Feb. 6, 1940. G. E. LAOS 2,189,505

CURLER

Filed June 27, 1939

Fig. 1.

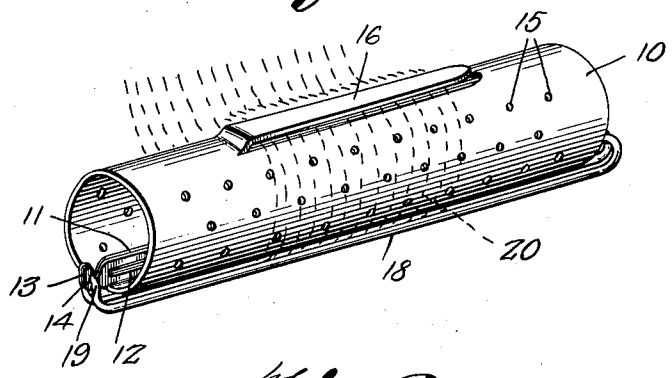


Fig. 2.

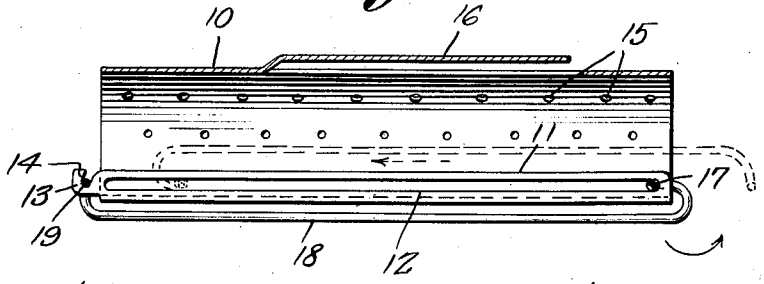


Fig. 3.

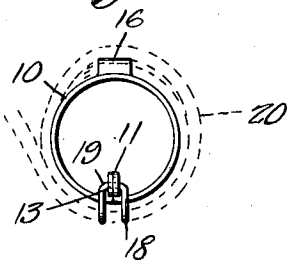


Fig. 4.

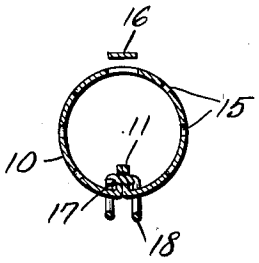
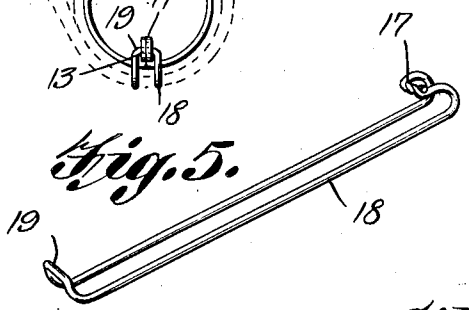


Fig. 5.



Gilbert E. Laos, INVENTOR

BY Victor J. Evans & Co.

ATTORNEYS

P. L. Hickey.

WITNESS

Patented Feb. 6, 1940 2,189,505

UNITED STATES PATENT OFFICE

2,189,505

CURLER

Gilbert E. Laos, Tucson, Ariz.

Application June 27, 1939, Serial No. 281,470

6 Claims. (Cl. 132—41)

The invention relates to a hair curler.

The primary object of the invention is the provision of a curler of this character wherein curls can be readily and conveniently formed in the hair and the curler easily and conveniently removed from the curl after formation thereof without unraveling of such curls or the strands of hair constituting the same, the curler being of novel construction and not effected through treatment of the hair in that the same is made from and is not disturbed by waving solutions employed under such treatment.

Another object of the invention is the provision of a curler of this character wherein the same is composed of a minimum number of parts, these being intact so that the same will not become separated from each other and are at all times ready for use.

A further object of the invention is the provision of a curler of this character wherein strands of hair can be conveniently wound or rolled and held in place for the formation of curls and such curler can be conveniently removed from a formed curl of hair without any possibility of derangement or the unraveling of the strands of hair and in this way assuring complete curling and placement formation of the strands, the curler being of a construction to assure quick drying of the hair during the curling period or operation.

A still further object of the invention is the provision of a curler of this character which is simple in its construction, thoroughly reliable and efficient in operation, readily and easily handled both in the formation of curls of hair and in the removal of the curler from the curls, strong, durable and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described in detail, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention and pointed out in the claims hereunto appended.

