

Oct. 25, 1949.

R. BACON

2,485,686

HAIR CURLER

Filed Oct. 8, 1948

FIG. 1.

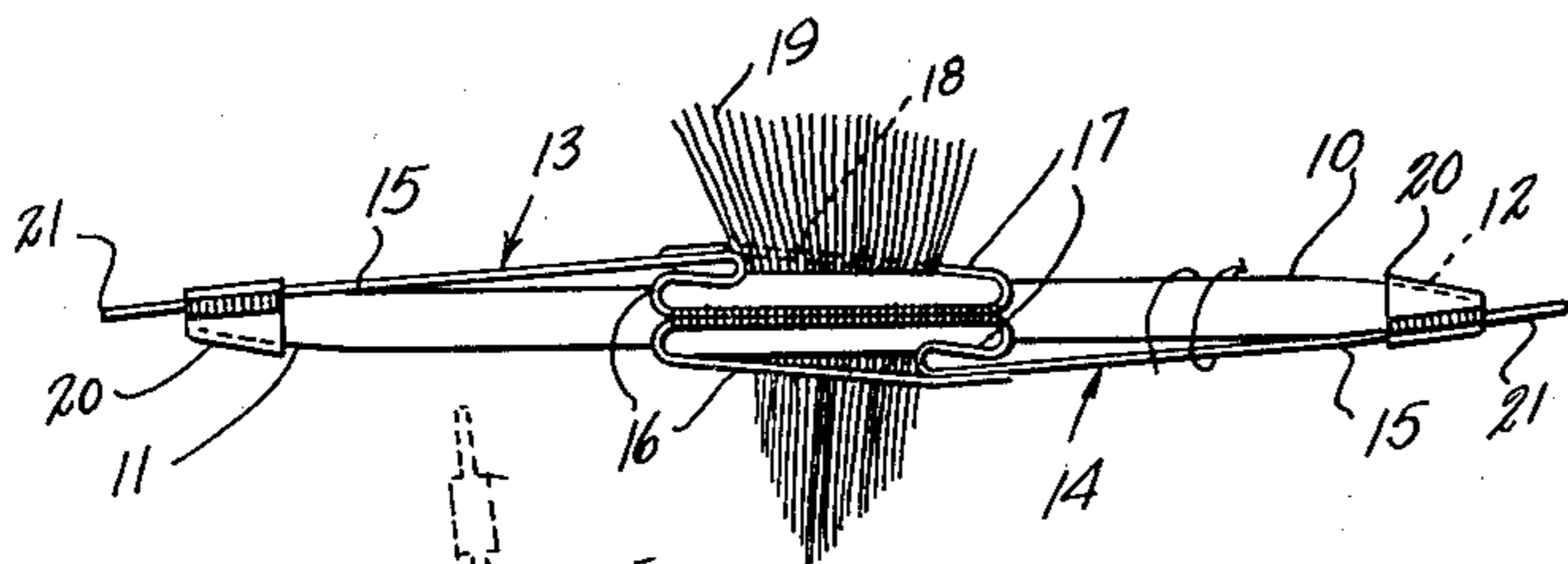


FIG. 2.

