March 10, 1953 N. L. SOLOMON 2,630,810

HAIR CURLER

Filed Sept. 29, 1950

Fig. 1.

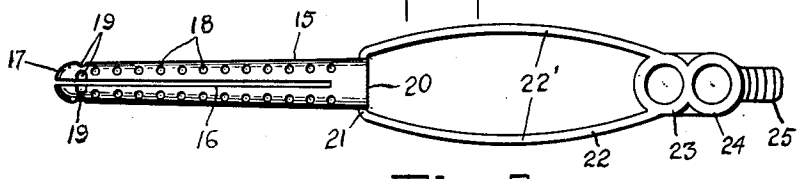


Fig. 2.

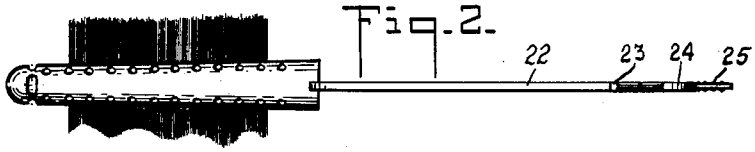


Fig. 3.

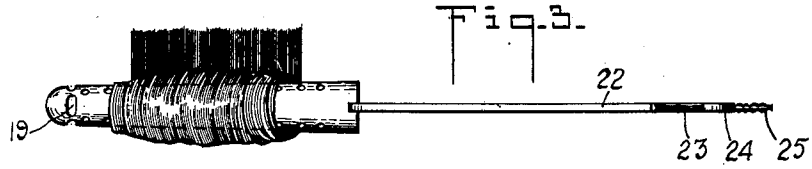


Fig. 4.

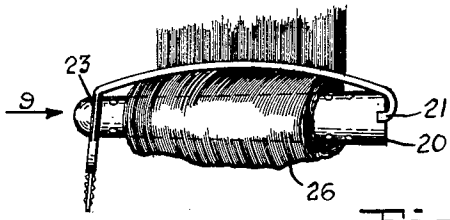


Fig. 5.

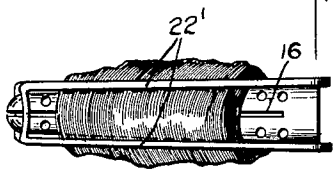


Fig. 7.

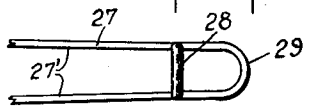


Fig. 6.

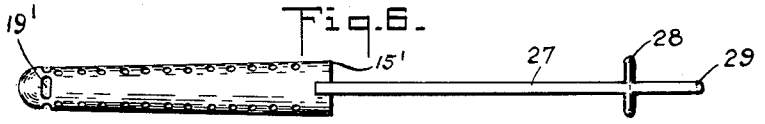


Fig. 8.

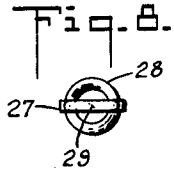


Fig. 9.

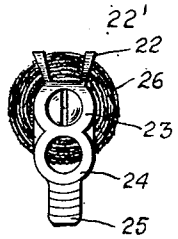
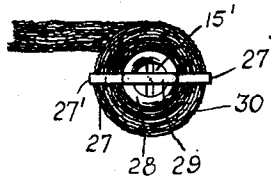


Fig. 10.



INVENTOR.
NATHAN L. SOLOMON
BY
Howard R. Thompson

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HAIR CURLER

Nathan L. Solomon, Englewood, N. J.

Application September 29, 1950, Serial No. 187,396

1 Claim. (Cl. 132—42)

1

This invention relates to devices for use in forming and supporting curls during the operation of setting the same. More particularly, the invention deals with devices of this kind having a fixedly attached yieldable loop having means engaging a notched end of the curler for retaining said loop in position and the curl against displacement from the device. Still more particularly, the invention deals with a device of the kind described, wherein the loop has two ring portions for adapting the device to hold curls of different sizes.

The novel features of the invention will be best understood from the following description, when taken together with the accompanying drawing, in which certain embodiments of the invention are disclosed and, in which, the separate parts are designated by suitable reference characters in each of the views and, in which:

Fig. 1 is a plan view of one form of device which is employed and showing the parts in extended position, preparatory to winding a curl thereon.

Fig. 2 is a side edge view of the structure, as seen in Fig. 1, diagrammatically indicating the first step in winding a curl on the device.

