June 24, 1952 B. EINHORN ET AL 2,601,435

HAIR PIN

Filed Jan. 13, 1950

Fig. 1.

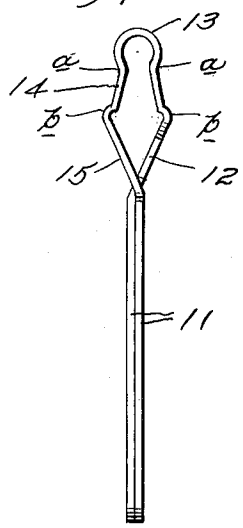



Fig. 2.

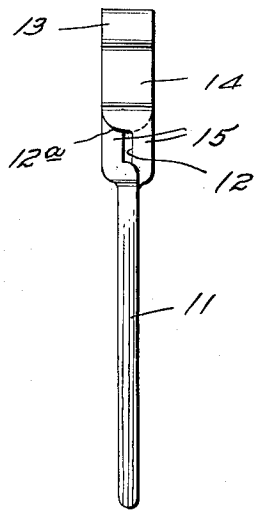



Fig. 3.

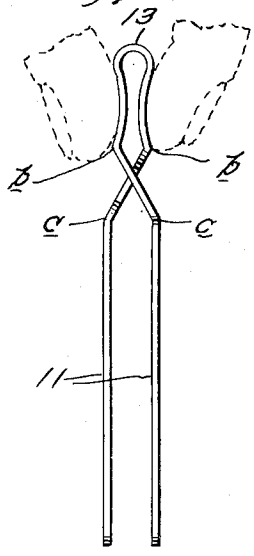
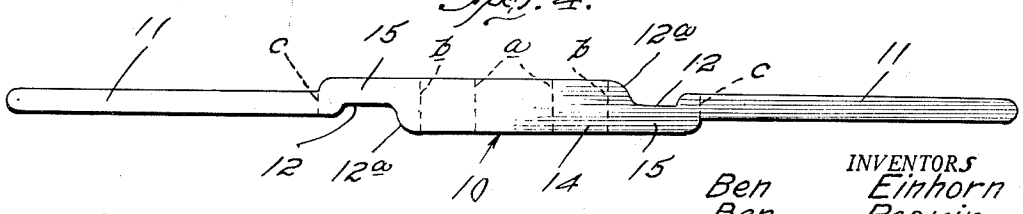



Fig. 4.




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## HAIRPIN

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Application January 13, 1950, Serial No. 138,464

2 Claims. (Cl. 132—50)

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This invention relates to toilet devices and is directed particularly to improvements in hair pins.

A principal object of the present invention is to provide an improved hair pin of the type having two hair gripping legs, having means by which the legs can be easily separated to receive the hair without requiring the use of the finger nail or any other such means.

Another object is to provide an improved hair pin of the "bobby" pin type, having a resilient head portion which is designed in a novel manner whereby upon being compressed will cause the legs of the pin to be separated and upon being released will cause the pin legs to come firmly together.

The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawing forming a part of the specification, with the understanding, however, that the invention is not to be limited to the exact details of construction shown and described since obvious modifications will occur to a person skilled in the art.

In the drawing:

Figure 1 is a view in edge elevation of a hairpin constructed in accordance with the present invention, showing the same closed.

Figure 2 is a view in side elevation of the same.

Figure 3 is an edge view of the pin opened.

Figure 4 is a plan view of the metal pin blank before being bent to form the pin.

Referring now more particularly to the drawing it will be seen upon reference to Figure 4 that the pin is stamped from a single piece of metal of suitable gage to form a middle portion 10 of maximum width, and the two leg portions 11 which are of the same width but approximately half the width of the middle portion. The legs 11 extend, one from each end of the middle portion 10, and each leg is located midway between the longitudinal edges of the central portion.

The central portion 10 at each end and upon opposite sides is cut out to provide the long notches 12.

In forming the pin from the blank, the blank is bent transversely, midway between its ends, between the lines designated *a* to form the loop head 13.

Between the lines *a* and *b* the portions 14 of the material are arranged to extend from the head in outwardly divergent relation and the

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notched portions 15 are bent back on the cross lines *b* into the convergent relation shown in Figure 1, and are crossed edge to edge so that one notch engages in the other. Since the center lines of the legs are also the longitudinal center of the central portion 10, when the convergent portions 15 are connected in cross relation, the two gripping legs will be positioned one flat against the other.

In forming the convergent portions 15 a transverse bend is made on the cross line *c* to bring the legs into a position relative to the portions 15, so they will engage flat against one another, as shown.

When pressure is applied from the two sides of the head, against the divergent portions 14, the notched convergent portions 15 will slide one across the other to separate the legs 11 as shown in Figure 3. The extent of separation is limited by the shoulder portions 12*a* of the notches, one shoulder coming against the face of the opposing part of the adjacent portion 15. The legs are thus separated in parallel relation as shown in Figure 3 and when the finger parts 14 are released the resilient action of the looped head, which has been tensioned, brings the legs firmly together again, to function as jaws.

We claim:

1. A hair pin comprising an elongated strip of a resilient sheet material bent medially between its ends to provide an open loop portion, each of the ends of said loop portion having an elongated notch cut out from its side edge, the notch at one end of said loop portion being cut out from the side edge thereof opposite from the side edge of the other end of the loop portion from which the other notch is cut, and an elongated leg portion extending from each of the ends of said loop portion, said leg portions being narrower than said loop portion and disposed in contacting relation throughout their length, the ends of said loop portion being crossed at the points of connection of said leg portions therewith.

2. A hair pin comprising an elongated strip of a resilient sheet material bent medially between its ends to provide an open loop portion, each of the ends of said loop portion having an elongated notch cut out from its side edge, the notch at one end of said loop portion being cut out from the side edge thereof opposite from the side edge of the other end of the loop portion from which the other notch is cut, and an elongated leg portion extending from each of the ends of said loop portion, said leg portions being narrower than

said loop portion, the ends of said loop portion being crossed at the points of connection of said leg portions therewith.

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