March 8, 1949. F. L. FAIN 2,463,606

HAIR CURLER

Filed March 8, 1946

Fig. 1

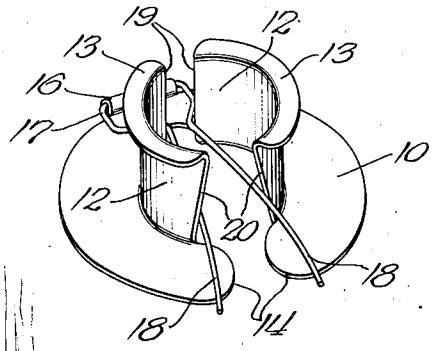


Fig. 2

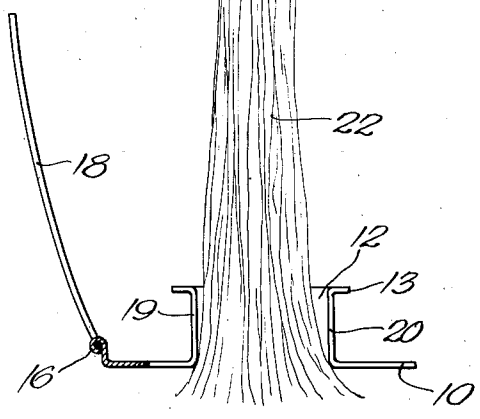


Fig. 4

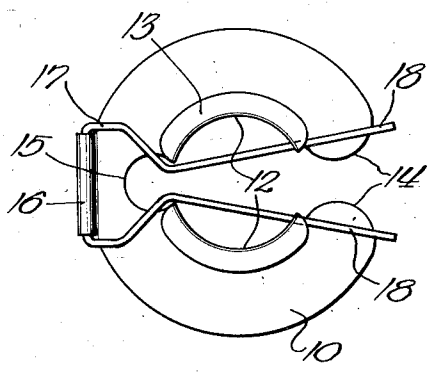
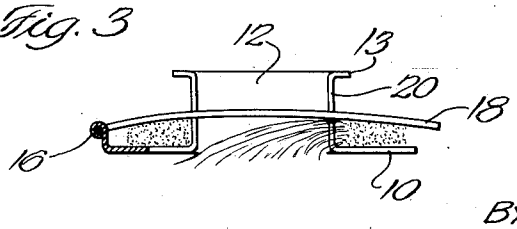


Fig. 3



INVENTOR
Fredal L. Fain

BY C. B. Birkenbeuel.

ATTORNEY

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HAIR CURLER

Freda L. Fain, Portland, Oreg.

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5 Claims. (Cl. 132—40)

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This invention relates generally to the hairdressing art and particularly a device for producing what is known as pin curls.

The main object of this invention is to produce a device for easily and quickly forming what is known as pin curls without requiring much time or effort.

The second object is to produce a device of the class described, in a manner that it will be low in cost, light in weight, non-injurious to the hair and capable of being operated successfully by an unskilled person.

I accomplish these and other objects in the manner set forth in the following specification, as illustrated in the accompanying drawing in which:

Fig. 1 is a perspective view of the complete device.

Fig. 2 is a vertical section of the device showing the hair preparatory to curling.

Fig. 3 is a view similar to Fig. 2 but showing the hair wound upon said device and being held in a curling position.

Fig. 4 is a plan of the device.

Similar numbers of reference refer to the same or similar parts throughout the several views.

Referring in detail to the drawing, there is shown a somewhat circular base 10, having flanged portions 12, each of which is provided with an outward flange 13.

The base 10, is cut through to form a gateway between the ends 14, while the opposite side of the opening 11, has a circular cutout 15. The base 10, is provided with a hinge 16, to which are attached the spring wire arms 17, whose straight ends 18, diverge toward the opposite side of the base 10.

The flanged portions 12, are provided with spaced edges 19, which are substantially parallel and the opposite sides of the flanged portions 12, are provided with the inclined edges 20. The members 18, pass freely between the edges 19, and engage the edges 20, as shown in Fig. 1.

It will be noted that the base 10, has its separated ends, extending below the bottom of the outermost ends of the members 18.

The operation of the device is as follows:

Assuming that it is desired to make a pin curl, the operator merely takes a wisp of hair 22, and passes it through the opening between the ends 14, as shown in Fig. 2, and then winds the hair around the outer side of the flanged portions 12, causing the hair to bridge the gap between the ends 14. The members 18, will now be brought downward toward the position shown in Fig. 3

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in which the inclined edges 20 cause the members 18 to be urged downwardly so as to compress the hair beneath same, thereby producing the desired curl effect.

For the purpose of illustrating this invention, the height of the flanged portions 12, has been exaggerated considerably as being intended to show the inclined edges 19, and their resulting action upon the members 18.

By reducing the height of the flanged portions 12, it is apparent that these curlers can be worn without inconvenience or discomfort and, at the same time, they will function in the manner described.

I am aware that numerous forms of hair curlers have been constructed in the past and I therefore do not claim such devices broadly but I do intend to cover all such forms and modifications thereof as fall fairly within the appended claims.

I claim:

1. A hair curler consisting of a circular disk having an opening in the center thereof and having a slot formed in the perifery of said disk, communicating with said opening, flanged extensions formed around said opening and a spring arm hinged to said disk on one side of said flanged extensions and latched on the opposite side of the flanged extensions in the plane of said base opening.

2. A pin curler of the class described, consisting of a somewhat circular base having a circular opening formed therein, said circular opening having a slotted flange formed around the sides thereof, said opening having a slot through said flange through one side of said base and a spring arm hinged at one side of said base, occupying the flange slot on opposite sides of the slot in said base.

3. A pin curler of the class described, consisting of a circular base having a concentric opening and having a slot formed through one side of said base, and communicating with said opening a pair of curved flanges extending from each side of said opening, forming a spool for hair and said flanges being spaced from each other and a pair of spring arms hinged to said base and adapted to move through said flange spacing and bear against the top of said base, outside of said slot opening.

4. The pin curler as described in claim 3, characterized by having one pair of edges of said flanges, sloping in a manner to urge said spring arms toward said base.

5. The pin curler of the class described, con-

sisting of a spool having flanges at opposite ends thereof and said spool having a slot formed therethrough, extending through both sides of one flange and one side of the second flange which constitutes a base for the curler, a spring arm hinged to said base opposite its slot and adapted to swing with respect to said base, the slot through the spool being inclined to provide the maximum amount of width nearest the base for the purpose of urging said spring arms toward said base.

FREDA L. FAIN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
2,173,872	Barnes	Sept. 26, 1939