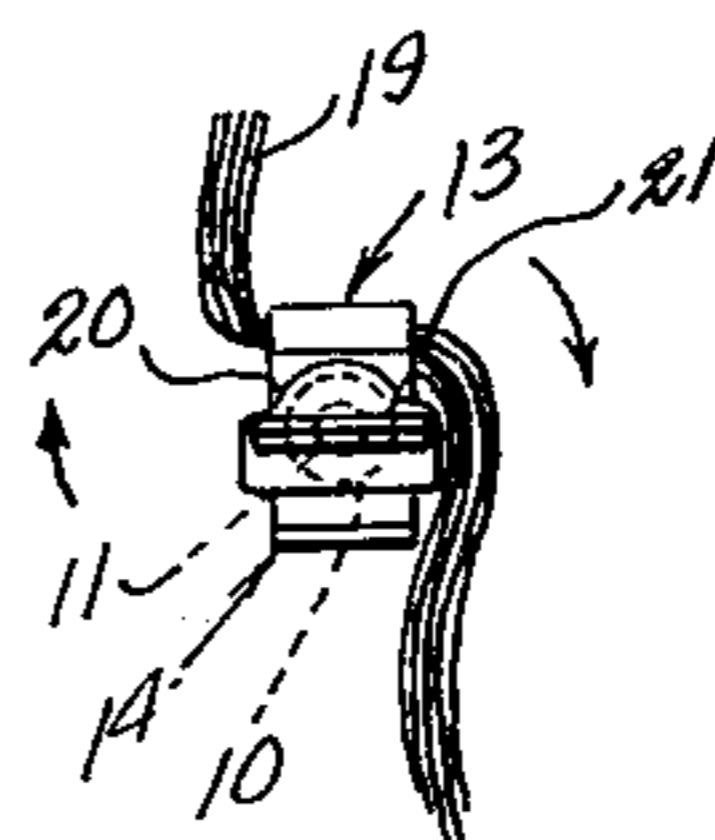


FIG. 3.

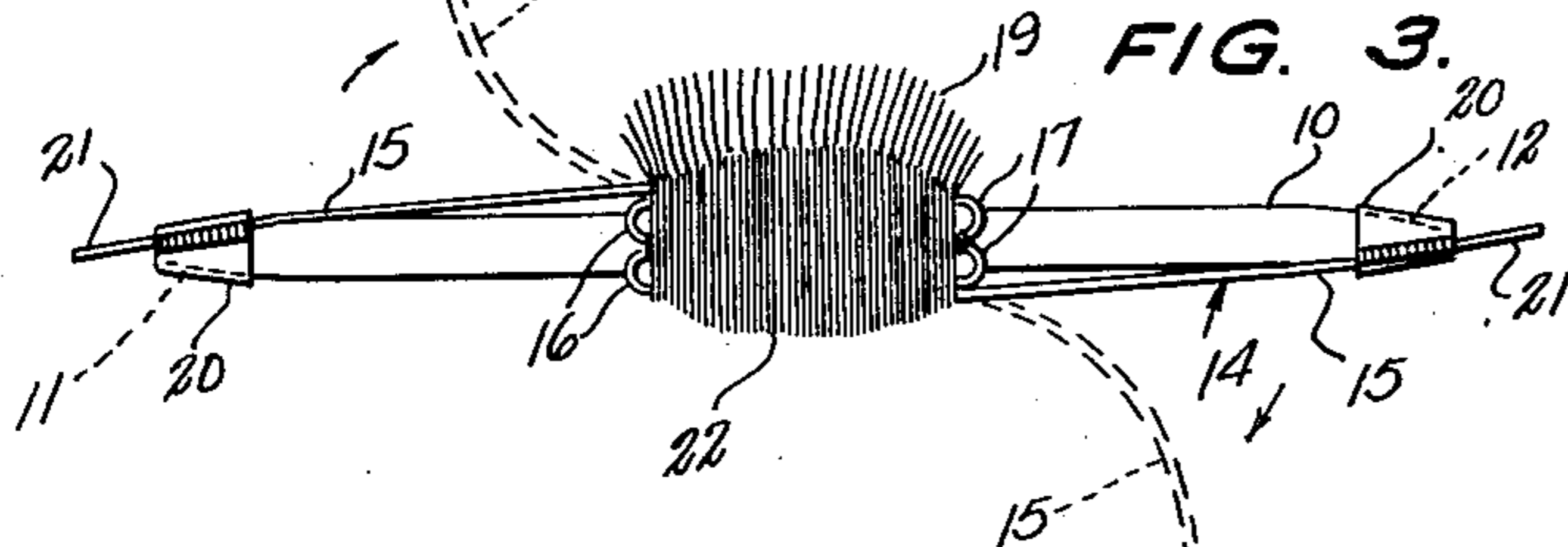


FIG. 4.