In the accompanying drawing:

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

Figure 2 is a vertical longitudinal sectional view thereof showing by full lines the position of the clamp when holding strands of hair in place and also by dotted lines the releasing position of the clamp.

Figure 3 is an end elevation of the curler.

Figure 4 is a vertical transverse sectional view thereof.

Figure 5 is a perspective view of the clamp removed from the curler.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, the curler constructed in accordance with the invention comprises a cylindrical body 10 preferably made from a single sheet of metal, the cylindrical body being elongated and bent from the side edges of the sheet of metal constituting the body 10 and in turned parallel flanges 11, these abutting each other in their parallel relation longitudinally of said body 10. Provided in the flanges 11 are matched elongated longitudinally directed slots 12, the flanges 11 at one end of each being flush with one end of the body 10 while the opposite ends of these flanges are extended beyond the body 10 at the other end thereof to form a keeper 13 being notched at 14 creating a hook formation for a purpose presently described.

The body 10 has provided therein spaced holes or openings 15 for air vent purposes. The body 10 has also cut and struck outwardly therefrom a finger 16 constituting a stationary clip, the latter being diametrically opposite the placement of the flanges 11 and longitudinally directed.

Slidably fitting the slots 12 in the flanges 11 which are innermost of the body 10 is the twisted end 17 of a wire bail 18 forming a clamp being made from a single length of wire and the end 19 opposite its twisted end 17 constituting a latching terminal. The ends 17 and 19 are curled on themselves. The end 19 is separably engageable with the keeper 13 and this clamp 18 saddles the strands of hair 20 externally rolled upon the body 10 and when the end 19 of the clamp is engaged in the keeper 13 the said strands 20 will be clamped in the rolled condition, the ends of the strands being engaged by the clip 16 when such strands are rolled upon the body 10. In this manner a curl is formed in the strands 20 of hair.

When the clamp releases the rolled strands 20 of hair upon the body 10 it is moved inwardly of the said body 10 assuming the position shown by dotted lines in Figure 2 of the drawing. In this position of the clamp the body 10 can be readily extracted from within the curl created from the strands 20 of hair rolled upon said body 10 without liability of derangement of the curl or unraveling the strands of hair. The holes or per-

forations 15 in the body 10 allow ventilation to the rolled strands of hair upon said body and thus quick drying of the hair is assured.

The curler hereinbefore described is entirely made from metal and therefore cannot be damaged from waving solutions or other treatments resorted to for the hair, the curler being readily and easily handled and enables the quick forming of curls and the drying of the hair.

What is claimed is:

1. A curler of the character described comprising a tubular body having a stationary clip outstruck therefrom, and clamping means movable from within to without the said tubular body through one end thereof.

2. A curler of the character described comprising a tubular body having a stationary clip outstruck therefrom, clamping means movable from within to without the said tubular body through one end thereof, and means for fastening the clamp in clamping relation to the body when without the same.

3. A curler of the character described comprising a tubular body having a stationary clip outstruck therefrom, clamping means movable from within to without the said tubular body through one end thereof, means for fastening the clamp in clamping relation to the body when without the same, and means interiorly of the body for guiding the clamp in its movements.

4. A curler of the character described comprising a tubular body having a stationary clip outstruck therefrom, clamping means movable from within to without the said tubular body through one end thereof, means for fastening the clamp in clamping relation to the body when without the same, and means interiorly of the body for guiding the clamp in its movements, the said body being formed with perforations.

5. A curler of the character described comprising a tubular body having a stationary clip outstruck therefrom, clamping means movable from within to without the said tubular body through one end thereof, means for fastening the clamp in clamping relation to the body when without the same, and means interiorly of the body for guiding the clamp in its movements, the said body being formed with perforations, the said body being formed with slotted flanges bent interiorly thereof and constituting the guiding means for the said clamp.

6. A curler of the character described comprising a tubular body having a stationary clip outstruck therefrom, clamping means movable from within to without the said tubular body through one end thereof, means for fastening the clamp in clamping relation to the body when without the same, and means interiorly of the body for guiding the clamp in its movements, the said body being formed with perforations, the said body being formed with slotted flanges bent interiorly thereof and constituting the guiding means for the said clamp, the said clamp being formed from a single length of wire slidably connected to the slotted flanges.

GILBERT E. LAOS.