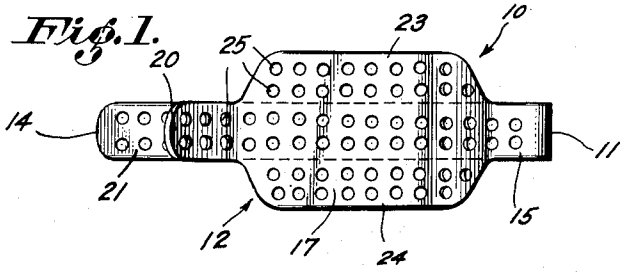
Nov. 17, 1953 V. CASERTA 2,659,378

PIN CURL CLIP

Filed May 5, 1951

Fig. 1.



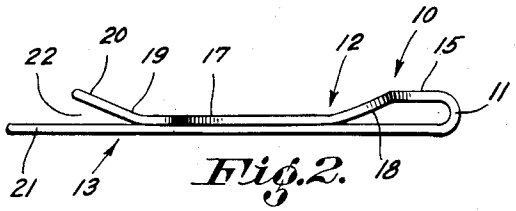


Fig. 2.

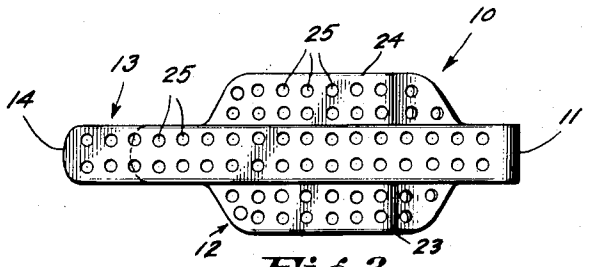


Fig. 3.

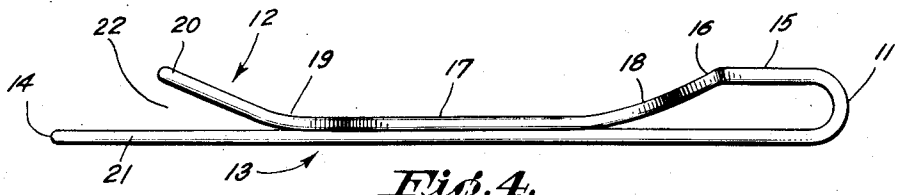


Fig. 4.

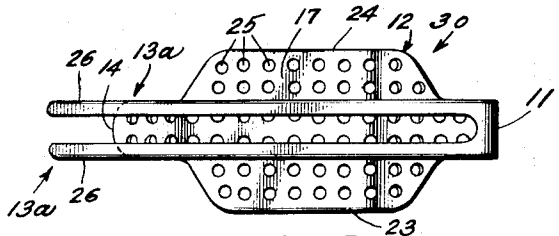


Fig. 5.

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Patented Nov. 17, 1953

2,659,378

UNITED STATES PATENT OFFICE

2,659,378

PIN CURL CLIP

Victor Caserta, Bridgeport, Conn.

Application May 5, 1951, Serial No. 224,683

1 Claim. (Cl. 132—46)

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This invention relates to new and useful improvements in pin curl clips.

A primary object of the invention is to provide a pin curl clip which is self-opening whereby it may be easily applied to a pin curl and which will hold a pin curl in position during drying thereof.

Another object is to provide a self-opening pin curl clip constructed or formed from a single length of flat stock and which throughout substantially its entire area is perforated whereby to facilitate the drying of a pin curl being held.

A further object is to provide a pin curl clip having the characteristics stated and which will firmly and securely grip the pin curl to which it is applied.

Other objects and advantages of the invention will become apparent from a consideration of the following detailed description taken in connection with the accompanying drawing wherein satisfactory embodiments of the invention are shown. However, it is to be understood that the invention is not limited to the details disclosed but includes all such variations and modifications as fall within the spirit of the invention and the scope of the appended claim.

In the drawing:

Fig. 1 is a top plan view showing a pin curl clip constructed according to the present invention;

Fig. 2 is a side elevational view thereof;

Fig. 3 is a bottom plan view thereof;

Fig. 4 is a view similar to Fig. 2 but greatly enlarged; and

Fig. 5 is a bottom plan view similar to Fig. 3 but showing a modification.