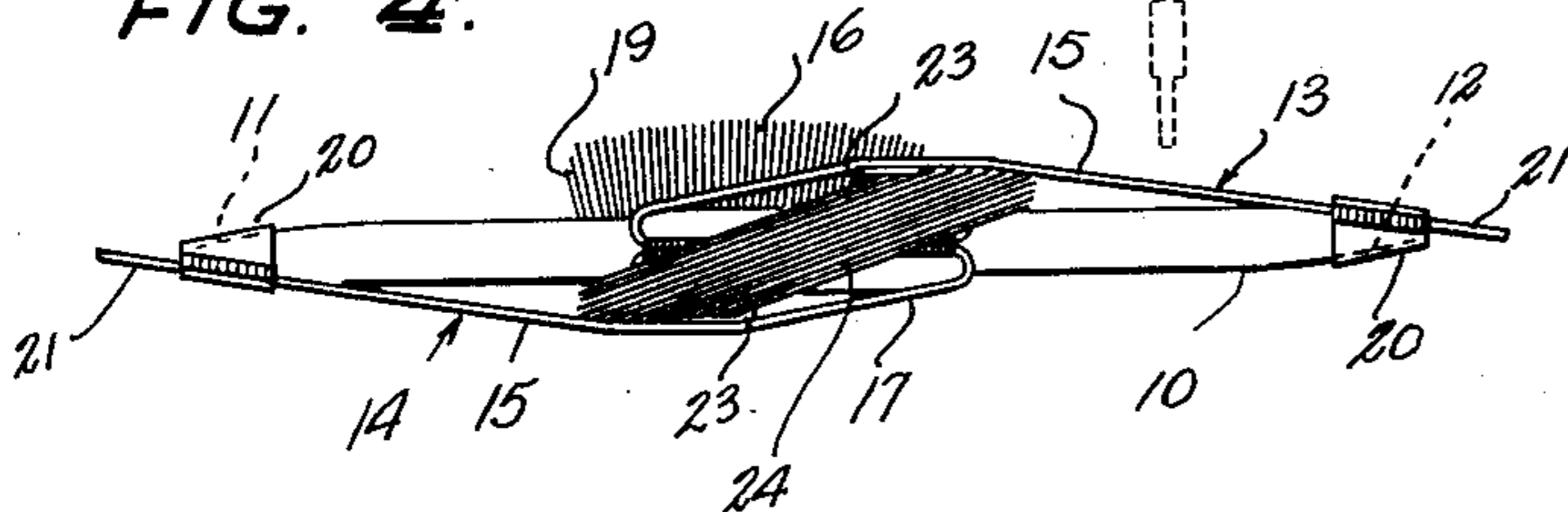


FIG. 5.

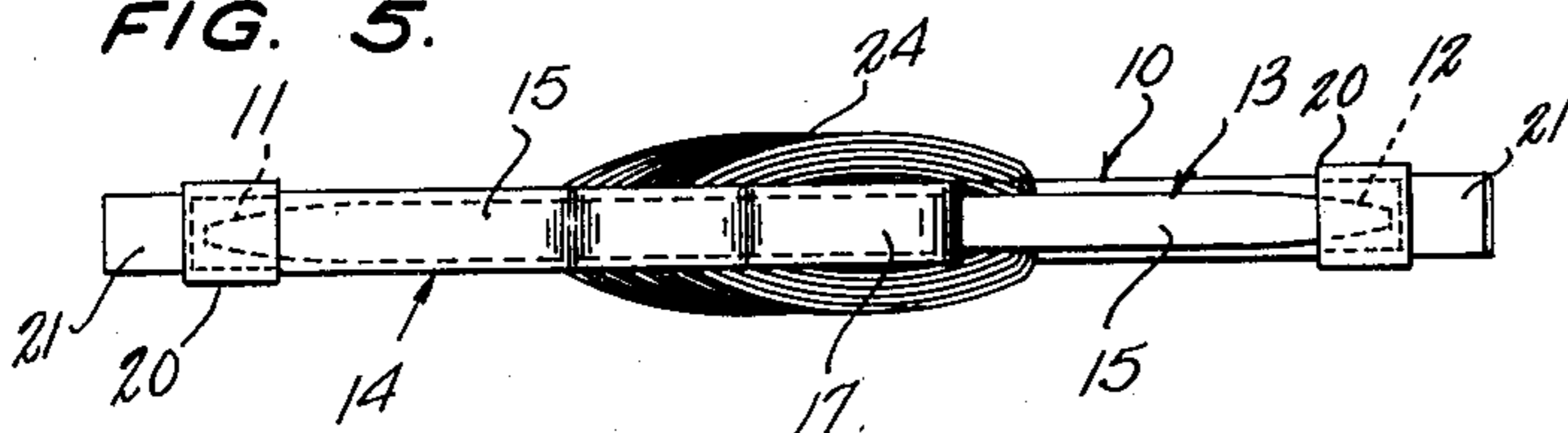


FIG. 7.

