March 23, 1937. A. LASITY 2,074,405

HAIR CURLING DEVICE

Filed Nov. 19, 1935

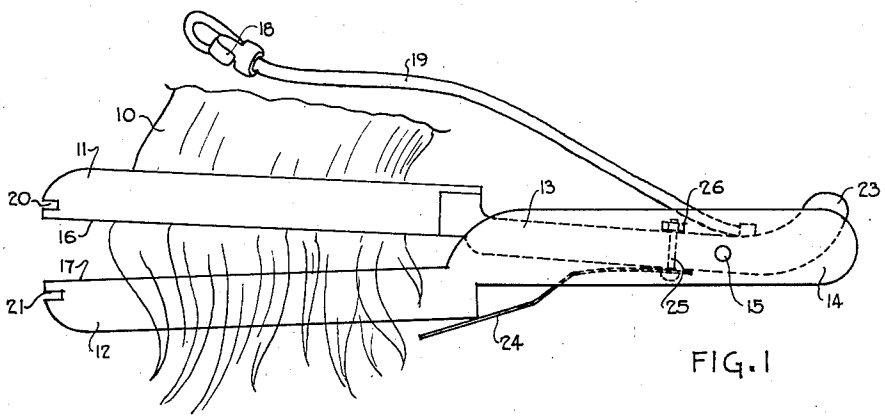


FIG. 1

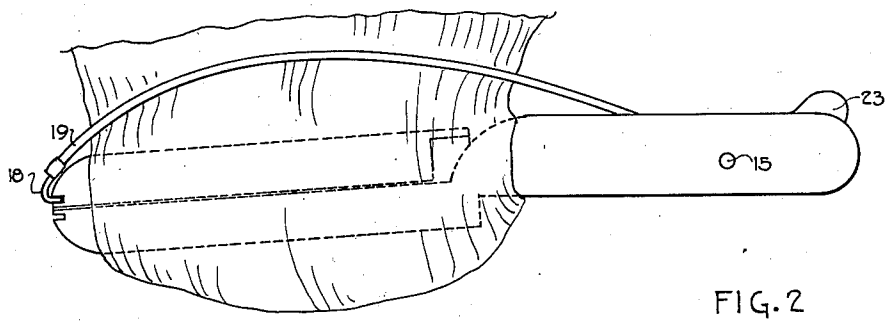


FIG. 2

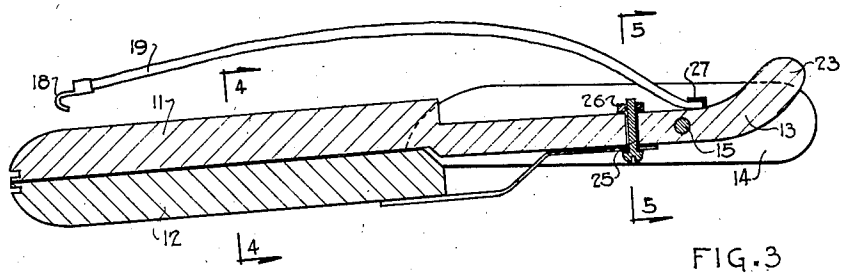


FIG. 3

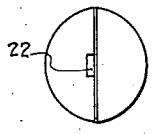


FIG. 6

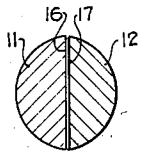


FIG. 4

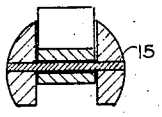


FIG. 5

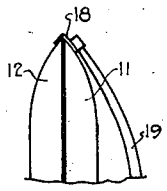


FIG. 7

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Patented Mar. 23, 1937 2,074,405

UNITED STATES PATENT OFFICE

2,074,405

HAIR CURLING DEVICE

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Application November 19, 1935, Serial No. 50,510

5 Claims. (Cl. 132—41)

This invention relates to new and useful improvements in hair curling devices, and it has for its object to provide means, which on account of their ingenious construction will be especially adaptable and effective in the operation and process of curling hair.

As the construction of the device is comparatively simple the cost of manufacturing should be proportionately low.

With the above and other objects in view, this invention consists of the novel features of construction, combination and arrangement of parts hereinafter fully described, claimed and illustrated in the accompanying drawing forming part of this application, and in which similar characters of reference indicate corresponding parts in all views, and in which:

Figure 1 is a side elevational view of my device, showing the latter open, or in the first step of operation.

Figure 2 is a similar view of my invention, showing the latter closed, or in the final step of operation.

Figure 3 is a longitudinal transverse sectional view of my device.