Fig. 3 is a view similar to Fig. 2 showing a tool partially wound on the device.

Fig. 4 is a view similar to Fig. 3 showing a curl completely wound on the device with the curl holding loop in operative position.

Fig. 5 is a diagrammatic plan view of the structure as seen in Fig. 4 and omitting the hair ends extending from the curl.

Fig. 6 is a view similar to Fig. 2 omitting any showing of hair and showing a modified form of curl holding loop.

Fig. 7 is a partial plan view of the structure shown in Fig. 6.

Fig. 8 is an end view of the structure, as seen in Fig. 7.

Fig. 9 is a view looking in the direction of the arrow 9 of Fig. 4 omitting the hair ends; and

Fig. 10 is a view similar to Fig. 9, showing the curler device of Figs. 6 to 7 arranged upon a curl.

In Figs. 1 to 4 inclusive and, Fig. 9, is shown one form of curler comprising an elongated and slightly conical body 15, split longitudinally as seen at 16 throughout the major portion of its length and having a rounded contracted end 17. The body 15 also has longitudinally spaced vent apertures 18 for circulation of air to assist in drying a curl arranged thereon.

Adjacent the end 17, the curler 15 has circumferentially spaced notches or recess 19, preferably disposed on opposed walls of the device. The other wide end 20 of the device is notched for fixedly retaining one portion 21 of a curl holding loop 22 thereon as apparent from a consideration of Figure 2, the loop being formed from suitable elastic or extensible material, such as rubber, or rubber compositions. The other end portion of the loop 22 terminates in a retaining ring 23, outwardly of which is a supplemental retaining ring 24. Beyond the ring 24 is a transversely ribbed fingerpiece tab 25 facilitating mounting of the loop on the curler body 15, as well as around a curl 26 formed thereon in the manner noted in Fig. 4 of the drawing. In this figure, it will be apparent that the loop 23 is in engagement with the notches 19 of the body 15. However, when engaging larger diameter curls, it will be apparent that the loop 24 will be disposed in the notches 19 and this will be clearly apparent from a consideration of Fig. 9 of the drawing. In Fig. 9, it will appear that the side members 22' of the loop 22 engage the curl 26 at circumferentially spaced intervals, thus firmly securing the curl against displacement from the curler.

2

In Figs. 6, 7, 8 and 10, I have shown a modified form of construction, wherein a curler body 15', similar to the body 15, is employed having notches 19' at one end thereof. Substituted for the loop 22 is a loop 27.

The loop 27 has a single retaining ring 28 which, instead of being disposed in the plane of the loop as are the rings 23 and 24, the ring 28 is disposed at right angles to the loop 27 adjacent a contracted end 29 thereof, the end 29 extending beyond the ring 28 to form a fingerpiece portion. With this construction, when the loop 27 is pulled over a curl 30, wound on the body 15', the side members 27' of the loop 27 are disposed on diametrically opposed portions of the curl in the manner clearly illustrated in Fig. 10 of the drawing and the ring 28 seats in the notches 19', leaving the fingerpiece portion 29 protruding beyond the end of the curler body 15'.

By providing the slight taper in the curler body 15 and employing the notches in the contracted end thereof, it will be apparent that the formed and dried curl is readily removable from the curler body 15, 15' whenever desired. The structure employed retains a curl against displacement when the locking or retaining loops 22, 27 are in position. In the use of the device, curls can be quickly secured to the curler, as well as quickly detached therefrom whenever desired. A curler of the kind under consideration will be kept in

use by virtue of the simplicity of the structure thereof.

It will be apparent that, in both forms of construction shown, the surfaces of the curler body, between the notches 19 and 19', form areas or what may be termed "lands" which prevent the curl from catching in the notches in the operation of stripping the curl from the curler body.

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

A curl forming and holding device of the character described, comprising an elongated slightly conical body having a longitudinal split opening through one end of the body, said body having spaced perforations therein, the split end portion of said body having circumferentially spaced notches, the other end of said body being notched, a yieldable loop mounted in connection with said last named notched end, said loop including a ring portion inwardly of and adjacent its free end, said ring portion being adapted to be arranged

upon and to engage the first named notches in holding a curl upon the body of said curler, and said loop having, at its free end and beyond said ring, a finger-piece portion.

NATHAN L. SOLOMON.

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