Referring in detail to the drawing and at first more particularly to Figs. 1–4, my improved self-opening pin curl clip, generally designated 10, is formed from a single piece of stiff spring stock. The stock is bent upon itself, substantially midway its ends, providing a connecting or bight portion 11 and a pair of arms generally designated 12 and 13, of which the former is considered the outer arm while the latter is considered the inner or base arm. The base arm 13 is of uniform width and is straight and flat and preferably has its free end rounded off as at 14. In this connection it will be understood that the entire structure is made free of sharp corners and free of burs.

Outer arm 12, adjacent the bight 11, comprises a portion 15 which is substantially parallel with the base arm 13 and is spaced from the latter. Then said outer arm, begining at approximately the point 16, is longitudinally curved inwardly to

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a mid-portion or pressure portion 17. This portion 17 is elongated and is curved only inwardly and outwardly adjacent its respective ends and is not transversely curved whereby it is flat on its inner side. The mentioned portion curves first inwardly at 18 toward the base arm 13 and then toward its free end portion 17 curves or inclines slightly outwardly as at 19 with respect to the base arm but its main or intermediate portion is flat and against the upper side of base arm 13. This main or intermediate part of the widened portion 17 is flat or nearly flat. At the forward end of portion 17, as beyond the point 19, outer arm 12 is bent to extend outwardly and forwardly comprising a portion 20 located at an angle to the forward portion 21 of base 13 whereby an entrance opening or throat 22 results.

The portion 17 of the outer arm 12 is laterally enlarged as clearly shown in Figs. 1 and 3 and such laterally enlarged portions are designated 23 and 24. Thus, portion 17 is of considerable width as compared to other portions of the clip and is longitudinally flat or substantially flat so that it is straight or substantially straight and has its inner surface located against or at least quite close to the outer or opposing surface of the base arm 13. Additionally, portion 17 is shown as having straight or substantially straight outer or side edges. This is for the purpose of avoiding any possibility of a clip on one curl interfering with a clip on an adjacent curl.

As mentioned above, the present pin curl clip is formed of relatively stiff spring stock, preferably a metal, and the U-shaped portion of its inner or closed end, of which the bight 11 constitutes a part, comprises a spring set to return the arms 12 and 13 to the shown relationship, although it will be understood that these arms may be sprung apart.

When applying my clip to a formed curl, as the curl is held the clip is slipped over the curl so that the base arm 13 of the clip is at the underside of the curl and the outer arm 12 of the clip is against the outer side of the curl. The clip is simply pushed into place, the curl entering through the throat 22, and as the clip is pushed over the curl, its arms 12 and 13 are sprung apart but exert a clamping action on the curl to retain it in shape.

The base arm 13 being flat as described and the arm 12 being also of flat stock, there is little, if any, resistance to the sliding of a clip onto the curl. The clip is in both arms and particularly in its widened portion 17, provided with relatively small perforations 25 to facilitate circulation of

air through the clip and through a curl being held whereby the clip does not seriously interfere with drying of the curl. However, the clip is not perforated in its bight or connecting portion 11 whereby such portion is not weakened and the arms of the clip are spring urged toward one another and will tightly grip a pin curl.

Referring now specifically to Fig. 5, where the parts are the same, the same reference characters have been applied. Thus, it will be clear that in the modified construction of clip, generally designated 30, the construction is the same as that previously described with the single exception that the base arm 13a is bifurcated from its free end to a point slightly beyond the inner end of the widened portion 17, as inwardly beyond the longitudinally curved portion 18 of the outer arm. Thus, the base arm of the clip 30 comprises the spaced arm portions 26.

It is noted that the clip as disclosed is of simple and inexpensive construction being formed of but the single piece of stock. Additionally, the clip is easily applied since it is just pushed into place over an edge of the curl, the entrance throat 22 of the clip facilitating starting of such action. In order that the stock will not be weakened to reduce its spring action and its tendency to return to a normal condition, the stock in both illustrated forms is free of perforations in the bight portion 11.

Having thus set forth the nature of my invention, what I claim is:

A self-opening pin curl clip comprising a body consisting of a single length of stock bent upon itself intermediate its ends and comprising a base arm and a superimposed outer arm connected by a bight portion, said base arm being flat and straight throughout its length, said outer arm comprising an intermediate laterally enlarged longitudinally and transversely flat portion and terminating at its forward end in a narrower end portion inclined outwardly away from the base arm and forming with the free end portion of the base arm an unobstructed entrance throat for a curl.

VICTOR CASERTA.

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