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I. O. STOUT

CURLING IRON

Filed April 23, 1928

Fig. 1.

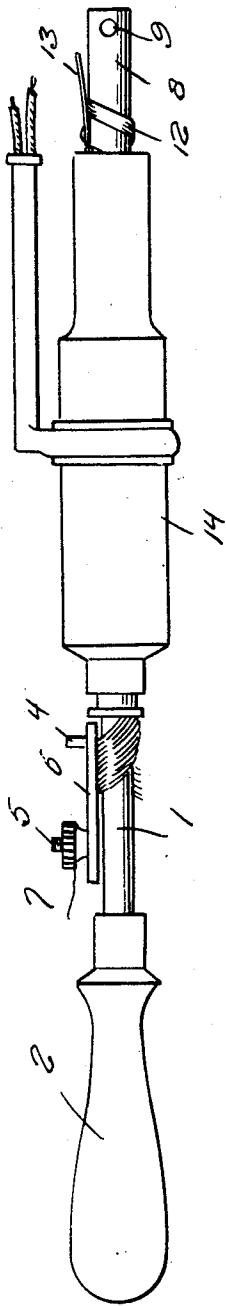


Fig. 2.

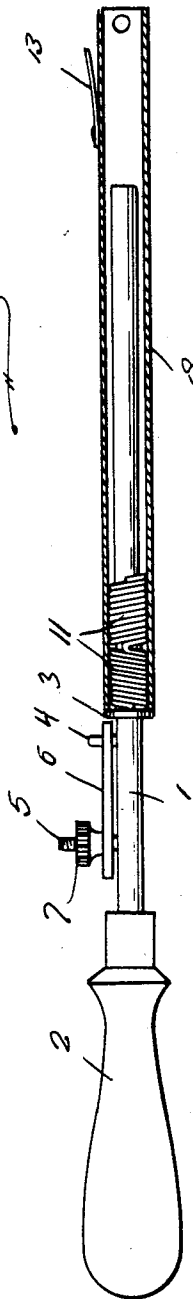


Fig. 3.



Inventor

Ida O. Stout,

334

Clarence A. Brim

Attorney

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IDA O. STOUT, OF GREENFIELD, OHIO.

CURLING IRON.

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The present invention relates to improvements in curling irons and has for its principal object to provide a simple and efficient means whereby an individual can treat the hair to obtain a permanent wave.

One of the important objects of the present invention is to provide a curling iron which is simple in construction, inexpensive, strong and durable and further well adapted to the purpose for which it is designed.

Other objects of the invention will become apparent during the course of the following detailed description, taken in connection with the accompanying drawings.

In the accompanying drawing, forming a part of this application and in which like numerals designate like parts throughout the several views:

Figure 1 is a side elevation of the curling iron embodying my invention, showing the manner in which strands of hair are secured on the iron while undergoing a heat treatment.

Figure 2 is an elevational view of the steel rod and the handle formed at one end thereof, showing the rotatable elongated tube or sleeve disposed over the other end of the rod and the right and left hand spring unit within the inner end of the tube, and

Figure 3 is a detail perspective view of the pin for effecting the rotation of the sleeve or tube.

In the drawing, wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates an elongated steel rod and carried by the rear end of this rod is the wooden handle 2. A washer 3 is secured on the rod 1, forwardly of the handle 2. A pin 4 extends upwardly from the steel rod 1, adjacent the rear side of the washer 3. Also extending upwardly from the rod 1 adjacent the forward end of the handle 2 is the threaded pin 5, and disposed over these pins is the clamping plate 6, a thumb nut 7 being arranged on the threaded pin 5, for securing the plate 6 in clamping engagement with the free ends of the strands of hair in the manner as clearly shown in Figure 1.

Forming the salient part of the present invention is the elongated steel tube or sleeve 8, that is fitted over the forward end portion of the rod 1, the forward end of the sleeve projecting beyond the forward end of the rod, while the rear end of the sleeve abuts against the washer 3, as clearly shown in Figure 2.

The forward end of the elongated tube or sleeve 8 is formed with registering openings 9, in the opposed sides thereof for receiving an operating pin shown at 10 in Figure 3, the purpose of which will be presently described.

A right and left hand spring unit 11 is arranged within the inner end of the elongated tube 8 for disposition over the adjacent portion of the steel rod 1. These springs are secured at one end to the tube or sleeve, the other ends of the springs being left free. The springs will permit the rotation of the tube 8 on the steel rod 1 in one direction, when the pin 10 is disposed through the registering openings 9 formed in the outer or forward end of the tube. Thus, as the strands of hair are wrapped around the tube or sleeve 8 after having been secured at their free ends to the steel rod 1 by means of the clamping plate 6, the same can be pulled until the wave has appeared in the hair, and since the springs do not permit a left hand turn, there will be no chance of the hair slipping or the curl not appearing after the operation of the iron has been completed.

The hair which is wrapped around in a spiral manner upon the tube 8 is fastened with the usual tape 12 and the tape is held by the spring clip 13 secured on the outer end portion of the tube 8, as clearly shown in the drawings.

It is of course to be understood that the sleeve or tube 8 is not rotated until the hair has been wound around on the tube and is secured by means of the clamping plate 6 at one end and the spring clip 13 at the other end.

An electrically controlled heating unit designated generally by the numeral 14, of any conventional construction is then disposed over the tube upon which the hair to be curled is wrapped, and the current is turned on for a sufficient period to enable a proper wave to be obtained.

It will thus be seen from the foregoing description that I have provided a curling iron that can be easily and efficiently operated for enabling a person to permanently wave her own hair, and due to its simplicity, the device may be manufactured and sold at a very low cost.

While I have shown the preferred embodiment of my invention, it is to be understood that various changes in the size, shape and arrangement of parts may be resorted to, without departing from the spirit of the invention or the scope of the appended claims.

Having thus described my invention, what is claimed as new is:

1. In a curling iron of the class described, a rod, a handle on one end of the rod, a washer
5 secured on the rod adjacent said handle, hair securing means arranged on the rod between the handle and said washer, an elongated tube arranged over the outer end of the rod and adapted for rotation thereon, the inner
10 end of the tube abutting said washer, said hair adapted to be wound around the tube, means on the outer end portion of the tube for securing the hair thereon, and a heating unit removably disposed over the tube.
- 15 2. In a curling iron of the class described, a rod, a handle on one end of the rod, a washer secured on the rod adjacent said handle, hair securing means arranged on the rod between the handle and said washer, an elongated tube
20 arranged over the outer end of the rod and adapted for rotation thereon, the inner end of the tube abutting said washer, said hair adapted to be wound around the tube, means on the outer end portion of the tube for se-

curing the hair thereon, a heating unit re- 25
movably disposed over the tube, and means for permitting the rotation of the tube in only one direction.

3. In a curling iron of the class described, a rod, a handle on one end of the rod, a washer 30
secured on the rod adjacent said handle, hair securing means arranged on the rod between the handle and said washer, an elongated tube arranged over the outer end of the rod, and adapted for rotation thereon, the inner 35
end of the tube abutting said washer, said hair adapted to be wound around the tube, means on the outer end portion of the tube for securing the hair thereon, a heating unit removably disposed over the tube, and means 40
for permitting the rotation of the tube in only one direction, said last mentioned means comprising a right and left hand pair of spring units secured at one end to the tube for dis- 45
position within the inner end thereof and encircling the rod.

In testimony whereof I affix my signature.
IDA O. STOUT.