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G. W. SMITH ET AL

HAIRPIN

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Fig. 1.

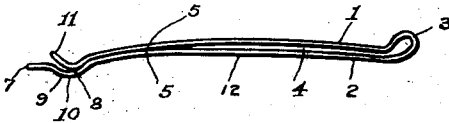


Fig. 4.

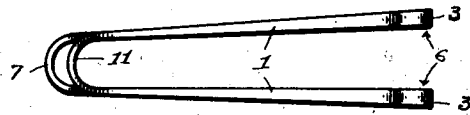


Fig. 2.

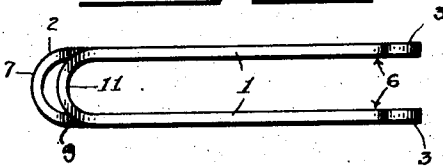


Fig. 5.

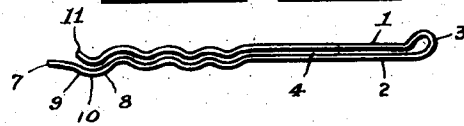


Fig. 7.

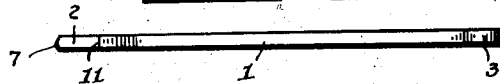


Fig. 3.

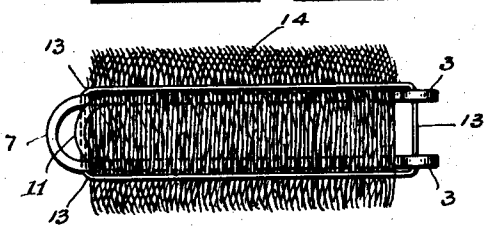
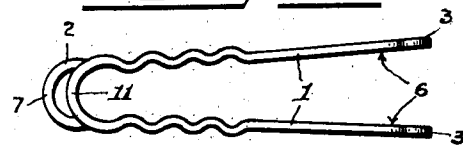


Fig. 6.



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HAIRPIN.

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This invention relates to safety hair pins, and particularly to hair pins formed so that the points thereof will not injure the skin of the wearer.

5 The objects of the invention are to provide a hair pin with folded parallel leg members held normally close together at one end by a loop or eye hinge of the resilient material from which the pin is made, at the opposite
10 end, and one of the leg members slightly shorter than the other and flared away from it to facilitate the ready insertion of the hair between, and the longer leg member provided with a "hump" or bend nearly opposite
15 the flared end of the shorter one, the hump being curved to rest against the head of the wearer and hold away the tip end thereof, the latter being used for gathering up the hair between the members.

20 A further object is to provide a hair pin with folded leg members made from an endless strip of suitable resilient material without any sharp or abrupt points, and each member being composed of a pair of legs
25 folded substantially parallel in shape of an elongated U, and held normally touching together near their closed sections by the loops or eyes provided by the folded corners so that the hair pins will be held securely in
30 position on the head by the compression of the hair between folded members.

A still further object is to provide a combination of the safety hair pin with an elastic band inserted between the folded leg
35 members and retained by the eye loops for holding the pins in position when hair is rolled about the pin for crimping and curling.

40 With these and other objects hereinafter set out, we have illustrated our invention by the accompanying drawings, in which;

Figure 1 represents a side elevation of our hair pin in preferred form;

45 Figure 2 represents a top plan of our preferred form, and Figure 3 represents the same form in combination with a rubber band held in the eye loops of the pin.

50 Figure 4 represents a modified form of pin with the hinged or connected ends of the members widened both in material and in space between;

55 Figure 5 represents a modified form of pin with perpendicular sinuous lines, and Figure 6 represents a modified form, with horizontal sinuous lines; and Figure 1 repre-

sents a top plan of a modified form of pin with single legs provided with the safety hump shown in Figure 1.

Like numerals on the different figures represent like parts. 1 shows the upper
60 members and 2 the lower members with an eye loop or hinge 3 whereby the two upper and two lower members are held normally compressed toward each other, but separated by a slight space 4 except beyond a
65 point near their extended ends as at 5. The pins are preferably made from some resilient material which may be either flat or other form, but all from one piece of material either by being stamped from sheet
70 metal or of wire with both ends welded together, as this formation leaves no sharp or abrupt points which often prove injurious on ordinary hair pins. As shown by the
75 drawings, the two upper members are folded parallel with two lower, and both separated at 6 or at the hinge end of the pin, but in use or operation the pins are inserted in the hair from the horizontally closed ends, so
80 that the desired amount of hair may be held between the two upper and lower members by the tension of the spring hinge or eye 3.