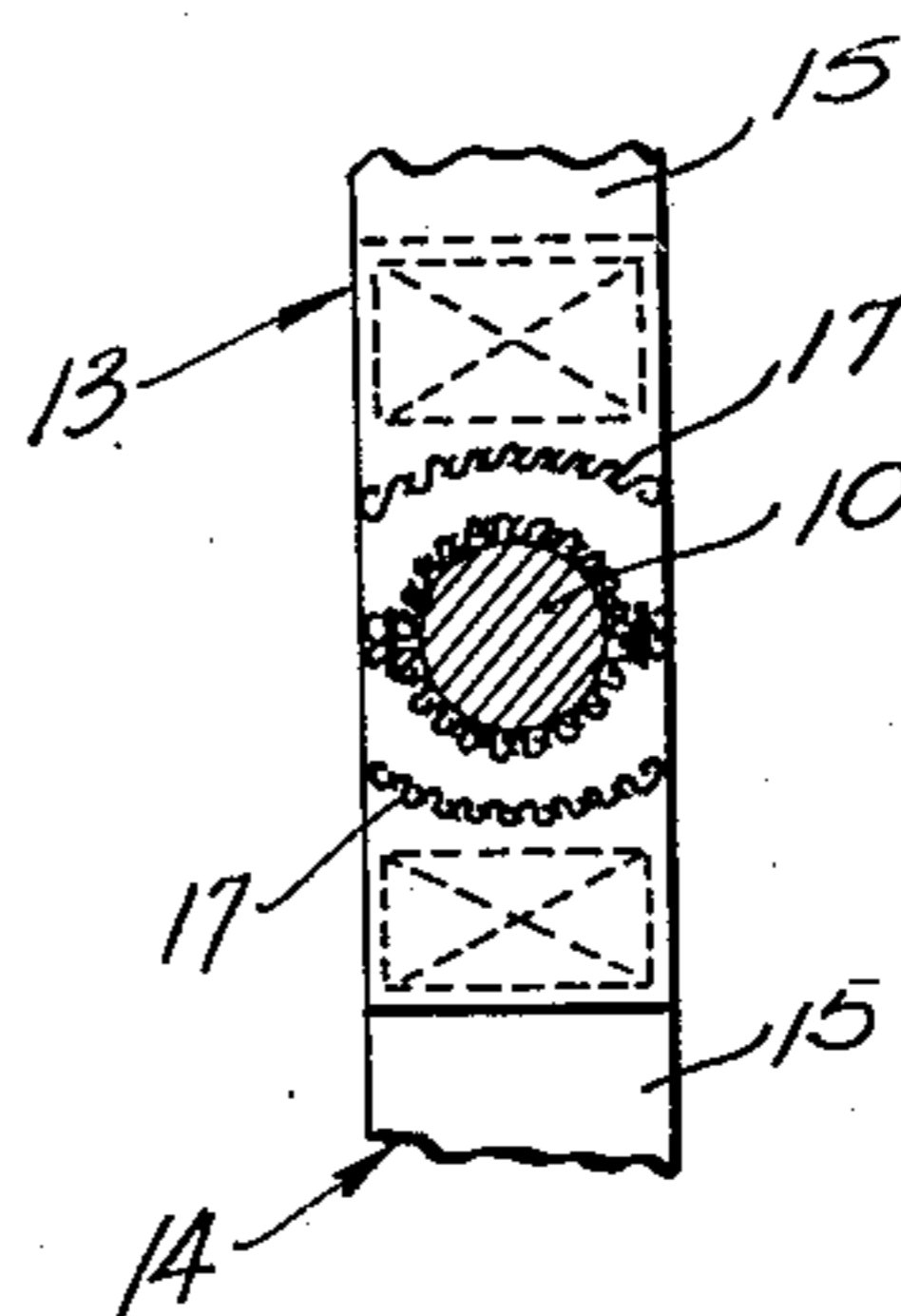
