining the special adapter clip in place.

The structure is characterized by three main parts; namely, the mandrel A, the pivoted clamping lever B and the improved adapter clip C.

The mandrel A is an open-ended tubular core on which the hair is coiled in the usual manner, this being of metal or equivalent sheet material or plastic and being denoted by the numeral 5. As is customary in curlers, this part is formed with a multiplicity of apertures to permit circulation of air for rapid drying. As shown in Figure 4, a pair of accommodation ears 6 are struck out from one end and these are bent inwardly and then laterally as shown in Figure 3.

The lever 7 is somewhat conventional in design and has a flaring free end 8 forming a finger-piece, the opposite end being fashioned into clamping and friction retention ears 9, these pivotally connected to diametrically opposite sides of the mandrel at one end thereof as indicated at 10. This lever serves to clamp and hold the hair ends on the mandrel, in the usual way.

The principal improvement C is referred to as an adapter clip. This is of substantially U-shaped form and of a length substantially commensurate with that of the tubular mandrel. The inner limb 11 is located on the interior of the mandrel and has a slot 12 which slides over the keeper and guide ears 6 as shown to advantage in Figures 2 and 3, the latter in particular. The outer limb, which is apertured and indicated at 13, is disposed in spaced parallelism to the exterior of the mandrel. Its free end is flared as at 14 to facilitate easy handling of this part. This part C as shown in dotted lines is extensible and retractible.

I am not unmindful that hair curlers are in use and are patented employing a tubular open-ended perforated mandrel, the same provided with a pivoted lever. It is believed novel, however, to use a lever of the type shown, this in conjunction with the projectible and retractible U-shaped clasp or clip C. The latter part is conveniently and slidably arranged on the mandrel diametrically opposite to the lever and the lever is first used to clamp and hold the hair ends on the mandrel. When the mandrel or curler is wound or filled up, then the adapter clip is slipped into place as shown in full lines in the drawing, whereby to embrace and bind the hair windings between it and the mandrel. All of the parts have been carefully chosen and coordinated to promote efficiency and expediency in handling and performance.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawing. Therefore, a more lengthy description is regarded as unnecessary.

Minor changes in the shape, size and arrangement of details coming within the field of invention claimed may be resorted to in actual practice, if desired.

Having described the invention, what is claimed as new is:

1. A hair curler of the class described comprising an open-ended perforated tubular mandrel

having ears struck-out from one end and disposed on the interior thereof to function as guide and retention elements, a U-shaped clip, one arm being disposed on the interior of the mandrel and slotted and slidably mounted on said ears, the opposite arm being disposed on the exterior and spaced from the mandrel.

2. A hair curler of the class described comprising an open-ended perforated tubular mandrel having ears struck-out from one end and disposed on the interior thereof to function as guide and retention elements, a U-shaped clip, one arm being disposed on the interior of the mandrel and slotted and slidably mounted on said ears, the opposite arm being disposed on the exterior and spaced from the mandrel, together with a pivoted lever on the mandrel at a point diametrically opposite to said slidable clip.

3. As a new article of manufacture and as an attachment for a hair curling mandrel of the class described, a substantially U-shaped adapter clip, one arm being longitudinally slotted, the opposite arm being apertured and having its free end portion flared outwardly.

4. As a new article of manufacture and as a component part of a hair curler of the class described, an open-ended tubular apertured mandrel, a pair of ears struck-out from one end portion thereof, said ears being bent radially inward and then laterally outward to provide assembling and keeper elements in the manner and for the purposes described.

5. A hair curler of the class described comprising an open ended perforated tubular mandrel, a lever arranged on one side and externally of the mandrel and pivotally attached thereto at one end of the mandrel and adapted to clamp hair-ends between itself and said mandrel, a longitudinally projectible and retractible U-shaped clip, said clip being disposed on a side of the mandrel diametrically opposite to said lever, said clip embodying close spaced parallel arms and said arms straddling that portion of the wall of the mandrel diametrically opposite to said lever, the bight portion thereof engaging the adjacent end of the mandrel when the clip is closed, one arm being disposed on the exterior of the mandrel and the other arm on the interior of the same wall portion of said mandrel, and coacting means between the last named arm and mandrel for slidably keying said arm to the mandrel.

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