

June 3, 1924.

1,496,329

W. W. STUMPH

HAIR CURLER

Filed May 19, 1923

Fig. 1.

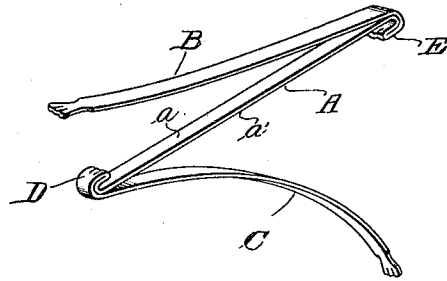


Fig. 2.

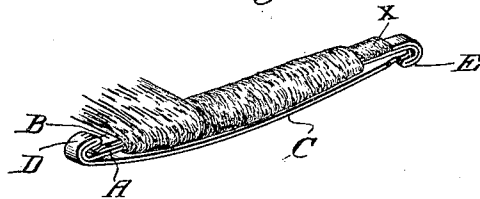


Fig. 4.

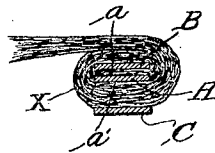
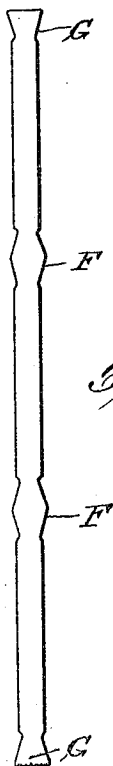


Fig. 3.

Inventor
Wynn W. Stumph,

By *Ralph D. Bassett*
Attorney

UNITED STATES PATENT OFFICE.

WYNN W. STUMPH, OF TULSA, OKLAHOMA.

HAIR CURLER.

Application filed May 19, 1923. Serial No. 640,136.

To all whom it may concern:

Be it known that WYNN W. STUMPH, a citizen of the United States, residing at Tulsa, in the county of Tulsa and State of Oklahoma, has invented certain new and useful Improvements in Hair Curlers, of which the following is a specification.

This invention relates to new and useful improvements in hair curlers of that type shown in my United States Patent No. 1,450,523.

The object of this invention is to provide an improved construction which will be cheap and convenient to manufacture and which will provide means for firmly and securely clamping the hair at two points, each clamping member being independent in manipulation and being arranged in such a manner as to prevent interference of the parts during application.

More especially I contemplate the utilization of a single piece of material in the form of an elongated strip which is doubled upon itself at intermediate points, and bent at such points to form oppositely extending hooks which engage the opposite terminals of the strip.

Another feature resides in the arrangement of the spring gripping arms in such a manner that one of these will be normally spaced a considerable distance from the body to permit the application of the hair after it has been locked by the other arm.

Other features will more clearly herein-after appear by reference to the accompanying drawings forming a part of this specification and wherein like numerals of reference designate corresponding parts throughout the several views, in which:—

Fig. 1 is a perspective with the jaws disengaged,

Fig. 2 is a similar view showing the hair wrapped and locked by the clamping arms,

Fig. 3 is a transverse sectional view of Fig. 2, and

Fig. 4 illustrates a blank which may be used to form the present invention.

As stated, the present invention comprises an integral construction formed of a single piece of strip metal bent to form the intermediate body portion A and the opposite clamping arms B and C. The arms B and C are formed by bending the strip of material against the opposite faces *a* and *a'* of the intermediate portion A at points equidistant from the ends. The hooks D and E

are provided by the bending of the doubled end portions to extend inwardly parallel to the faces *a*, *a'* of the body A. The inner or engaging faces of the hooks D and E and the extremities of the arms may be serrated as shown to provide firm engaging faces to present lateral movement of the parts. Also as is shown by Figure 4, the original blank may be enlarged at those points F forming the hooks and at the extremities G so as to increase the serration of the material without decreasing the width of the finished article.

It has been found that in applying devices along the line of the present invention that after the extremity of the hair has been fastened by one of the clamping arms the other arm has a tendency to interfere with further arrangement of the device and to eliminate this difficulty the arm C is formed with a greater curve than the arm B which latter form the first clamping means. Both of these arms are of resilient material to permit proper functioning and to increase the binding action on both the hair and against the hooks.

The operation of the device is as follows:—The ends of the hair to be curled by the device are first secured by clamping action by engagement with the arm B until that portion adjacent the scalp is reached and the remaining clamping bar C is then moved into position to engage its hook member. This latter movement securely clamps the entire hair section in position where it remains a suitable time to cause the proper curling. Obviously a conventional method of applying a hair curler can be utilized in connection with the present invention.

By forming the hooks of the combined portions of the hook body and arms a rigid structure is provided which will not be bent or destroyed by ordinary use, and a hair curler of exceptional strength and durability is provided which can be manufactured and sold for a reasonable sum.

What I claim as new and useful and desire to secure by Letters Patent is:—

1. A hair curler including an elongated substantially straight intermediate portion bent at one end to provide an upwardly extending hook and bent at its opposite end to form a downwardly extending hook, an upwardly extending arm having a hook at one end, said hook contacting throughout substantially its entire length with the down-

wardly extending hook of the intermediate portion and integral with the last mentioned hook, and a downwardly extending arm having a hook at one end, said last mentioned
5 hook contacting throughout substantially its entire length with the upwardly extending hook of the intermediate portion and integral with the last mentioned hook, the free ends of said arms being adapted to engage
10 said hooks.

2. A hair curler including an elongated intermediate portion, normally curved spring arms located upon opposite sides of said intermediate portion, said arms extending in
15 opposite directions and being integral with and extending for a portion of their length in contact with and parallel to the opposite ends of said intermediate portion, the contacting parts of said intermediate portion

and adjacent portions of said arms being bent to form rigid hook members. 20

3. A hair curler as claimed in claim 2 in which the hook members are provided with roughened inner surfaces to prevent the free
ends of said arms from accidentally disengaging said hook members. 25

4. A hair curler as claimed in claim 2, in which the free ends of said arms and said hook members are corrugated longitudinally.

5. A hair curler as claimed in claim 2 in which one of said spring arms is of substantially the same length as the intermediate portion and is curved to such an extent that its free end normally extends substantially at right angles to the intermediate portion. 35

In testimony whereof I affix my signature.

WYNN W. STUMPH.