G. D. RICHARDS.

HAIR CURLER.

APPLICATION FILED MAY 1, 1917.

1,236,871.

Patented Aug. 14, 1917.

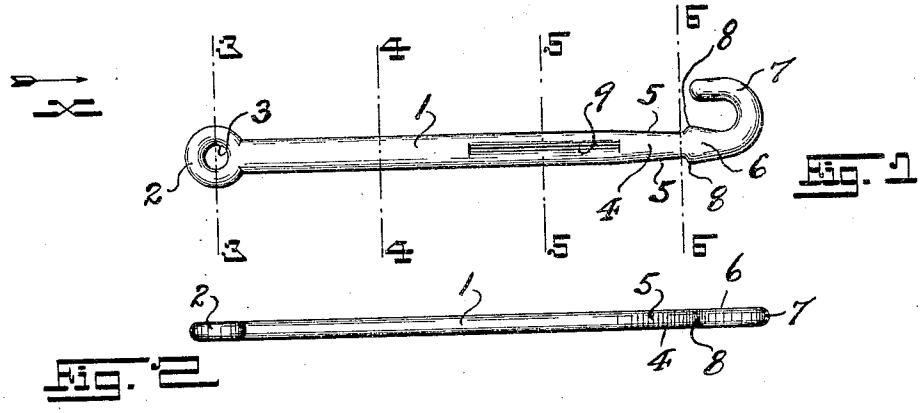


Fig. 1

Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

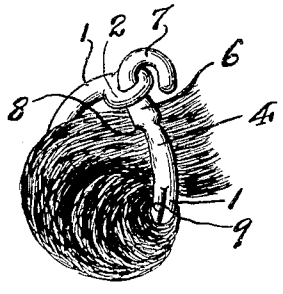


Fig. 7

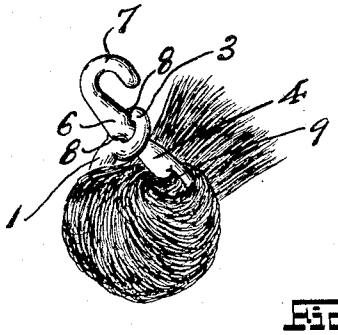


Fig. 8

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HAIR-CURLER.

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To all whom it may concern:

Be it known that I, GEORGE D. RICHARDS, a citizen of the United States, residing at Chatham, in the county of Morris and State of New Jersey, have invented certain new and useful Improvements in Hair-Curlers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to characters of reference marked thereon, which form a part of this specification.

The present invention has reference, generally, to hair-curlers and wavers; and the invention relates, more particularly, to an improved construction of soft flexible hair-curlers and wavers made of rubber or similar material.

The present invention has for its principal object to provide a soft rubber hair-curler and waver having novel and simply and easily operated means for fastening the same in the hair in operative relation to the latter, so that in putting on and taking off the curler the wearer can manipulate the same with a minimum of effort, and yet the novel fastening means is of such a construction that the hair curler and waver is firmly held or secured thereby in operative relation to the hair, without danger of becoming undone or accidentally released from said operative relation to the hair.

Other objects of the present invention, not at this time more particularly enumerated, will be clearly understood from the following specification.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a face view of the novel hair curler and waver provided with the fastening means made according to and embodying the principles of the present invention; Fig. 2 is an edge view of the same; Fig. 3 is a cross section thereof taken on line 3—3 in said Fig. 1; Fig. 4 is another cross section taken on line 4—4 in said Fig. 1; Fig. 5 is another cross section taken on line 5—5 in said Fig. 1; and Fig. 6 is still another cross section taken on line 6—6 in said Fig. 1; all of said cross sections being viewed in the direction of the arrow *x*.

Fig. 7 is a perspective view of the novel hair curler or waver operatively associated with the hair, the same showing one method of using the fastening means; and Fig. 8 is a similar perspective view showing another method of using the fastening means.

Similar characters of reference are employed in all of the hereinabove described views, to indicate corresponding parts.

Referring now to the said drawings, the reference character 1 indicates the main body of the hair curler and waver, the same comprising a longitudinally extending body portion, preferably flattened on its upper and lower sides, and the same is preferably made of soft rubber, or any other similar material having substantially the same qualities of softness and flexibility. Connected integrally with one end of said main body 1 is an eye-member 2 having a centrally disposed eye or opening 3. The opposite end of said body is provided with a tapered-portion 4, having inwardly converging sides 5. The outer end of said tapered portion 4 terminates in the butt-portion 6 of a hook-member 7, the same being slightly enlarged laterally at the point of its juncture with said tapered-portion 4 to provide oppositely and laterally extending shoulders 8 at the sides of the outer end of said tapered-portion 4. Said hook-portion 7 is formed and disposed to lie in the horizontal plane of the face of said main body 1 and its eye-member 2.

The body 1 of the hair curler or waver may be provided with the usual slit 9, in which the ends of the hair are inserted preparatory to rolling the hair upon the body of the curler or waver.

Heretofore in constructing curlers and wavers of the general type to which this invention pertains the fastening means has comprised an eye or loop member at one end and a knob or button at the opposite end which it was required to force through the eye or loop. Inasmuch as the user had to operate the device close to the head where it could not be seen, great difficulty was experienced in manipulating the knob or button. The knob or button had to be larger than the opening of the eye or loop, consequently it was difficult to force the same through the eye or loop, in fastening or unfastening the curler, particularly where the article was made of rubber, since the friction or resistance offered by the contacting rubber surfaces was exceedingly great. Since the button or knob was very small it offered little finger hold, and hence, further

added to the difficulties of operating the fastening means. It is the object of this invention to provide a novel fastening means which is easily and quickly operated, and which eliminates the difficulties of manipulation above referred to.

In using the hair curler and waver provided with the novel fastening means above described, the hair is rolled up on the body 1, and then the ends of the curler and waver are brought together over the roll of hair, and the hook-member 7 is hooked into the eye or opening 3 of the eye-member 2, as shown, more particularly in Fig. 7 of the drawings. Since the hook-member 7 lies in the same horizontal plane as the body 1 and eye-member 2, it follows that in bringing the hook-member at right angles to the eye for insertion therethrough, a slight torsional strain or twist is imparted to the body 1, which, because of the elasticity of said main body 1, tends to draw the hook-member back to its normal horizontal plane, thereby tending to maintain the hook-member flatly against the head, and more firmly held against accidental displacement from the eye.

In using the device to produce tight curls, the hair may be inserted in the slit 9, and then rolled up on the body 1. Then the hook-portion 7 is inserted through the eye-member 2, grasped by the fingers and pulled to draw the butt-portion 6 through the eye until the shoulders 8 are passed. This tends to tightly compress the rolled up mass of hair for the purpose mentioned. The appearance of the device when so used is illustrated in Fig. 8 of the drawings.

The curler or waver being preferably made of soft rubber is consequently of a character little liable to tear the hair, or injure the scalp of the wearer when lying down.

I claim:—

1. In a device of the kind described an integrally formed flexible body having an eye-member at one end and a hook-member at its opposite end, said hook-member being disposed in lateral extension in the plane of the body and its eye-member.

2. In a device of the kind described an integrally formed flexible body having an eye-member at one end and a hook-member at its opposite end, said hook-member being disposed in lateral extension in the plane of the body and its eye-member, the butt of said hook-member where it joins said body having laterally projecting enlargements providing oppositely extending shoulders.

In testimony, that I claim the invention set forth above I have hereunto set my hand this 28th day of April, 1917.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."