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L. I. LEON

2,467,487

CURL CLIP

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Fig. 1

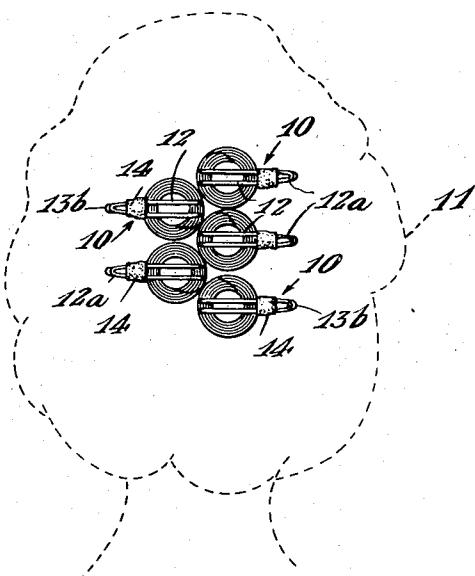


Fig. 3

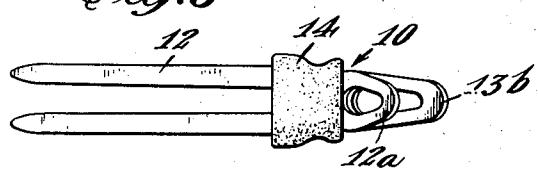


Fig. 2

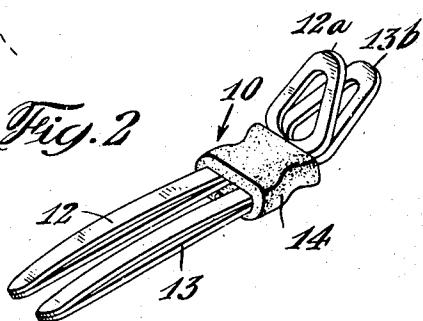


Fig. 4

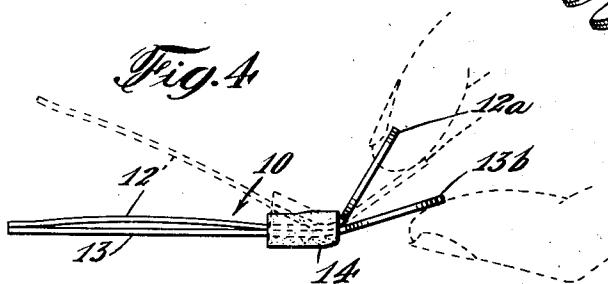


Fig. 5

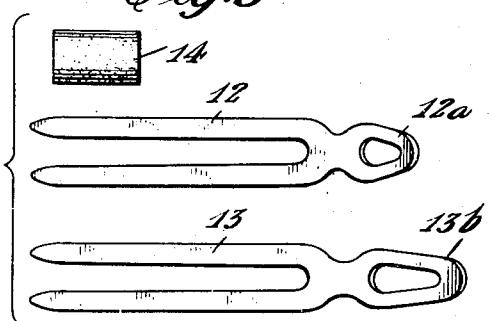
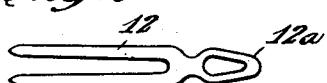


Fig. 6



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## UNITED STATES PATENT OFFICE

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## CURL CLIP

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4 Claims. (Cl. 132—46)

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My invention relates to a device, extremely simple and of relatively light weight, which is used in connection with waving or curling of hair, having a particular adaptability of holding in gripped position a curl, enabling it to become set whether said curl be formed up dry or with a hair set lotion.

Furthermore, my invention has an adaptability as a hair holding clip because of its compact shape, enabling it to be easily inserted in the hair.

I am aware that similar articles have been devised and are now in use in various forms and styles. My invention, however, is possessed of novel features that make it most desirable for users of such articles, and which is inexpensive and easy of manufacture and in the assembly thereof.