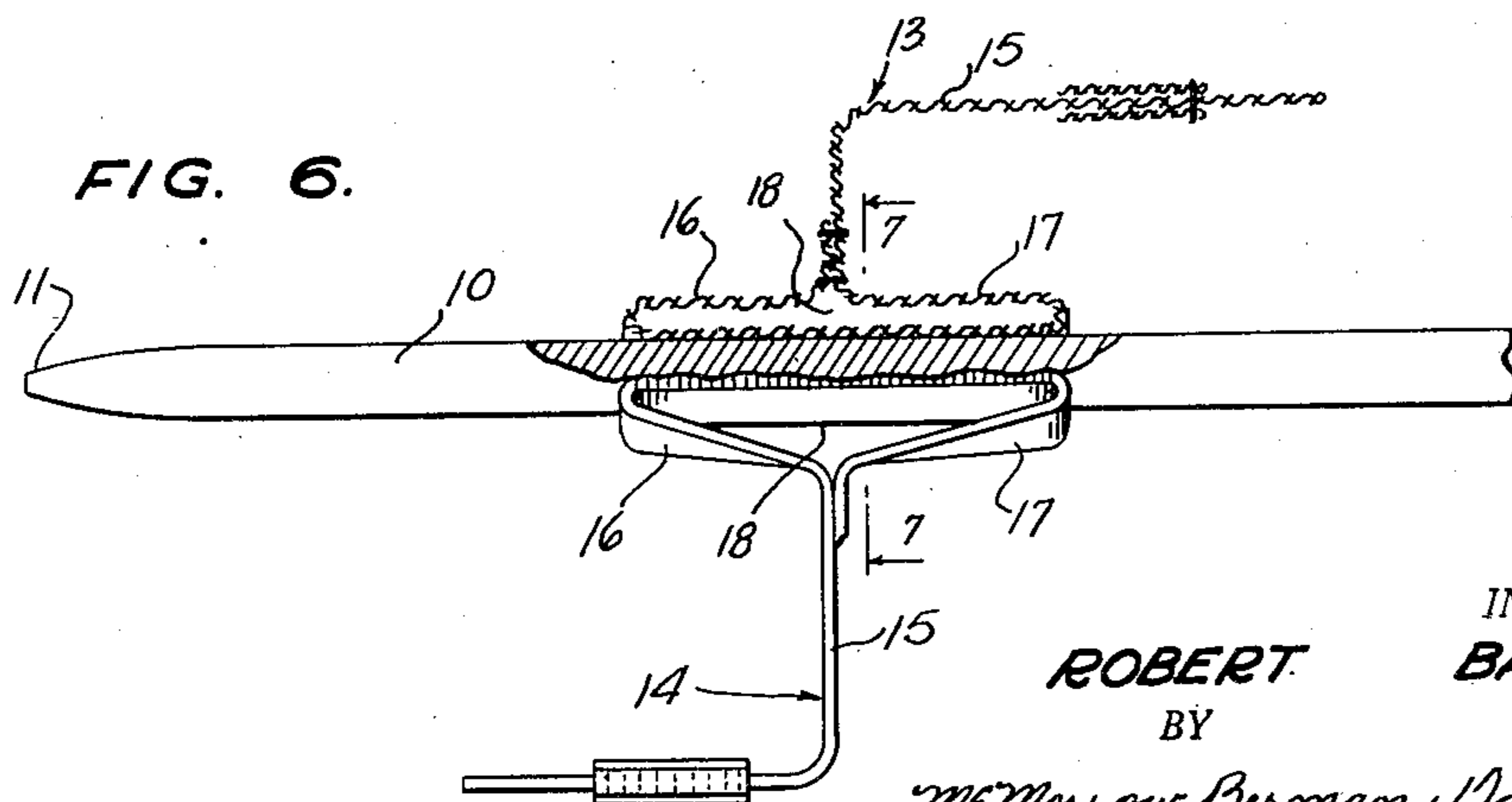