Figure 4 is a transverse sectional view on the lines 4—4 in Figure 3; while

Figure 5 is a transverse sectional view on the lines 5—5 in Figure 3.

Figure 6 shows a modification of my device, relative to the fastening, or closing means thereof; while

Figure 7 shows another modification in this regard.

Referring more particularly to the drawing, Figure 1 illustrates a hair curling device, in which the hair 10 is about to be inserted for curling between the fingers 11 and 12, which form continuations of the arms 13 and 14, the latter being pivotally hinged together, as at 15. Said fingers 11 and 12, which engage, or clamp tightly upon the hair, as shown especially in Figure 2, are provided with flat inner surfaces 16, 17, as may be seen in the transverse section in Figure 4, while the top portions of said fingers are gently rounded, of a somewhat oval shape.

This form of construction has in practice proved to be the most satisfactory in order to provide curls most true and similar to natural ones.

In order to secure the two fingers 11 and 12 tightly together, when the hair has been inserted therebetween, a tiny hook 18 carried by an elastic string 19 is adapted to be inserted into one of the two recesses 20 and 21 formed at the end of the fingers 11 and 12, respectively.

In the latter respect modifications have been shown in the Figures 6 and 7. Thus in Figure 6 a slight recess 22 is formed in one of the members 11 or 12, and adapted to receive the hook 18 therein; while in Figure 7 the end portions of the fingers 11 and 12 have been made tapered to such an extent that the hook 18 will readily embrace the ends of both fingers.

The device is operated, or opened as to the fingers 11 and 12, by pressing the knob 23 at the end of the arm 13, by a person's finger, simultaneously resting another of said person's fingers against the lower part of the arm 14 below said knob 23.

The end portion of the arm 14 is of a bifurcated form and adapted to receive the corresponding portion of the arm 13 therein, the two parts being, as said before, connected by means of a bolt 15.

A spring 24 extending somewhat below the finger 12 is secured to the arm 13 by means of a screw and nut, 25 and 26, respectively.

The string 19 has one end secured to the arm 13 by any suitable means of attachment, for instance, as shown a bolt, which fastens the said string solidly to the arm, said bolt, or means of attachment being indicated by the numeral 27.

It will be noted that the device is of a finely shaped form embodying streamlines throughout.

While the arms with the fingers are shown herein as of a solid material, it is obvious that said fingers may very well be hollow, and, if desired, have their walls perforated. It is also to be understood that any kind of suitable material may be used for said device.

It is, of course, to be understood that the purpose of the string 19 is primarily to secure the hair from unrolling during the curling process.

It is further obvious that changes may be made in the form, construction and arrangement of the several parts, as shown, within the scope of the appended claims, without departing from the spirit of the invention, and I do not therefore wish to limit myself to the exact construction and arrangement shown and described herein.

What I claim as new and desire to secure by Letters Patent of the United States, is:—

1. In a device of the class described, a hair curling apparatus, comprising two members pivotally hinged together, said members being in part formed with flat inner surfaces for engaging the hair, one of said members being made with a bifurcated end portion adapted to receive therein the corresponding end portion of the other member, a spring secured to the first mem-

ber and extending below the second member, whereby automatically to impart a gripping effect to the flat portions of said members, and means for securing the latter tightly together during operation.

2. In a device of the class described, a hair curling apparatus, comprising two members pivotally hinged together, said members being in part formed with flat inner surfaces for engaging the hair, one of said members being made with a bifurcated end portion adapted to receive therein the corresponding end portion of the other member, said latter member terminating in a manipulating knob at the end thereof, a spring secured to the first member and extending below the second member, whereby automatically to impart a gripping effect to the flat portions of said members, and a hook attached to an elastic string and adapted to secure the members tightly together during operation.

3. In a device of the class described, a hair curling apparatus, comprising two members pivotally hinged together, said members being in part formed with flat inner surfaces for engaging the hair therebetween, one of said members being made with a bifurcated end portion adapted to receive therein the corresponding end portion of the other member, said latter member terminating in a manipulating knob at the end thereof, a spring secured to the first member and extending below the second member, whereby automatically to impart a gripping effect to the flat portions of said members, the latter having the outer sides thereof tapered to substantially thin end pieces, a hook attached to an elastic string and adapted to engage said tapered end pieces, and means for securing the elastic string to said first member.

4. In a device, as claimed in claim 2, and wherein the flat end portions of the members are each provided with a tiny recess at the top thereof adapted to receive the hook member.

5. In a device, as claimed in claim 2, and wherein one of the flat end portions of the members is provided with a tiny recess at the top thereof adapted to receive the hook therein.

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