My invention consists of two pronged hairpin shaped stampings or similarly shaped formations which upon assembly are placed one over the other the upper section or formation resting easily and capable of slight side movement in the bent in portion of the lower section as shown in Fig. 4 and said sections are resiliently held together by means of a short piece of rubber tubing, the latter serving as a holding medium for the two pronged stampings or similar formations, and also serving as a retractile spring medium for retracting said pronged stampings or portions when they are pried apart by means of pressure against the end or head portions of said pronged parts with the thumb and finger, and then released. The prying apart of the pronged portions is to permit a curl to be gripped in between them after the curl is placed in position between the prongs, and then permitting the resilient pressure of the rubber tubing to force the two pronged parts together.

In further description of my invention, reference may be had to the accompanying drawings, 40 in which:

Fig. 1 is a dotted outline of the head of a person, and also showing the manner of engaging the curlers in the position of holding the respective curls in position for the setting thereof;

Fig. 2 shows a perspective view of the curler made in accordance with my invention;

Fig. 3 shows a plan view of the curl clip;

Fig. 4 illustrates the manner in which the upper pronged member may be lifted with the thumb and finger preparatory to the insertion of a curl of hair between said two pronged members;

Fig. 5 is an exploded view of the curl clip showing the three separate parts thereof; and

Fig. 6 is a plan view of a single pronged hairpin 55

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stamping or plate of the hair clip which, when disassembled, can be used as a single hair pin.

Referring to the drawings, in Fig. 1 there will be seen a group of individual curl clips 10 placed in position on the head 11 of a person, each clip holding a curled lock of hair which is secured between the two pronged portions 12 and 13.

The device 10 consists generally of two pronged hairpin sections 12 and 13, one section being 10 mounted on top of the other, and which are held in position by a small section of rubber tubing 14 which also serves as a recoil or retractile medium in retracting said prongs to normal closed position when being released after having been pried apart. 15 The tubing 14 furthermore permits a degree of side play of said hairpin sections, said movement being of material assistance in placing the hair curl in set position and in conformity with the shape and thickness thereof. The finger portion 12a of the pronged section 12 has an upward or divergent bend, and likewise the pronged portion 13b is bent divergently upward but not at the same degree angle, said angularly divergent difference enabling a convenient finger hold in the act of prying the pronged sections of the device apart.

In Figs. 2, 3 and 4 can be seen the curl clip from different views, illustrating the manner of the stretching of the small section of rubber tubing 14 and the angular and divergent finger engaging portions 12a and 13b.

In Fig. 4 the dotted lines indicate the manner in which the two pronged sections 12 and 13 may be spread apart to engage a curl in the manner shown in Fig. 1. The hairpin pronged sections require but a minimum area to hold the curl securely, thus allowing the maximum of exposure of the curl to the air for setting or drying, and yet grip the hair curl securely in position until the desired result is accomplished of said setting and drying thereof, in the latter case if a hair set lotion is used.

The upper pronged portion 12 is somewhat curved as shown in Figs. 2 and 4. The curving aforesaid is important in that it affords a space area between the upper and lower pronged sections for the hair curl, and yet the curl is gripped and held securely at each end of the hairpin pronged sections 12 and 13 in the manner shown in the drawings.

Referring to Figs. 2 and 3, there is shown in these figures on each side of the pronged sections 12 and 13 and below their respective heads 12a and 13b, an arcuate recess, said arcuate recess enabling the rubber tubing piece 14 to conform-

ingly retract into said arcuate recess, said retraction of said tubing enabling a positive grip upon said pronged sections in their assembled positions, and furthermore, enabling a better and firmer resilient pressure upon the lower prong 13 which in turn enabling a better hold of the hair curl when said hair curl is placed and held between said pronged sections.

Referring to Figs. 5 and 6, it will be seen from the exploded views that the device is made up 10 substantially of three simple parts, that of the prong sections 12 and 13 and the small piece of rubber tubing 14. The ease of the manufacture and assembly of such parts into the completed device as shown in the drawings will be readily 15 apparent. The views aforesaid also show that the user can disassemble and assemble the device with ease, and utilize, if desired, the two hairpin pronged sections separately as hair pins.