FIG. 6.



INVENTOR.
ROBERT BACON,
BY
McMorrow, Berman & Davidson
ATTORNEYS.

UNITED STATES PATENT OFFICE

2,485,686

HAIR CURLER

Robert Bacon, Brooklyn, N. Y.

Application October 8, 1948, Serial No. 53,465

5 Claims. (Cl. 132-42)

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My invention relates to hair curlers, and more particularly to a hair curler adapted to form what is known as a sculpture curl. The sculpture curl according to the invention comprises a plurality of convolutions in a lock of hair wherein each convolution is slightly laterally offset relative to the preceding convolution.

With the foregoing in view, an object of my invention is to provide an improved curler for forming a sculpture curl.

A further object is to provide an improved hair curler for forming a sculpture curl which includes means for winding a cylindrical curl onto a form, and means for shifting the curl to a biased position providing a sculpture curl together with means for securing said curl in said biased position to set the curl.

Other objects and advantages reside in the particular structure of the invention, combination and arrangement of the several parts of the curler, all of which will be readily apparent to those skilled in the art upon reference to the attached drawing disclosing by way of an example one embodiment of the invention, in connection with the following specification, wherein the invention is shown, described and claimed.

In the drawing:

Figure 1 is an elevational view of one form of the invention showing the parts in an initial position;

Figure 2 is an end elevation of the structure of Figure 1, looking from the left of Figure 1;

Figure 3 is a view like Figure 1, but showing the parts in an intermediate position;

Figure 4 is a like view showing the parts in a final position;

Figure 5 is a bottom plan view of Figure 4;

Figure 6 is an enlarged fragmentary elevational view, parts being broken away and shown in longitudinal section, and showing the parts in a position preliminary to the position of Figure 1;

Figure 7 is an enlarged transverse vertical section taken substantially on the plane of the line 7-7 of Figure 6.

Referring specifically to the drawing, wherein like reference characters have been used throughout the several views to designate like parts, and wherein there is illustrated by way of an example one form of curler according to the invention, 10 designates a curler body which may be of any suitable configuration, but which is preferably an elongated cylindrical member. In this connection, the body 10 has been shown in the drawing as being relatively thick and, in practice, would

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preferably be somewhat thinner. However, for the purpose of illustration, the body 10 as shown is sufficient. The body 10 is provided with free ends 11 and 12 which are preferably substantially frusto-conical. As best seen in Figure 6, a portion of the body 10 intermediate the ends 11 and 12 thereof, has secured to opposite sides thereof a pair of elongated members generally indicated at 13 and 14.

In the embodiment illustrated, the members 13 and 14 are identical, whereby it will be sufficient to describe but a single one of them. Likewise, in the embodiment illustrated, each elongated member is formed from a strip of flexible resilient material which is substantially Y-shaped to provide a leg 15 and a pair of diverging arms 16 and 17, each arm having one end secured to said leg. The other ends of the arms 16 and 17 are secured to one side of the body 10 in longitudinally-spaced relation, and in oppositely-disposed relation to the other pair of arms 16 and 17, whereby to provide slots 18 for the reception of the free end of a lock of hair 19, Figure 1, therein. With the free end of the lock of hair 19 inserted through at least one of the slots 18, as shown in Figure 1, the legs 15 of the members 13 and 14 are extended longitudinally along the body 10 toward opposite ends thereof. Each leg 15 includes a cap 20 which fits over one of the ends 11 or 12, whereby to maintain the legs 15 in stretched relation along the body 10. This operation causes the inner surface of the arm 16 of the member 13 to clampingly secure the free end of the lock of hair against the body 10. To provide a convenient means for stretching the legs 15, and applying the caps 20 to the free ends 11 and 12 of the body 10, each leg 15 is extended beyond the cap 20 thereof to provide a free end 21 forming a finger grip outwardly of the related cap.

With the lock of hair 19 secured to the body 10, as in Figure 1, the body 10 and/or the lock of hair is rotated in the direction of the arrows, Figures 1 and 2, until a cylindrical curl 22, Figure 3, is formed about the body 10 and the adjacent portions of the elongated members 13 and 14. The caps 20 are now removed from the free ends 11 and 12 of the body and moved, as is indicated in broken lines, Figure 3, in the direction of the arrows and secured, Figure 4, to the ends of the body 10 opposite to those to which they were originally secured. This movement forms bights 23, Figure 4, which engage opposite sides of opposite end portions of the curl 19 and which are operative to shift the curl relative to the body 10 to a biased position providing a sculpture curl

24. The sculpture curl 24 thus formed is left on the body 10 in the biased position until the curl has set, whereupon it is removed from the body 10 and treated in a well known manner.

