

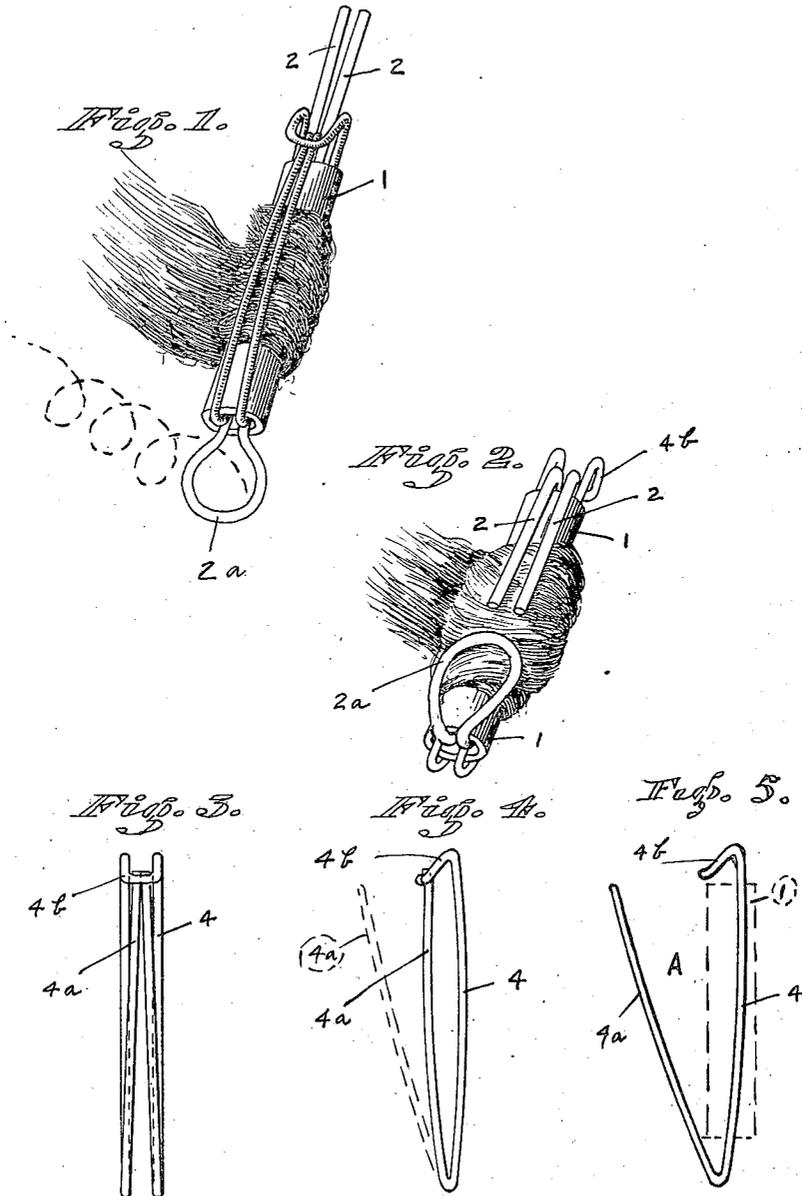
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1,459,228

O. D. McCLINTOCK

HAIR CURLER

Filed June 3, 1922



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# UNITED STATES PATENT OFFICE.

ORA D. McCLINTOCK, OF CHICAGO, ILLINOIS.

HAIR CURLER.

Application filed June 3, 1922. Serial No. 565,699.

*To all whom it may concern:*

Be it known that I, ORA D. McCLINTOCK, a citizen of the United States of America, residing at 606 Blue Island Avenue, Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Hair Curlers, of which the following is a specification.

The present invention is an improved hair curler and is an improvement on the device shown and claimed in Letters Patent of the United States #1,373,968 granted to me on April 5th, 1921. Attention is called to my copending application, Serial No. 506,541 filed October 10th, 1921.

The object of this invention is to provide a means for securing the end of a strand of hair to a curler before the hair is wound thereon, and thus prevent slippage or release of the hair and insure perfect coiling of hair on the curler.

While the invention is here shown in the form considered to be the best, it is not limited to such form, because it may be embodied in other forms, and it is to be understood that, in the following specification and annexed claim, it is desired to cover the invention in whatever form it may be embodied.

In the accompanying one sheet of drawings—

Fig. 1 is a perspective view of my improved curler showing the end of a strand of hair engaged thereon before coiling and indicating in dotted lines the revolution of the curler necessary to effect a coil.

Fig. 2 is a view similar to Figure 1, but showing the finished coil secured against unwrapping by the returned ends of a bendable element of the curler.

Fig. 3 is a front elevation of a clasp member for engaging the end (remote from the head) of a strand of human hair.

Fig. 4 is a side elevation of Figure 3.

Fig. 5 is a side elevation showing the clasp member in open position and extending through a tubular member.

Referring to the drawings, the numeral 1 indicates a length of rubber tubing. Extending through the tube 1, is a hairpin shaped member 2, of flexible rubber covered wire, provided with a loop 2<sup>a</sup> of a diameter

sufficient to prevent passage thereof through the tube 1.

The structure so far described is shown and fully claimed in my copending application, Serial #506,541. In Figures 3 and 4, at 4, I show a clasp member, here shown as made of wire. This member may, however, be made in various ways as for instance, of flat spring steel or of celluloid or rubber. The member 4, is similar to a safety pin and has free ends 4<sup>a</sup>, which may be releasably engaged by a depending loop 4<sup>b</sup>.

When in the closed position shown in Figures 3 and 4, the ends 4<sup>a</sup> may be released by spreading them to the dotted positions shown in Figure 3, whereupon the resiliency of the metal will cause the ends 4<sup>a</sup> to assume the positions shown in Figure 4 in dotted lines.

In assembling my curler I insert the body portion of the clasp member 4, in the tube 1, allowing the ends 4<sup>a</sup>, to extend outwardly from one end of the tube 1, and the loop 4<sup>b</sup> from the opposite end as shown in Figure 5.

The operation of my curler is as follows:

The end of a strand of hair is inserted in the space A, Fig. 5. The ends 4<sup>a</sup> of member 4, are pressed downwardly engaging the hair between said members and the tube 1.

The ends 4<sup>a</sup>, are then engaged by the loop 4<sup>b</sup>. The entire device is clamped to the hair by this means and is thereafter rolled over and over as indicated by dotted lines in Figure 1 until the desired length of coil is formed. The coil is secured against unrolling by bending or returning the ends of the bendable member 2, that is to say, the loop 2<sup>a</sup> and the ends of the rubber covered hairpin member as shown in Figure 2.

I claim:

A hair curler comprising a rubber tube, and a flexible hairpin member formed of soft wire and provided with a rubber covering, the said hairpin member provided with a loop at one end larger than the diameter of said tube, and a clasp member surrounding the marginal wall of said tube and adapted to releasably engage a strand of hair between said clasp and said tube.

In testimony whereof I affix my signature.

ORA D. McCLINTOCK.