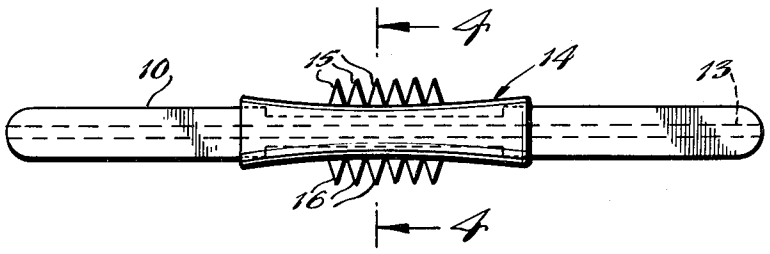
June 19, 1951 S. FRISHBERG 2,557,060

HAIR CURLER

Filed March 12, 1949

Fig. 1.



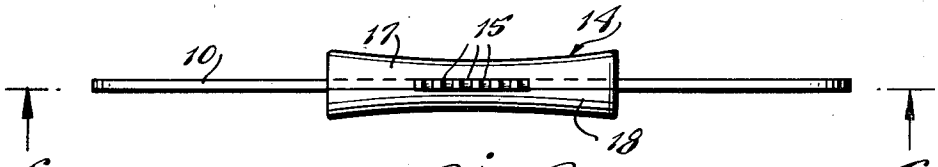


Fig. 2.

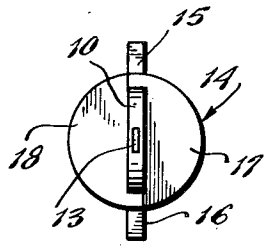


Fig. 3

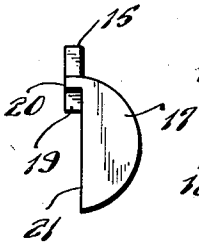


Fig. 5.

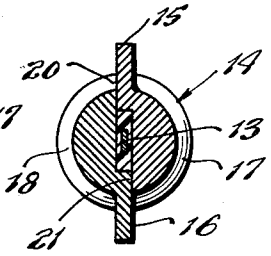


Fig. 4.

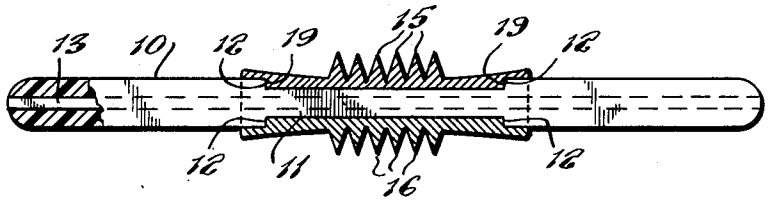


Fig. 6.

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Patented June 19, 1951 2,557,060

UNITED STATES PATENT OFFICE

2,557,060

HAIR CURLER

Samuel Frishberg, New York, N. Y., assignor to Delamere Company, Inc., Jersey City, N. J., a corporation of Delaware

Application March 12, 1949, Serial No. 81,204

1 Claim. (Cl. 132—43)

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This invention relates to a hair curler of the mandrel or winding form type intended to be worn temporarily in the hair to form a curl.

One object of the invention is to provide a hair curler of that type having hair-engaging teeth that operates effectually to wind the hair in a curl.

Another object is to provide a curler of novel construction, that is simple and inexpensive to manufacture.

A further object is to provide a curler having a toothed cylinder about which the hair is wound, which cylinder is formed of two identical molded plastic parts.

Other objects and advantages of the invention will appear from the following description thereof, reference being had to the accompanying drawings, in which:

Fig. 1 is a front elevation of the hair curler;

Fig. 2 is a top plan view;

Fig. 3 is an end view;

Fig. 4 is a cross-section on line 4—4 of Fig. 1;

Fig. 5 is an end view of one of the two identical composite parts of the mandrel; and

Fig. 6 is a longitudinal section on line 6—6 of Fig. 2.

The device comprises a longitudinal flexible member 10 of greater width than thickness having its middle portion 11 reduced in width, as best seen in Fig. 6, thus forming shoulders 12 at the four corners of the reduced portion. A pliable metal strip or wire 13 extends lengthwise through the member 10, which member may be made of flexible plastic material, rubber, or other suitable substance.

Surrounding the central portion 11 of, and mounted on, the member 10 is a mandrel 14 about which the hair to be curled is wound. The mandrel has integral teeth 15 and 16 on opposite parts of its surface, which surface may be, and preferably is, incurved or concave as shown in the drawings.

According to the present invention the mandrel is formed of two identical composite parts or sections 17 and 18 suitably joined together, with one of said parts turned upside down and reversed with respect to the other. The two parts may be joined together with cement, or otherwise. A view of one of the composite parts is shown in Fig. 5, while views of the two parts joined together are shown in Figs. 3 and 4. It will be seen that one part has the teeth 15 formed integral therewith, while the other part has the teeth 16.

Interior shoulders 19 are formed at each end of the parts 17 and 18, and each of said parts is formed with an outer flat face 20 and an offset flat face 21 that is spaced inwardly from the face 20 a distance equal to the thickness of the member 10.

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In assembled relation of the parts, the face 20 of one lies against the face 21 of the other, and vice versa, so as to form between them a passage or chamber in which the reduced portion of member 10 fits, as seen in Fig. 4. The interior shoulders 19 of the two parts abut the shoulders 12 of member 10, as shown in Fig. 6, so as to prevent any endwise movement of the mandrel 14 on the member 10.

The parts 17 and 18 are preferably made of suitable plastic material by injection molding. Since the two parts are identical they may be made with a single mold, thus simplifying and reducing the cost of manufacture. I prefer to mold the parts of polyvinyl or other like material that results in a relatively soft and flexible product which is comfortable to wear while sleeping.

It will be noted that the ends of member 10 extend outwardly beyond the ends of the mandrel 14. In use, after the hair has been wound on the mandrel, the free ends of member 10 are bent over to hold the device in place and prevent the hair from unwinding.

It is to be understood that modifications in the details of construction herein illustrated and described may be made within the scope of the invention as defined in the claim.

What I claim is:

A hair curler comprising an elongated relatively flat pliable member, and a mandrel consisting of two similar sections of molded plastic secured together and mounted on said pliable member intermediate its ends, each of said sections having teeth along its outer surface and having its inner surface formed of two faces that are offset from each other a distance substantially equal to the thickness of the pliable member, the two sections being secured together face to face with one of said sections upside down and reversed with respect to the other, said pliable member passing between the opposed faces of said sections with the ends of the pliable member projecting outwardly beyond the ends of the mandrel, and means for preventing endwise movement of the mandrel on the pliable member.

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