While I have shown and described what is now thought to be a preferred embodiment of the invention for forming the curl, it is to be understood that the same is susceptible of other structures and of being formed by other methods. Consequently, I do not limit myself to the precise structure shown and described hereinabove except as hereinafter claimed.

I claim:

1. A hair curler, comprising an elongated body including free ends, a pair of flexible members secured to opposite sides of said body, said members including free ends adapted to be extended toward opposite ends of said body so as to extend said members along said opposite sides of said body in opposite directions, means for securing a lock of hair to said body intermediate said ends thereof whereby rotation of said body in one direction forms a cylindrical curl about the same and adjacent portions of said members, said free ends of said members being adapted to be extended reversely along opposite sides of said body so as to overlie said curl and form bights operatively engaging opposite sides of opposite ends of said curl, whereby to shift said curl on said body to a biased position forming a sculpture curl, and said free ends of said members being adapted to be secured to opposite ends of said body whereby to maintain said curl in said biased position.

2. A hair curler, comprising an elongated body including free ends, a pair of flexible elastic members secured to opposite sides of said body, said members including free ends adapted to be extended toward opposite ends of said body so as to extend said members along said opposite sides of said body in opposite directions, means for securing a lock of hair to said body intermediate said ends thereof whereby rotation of said body in one direction forms a cylindrical curl about the same and adjacent portions of said members, and said free ends of said members being adapted to be extended reversely along opposite sides of said body so as to overlie said curl and form bights operatively engaging opposite sides of opposite ends of said curl, whereby to shift said curl on said body to a biased position forming a sculpture curl, and said free ends of said members being adapted to be secured to opposite ends of said body whereby to maintain said curl in said biased position.

3. A hair curler, comprising an elongated body including free ends, a pair of elongated members secured to opposite sides of said body, said members including free ends adapted to be extended toward opposite ends of said body so as to extend said members along said opposite sides of said body in opposite directions, means for securing a lock of hair to said body intermediate said ends thereof whereby rotation of said body in one direction forms a cylindrical curl about the same and adjacent portions of said members, said members being adapted to be extended reversely along said opposite sides of said body so as to engage opposite sides of opposite ends of said

curl and move said opposite sides of said curl longitudinally of said body in opposite directions so as to shift said curl on said body to a biased position forming a sculpture curl, and said free ends of said members being adapted to be secured to opposite ends of said body whereby to maintain said curl in said biased position.

4. A hair curler, comprising an elongated body including free ends, a pair of Y-shaped flexible elastic members each including a leg and a pair of diverging arms having one of their ends secured to said leg, the other ends of said arms of one member being secured to one side of said body intermediate the ends of the latter in longitudinally-spaced relation, the other ends of said arms of the other member being similarly secured to the opposite side of said body in opposed relation to said first-named member, said legs of said members including caps seatable over opposite ends of said body upon stretching of said legs along said body in opposite directions, said arms of at least one of said members cooperating with said body to provide means for securing a lock of hair to said body for winding of said lock about said body and said arms to form a cylindrical curl, said caps being adapted to be thereafter secured to ends of said body opposite to those to which said caps were originally secured, whereby to form bights in said legs engaging opposite sides of opposite ends of said curl and operative to shift said curl to a biased position forming a sculpture curl.

5. A hair curler, comprising an elongated body including free ends, a pair of Y-shaped flexible elastic members each including a leg and a pair of diverging arms having one of their ends connected to said leg, the other ends of said arms of one member being secured to one side of said body intermediate the ends of the latter in longitudinally-spaced relation, the other ends of said arms of the other member being similarly secured to the opposite side of said body in opposed relation to said first-named member, said legs of said members including caps seatable over opposite ends of said body upon stretching of said legs along said body in opposite directions, said arms of at least one of said members cooperating with said body to provide means for securing a lock of hair to said body for winding of said lock about said body and said arms to form a cylindrical curl, said caps being adapted to be thereafter secured to ends of said body opposite to those to which said caps were originally secured, whereby to form bights in said legs engaging opposite sides of opposite ends of said curl and operative to shift said curl to a biased position forming a sculpture curl, and said legs including free ends formed to provide finger grips outwardly of said caps.

ROBERT BACON.

REFERENCES CITED

The following references are of record in the file of this patent:

FOREIGN PATENTS

Number	Country	Date
665,044	Germany	Sept. 15, 1938