In order to provide for easily inserting the pin close to the scalp and at the same
85 time to hold the inserting end 7 normally off from the scalp or face when the pin is in place, we provide a plurality of bends near the tip 7 of the lower member 2, shown as a downward bend 8 and an upward bend 9, then an outward horizontal tip 7, thus leaving
90 a curved edge or hump 10 to rest against the face or scalp of the user. The closed tip 11, of the upper member 1, is also bent upward, then curved down and back to conform with the upper surface adjoining of
95 the lower member 2, and this upturned tip 11, aids in the insertion of hair between the upper 1 and lower members 2. The closed tip 7 of lower members extends outward and beyond the extremity of the closed end 11 of
100 the upper members, and so provides a means for picking up the hair from against the face or scalp easily. And in order to make the pin still more comfortable for use of the
105 wearer, we preferably construct the members 1 and 2 in a long curved line or arc 12 upward in the center as shown in Figure 1.

110 In using the pin in combination for curling or crimping the hair, an elastic band 13

is inserted through the eyes 3 and between the members 1 and 2, and the pin then inserted into the hair with the desired amount shown as 14 between the members, and the
 5 pin and enclosed hair rolled in the ordinary manner and the band then stretched over the top of the hair and slipped beneath the extended tip 7 of the members 2 as shown in Figure 3.

10 In cases where the hair of the user is very thin, and hair pins are likely to fall from desired positions easily, it is sometimes desirable to use a pin shaped as shown in Figure 4, with the shanks of the members 1 and
 15 2 nearest the eye loop made heavier than the remainder of the members, to provide greater tension pressure upon the hair, also to provide the spacing 6 greater than toward the enclosed ends of the members as shown
 20 in Figures 4 and 6, thus the tapering lines of the members 1 and 2 provide a leverage for upholding closed ends 7 and 11 of the members from sliding down over the hair, as the greater tension from the spring hinge
 25 is exerted nearest the hinges or loops, and the extending closed ends tend to slide downward but the wider spaced ends at the loops act as a brace upward from the lower eye loop when on one side of the head.

30 Sinuous lines may also be given to the corresponding members, either horizontally or perpendicularly, as shown in Figures 5 and 6, which also aid in holding the pins in position.

35 The specially formed and positioned bends 8, 9, and 10, and tips 7 may be adapted to pins formed with only two single parallel legs as seen in Figure 7 so as to provide for the ready placing of the pins in the
 40 hair, and for preventing the tips 7 from impinging against the skin of the user, and we reserve the right to make various other modifications in the construction of our pins,
 45 without departing from the spirit of our invention.

Having described our invention, we claim:

1. A hair pin with parallel leg members one over the other, and connected and held near together by a resilient eye loop at one end, and the opposite ends of the legs of different lengths, the upper leg shorter than the lower and bent upward at an angle to form a guide for the insertion of hair between the ends, the tip end of the lower leg extending outward on substantially the same plane as the shanks of the legs, with a bend downward in the lower leg to form a hump beneath the same near the tip thereof, to hold the said tip normally away from the skin of the wearer of the pin.

2. A hair pin formed with two pairs of parallel leg members one pair over the other, and formed of one endless strip of material, the upper members folded over the lower members and normally held close thereto by a resilient eye formed by the loop of the fold, the extended closed section of the lower legs being longer than the closed extended section of the upper legs, with a downward hump in the lower legs near the outward extremity thereof to hold the extended tip away from the head of the wearer, and the extremity of the upper leg flared away from the lower leg to facilitate the spreading of the legs when the pin is applied over the hair.

3. In combination, a hair pin with parallel leg members folded one over the other and normally held close together by a resilient eye loop of the fold at one end, the opposite end of the lower leg extending beyond the upper one, with a hump extending beneath the lower leg near the outer tip thereof, with an elastic band threaded through the eye loop.

In testimony whereof we affix our signatures.

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