The device in its entirety can furthermore be 20 used as a hair holding pin, if desired, owing to its compactness, gripping qualities, and relatively light weight.

The hairpin pronged sections may be made of 25 a variety of materials, such as metals, plastics, wood, etc., and may be stamped from sheet material or molded.

From the foregoing, it is obvious that a hair curler, made in accordance with my invention, affords an inexpensive and efficient article, and that the pronged portions of the curler are easily 30 insertible in the hair without becoming entangled with other portions of hair on the scalp, due to the fact that the device in its compact form is virtually a hair pin in form and function as well 35 as a hair clip, and, as already stated, can be disassembled and thus enable the use of two separate hair pins if so desired by the user.

Now, having described my invention, what I 40 claim is:

1. In an article of manufacture of a curl clip including two hair pin shaped sections, each of 45 said sections being bent at different angles at the heads thereof, said sections being positioned one above the other, the bent portion of the upper section resting in the bent in portion of the lower section, said sections held together by a tubing of resilient material through which said sections are inserted, said sections readily made separable 50 and utilizable as individual hair pins, said rubber tubing serving as a resilient recoil, and also permitting a yieldingly side movement of said sections when said sections are pried apart by the fingers holding said hair clip to permit a hair curl to be inserted therebetween, whereby upon the release of said prying of said sections causing the retraction thereof, and the gripping of said hair curl between said sections; and each of said sections positioned one above the other having oppositely 55 positioned bow shapings thereby permitting a space area for the hair curl that shall have been held between said pronged portions of the curl aforesaid.

2. A hair clip including two sections, each section having a hair pin conformation and which is utilizable as an individual hair pin, each of said sections having a head with a diversional bend thereon, said bendings being formed at an angular 60 difference from each other, said sections being

positioned one above the other, the uppermost section resting conformingly in the bent in portion of the lower hair pin section, each of said sections having arcuate recesses at the sides and below the heads thereof, said sections being held together and in position by a tubing of resilient material through which said sections are inserted and which is positioned over said arcuate recesses of said sections and conformably shaped thereby by the retraction thereof upon the hair pin sections aforesaid.

3. In a hair curl clip, comprising a pair of cooperating elongated hair clamping members formed to provide clamping jaw portions and a finger grip bent upwardly at an obtuse angle on the outer end of one clamping member that is adapted to be disposed next to the head of the wearer, and a companion finger grip bent upwardly at a greater angle on the outer end of the companion clamping member, whereby to define a fulcrum portion for rocking movement of one member on the other when the finger grips are pressed together, an elongated rubber sleeve which is stretched radially and slipped over the members from one end toward the fulcrum portion to tightly embrace the members and hold the same in cooperating tiltable operative relationship besides serving as a means for resiliently closing the clamping jaw portions, said members being of reduced width at the fulcrum point to frictionally hold the sleeve against endwise displacement relative to said members.

4. A curl clip, comprising a pair of abutting sheet metal clamping members both of elongated form, each comprising a clamping portion at one end and a finger grip at the other end, the finger grip on the clamping member disposed next to the head of the wearer being bent upwardly to form an obtuse angle relative to the clamping portion, the finger grip on the other member being bent upwardly at a greater angle, whereby said finger grips are normally in angularly spaced relation and adapted to be pressed together, a fulcrum portion being also thereby defined at the inner end of the last named finger grip for rocking engagement thereof on the inner end of the first named finger grip, and an elongated rubber sleeve which is stretched radially and slipped over the members from one end to an intermediate position extending from the finger grips toward the clamping portions tightly embracing the members and holding the same in cooperating tiltable operative relationship with the clamping portions normally tightly closed resiliently so as to clamp a strand of hair therebetween.

LEONARDO I. LEON.

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