Apr. 3, 1923. 1,450,239

W. S. BECHTOLD

HAIRPIN

Filed May 26, 1922

Fig. 1.

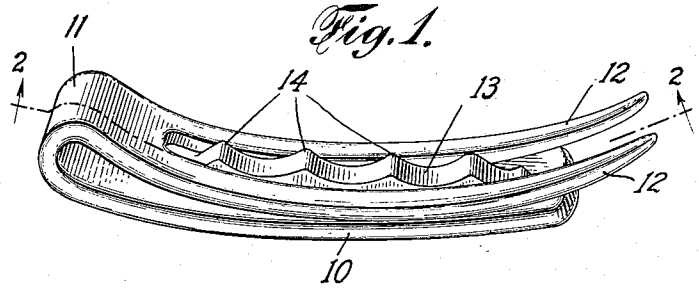


Fig. 2.

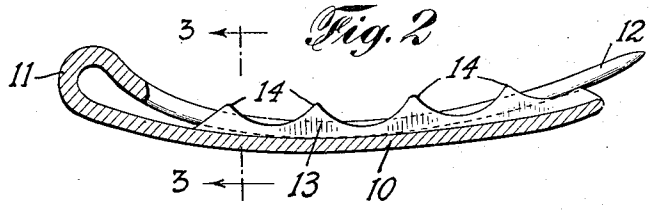


Fig. 3.

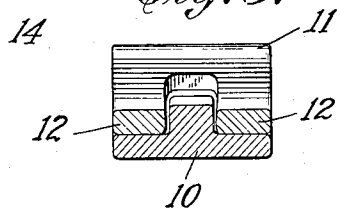
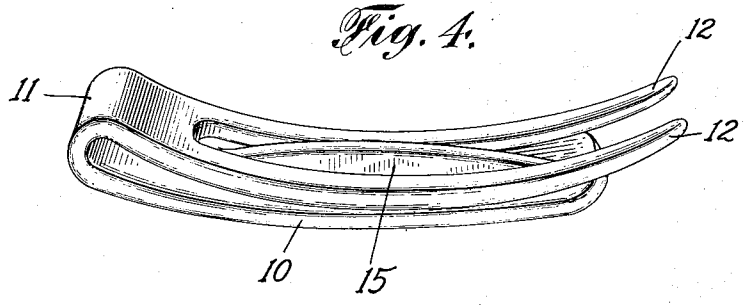


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM S. BECHTOLD, OF NEWARK, NEW JERSEY.

HAIRPIN.

Application filed May 26, 1922. Serial No. 563,750.

To all whom it may concern:

Be it known that I, WILLIAM S. BECHTOLD, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented new and useful Improvements in Hairpins, of which the following is a full, clear, and exact specification.

My invention relates to hair pins and refers particularly to devices of that character having the property of satisfactory retention when introduced between the hair strands.

Considerable difficulty is experienced in producing a hair pin which will be both easy of introduction into the hair mass and which, at the same time, will maintain itself from accidental disengagement.

In order that a pin of this character may be readily introduced, it must be smooth and free from catches, and these are the characteristics which make it difficult to prevent accidental dislodgment.

Furthermore, the pin must be so constructed that it can be readily removed when desired, in order that the hair strands may not be broken.

The device of my invention possesses all of these desirable properties and further is easy and economical of manufacture.

In a general way, my device comprises a back with a plurality of superimposed legs, between which, and carried by the back is an extended retaining member, the device being preferably constructed of a resilient material, as celluloid, spring metal, &c., and the size, shape and arrangement of the elements being such that the resiliency of the material will allow of the introduction and removal of the device while also acting to maintain the device in its desired introduced position.

In the accompanying drawings, illustrating modifications of the device of my invention, similar parts are designated by similar numerals.

Figure 1 is a perspective view of one form of a device of my invention.

Figure 2 is a cross-section through the line 2—2 of Figure 1.

Figure 3 is a cross-section through the line 3—3 of Figure 2.

Figure 4 is a perspective view of a modified form of a device of my invention.

The particular form of the device of my invention, shown in Figures 1, 2 and 3 of the accompanying drawing, comprises a slightly curved resilient back 10, which is extended upwardly at 11 and backwardly upon itself into the two legs 12, 12, the radius of the arc of the back 10 being greater than the radius of the curve of the legs 12, 12, the legs practically touching the back at their mid-way portions.

The back 10 carries the upwardly extended undulated retaining members 13, which is positioned between the legs 12, 12, the crest 14, 14 of the undulations extending beyond the legs 12, 12.

While I prefer the construction described above, there are other forms of the device of my invention which have effective practical application and the modification of my device, shown in Figure 4, is similar to the construction described above except that the undulated retaining member 13 is replaced by an upwardly extended segmental arc member 15.

It is also evident that the device need not be curved as shown, but may be flat, and that the legs may be completely spaced from the back, or may abut thereon throughout the greater portion of, or throughout, their entire length.

It is further evident that the retaining member may be of a formation other than those shown and described.

In its application, the device of my invention is introduced between the hair fibers in the usual manner, each hair passing between one leg 12 and the back 10, thence upwardly over the retaining member 13 or 15, and thence downwardly and outwardly between the other leg 12 and the back 10.

The pin and the hair are thus maintained in abutment with each other without danger of accidental disengagement.

The resiliency of the device which enhances its retaining properties also allows of the easy introduction of the device between the hair strands and its easy removal therefrom.

I do not limit myself to the particular size, shape, number or arrangement of parts, as shown and described, all of which are given simply as an example for the clear explanation of the device of my invention.

What I claim is:—

1. In a hair pin, in combination, a back,

a plurality of superimposed legs and a retaining member carried by the back and extending between the legs.

2. In a hair pin, in combination, a back, a plurality of superimposed legs and a retaining member carried by the back and extending between and beyond the legs.

3. In a hair pin, in combination, a back, a plurality of superimposed legs and an undulated retaining member carried by the back and extending between the legs.

4. In a resilient hair pin, in combination, a back member bended backwardly over itself and extended into a plurality of legs and a retaining member carried by the back and extending between and beyond the legs.

5. In a resilient hair pin, in combination, a back member bended backwardly over itself and extended into a plurality of legs and an undulated retaining member carried by the back and extending between and beyond the legs.

6. In a resilient hair pin, in combination, a curved back member bended backwardly over itself and extended into a plurality of curved legs and a retaining member carried by the back and extending between and beyond the legs.

7. In a resilient hair pin, in combination, a curved back member bended backwardly over itself and extended into a plurality of curved legs, the radius of the arc of the back being greater than the radius of the arc of the leg curves and a retaining member carried by the back and extending between and beyond the legs.

8. In a resilient hair pin, in combination, a curved back member bended backwardly over itself and extended into a plurality of curved legs, the radius of the arc of the back being greater than the radius of the arc of the leg curves and an undulated retaining member carried by the back and extending between and beyond the legs.

Signed at Newark, in the county of Essex and State of New Jersey, this 24 day of May, 1922.

WILLIAM S. BECHTOLD.