

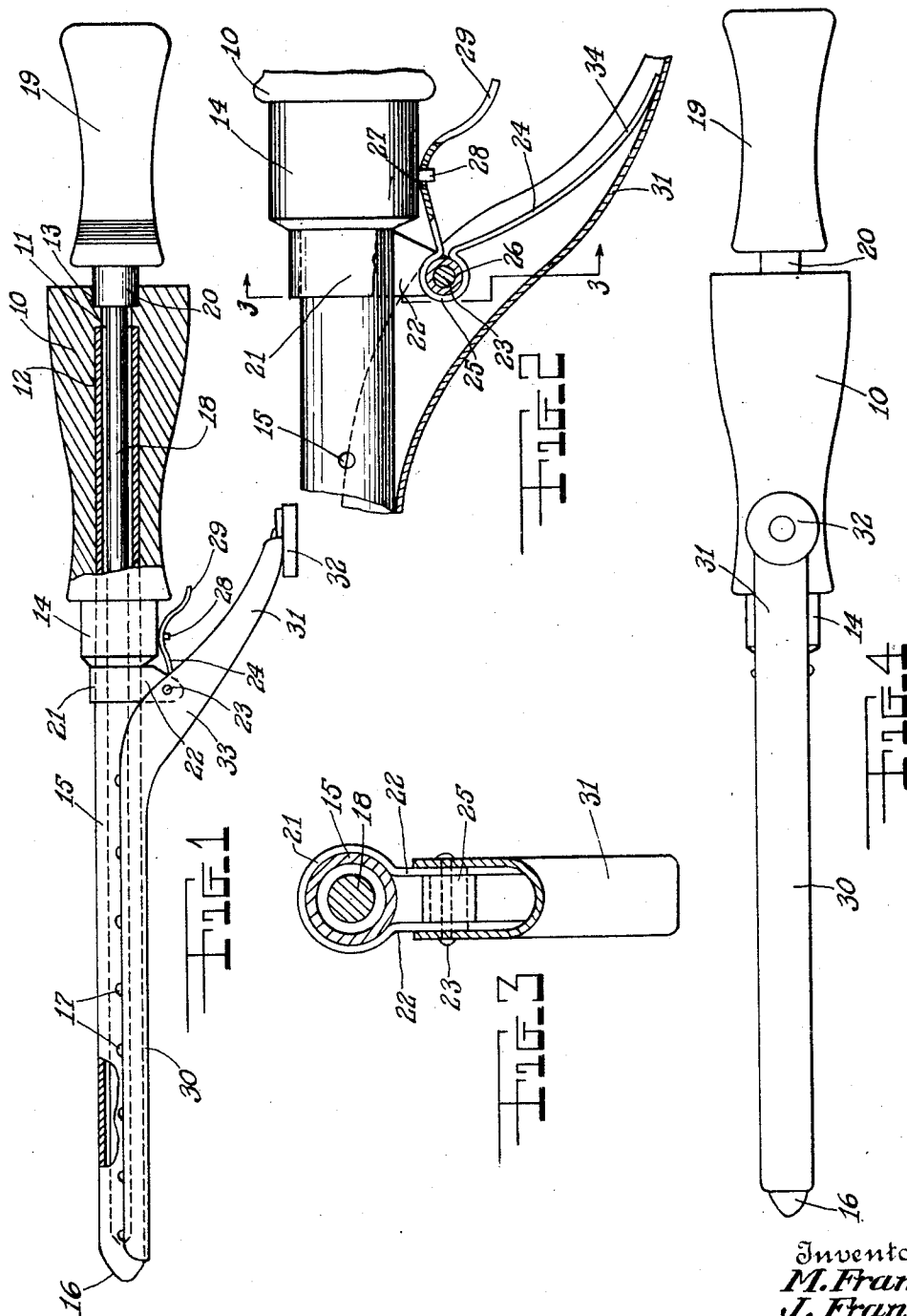
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MARCELLING DEVICE

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MARCELLING DEVICE

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The main object of this invention is the provision of a novel hair curling iron of such construction and so used that a better and more lasting curling of the hair is effected than is possible with the ordinary curling iron.

Another object of the invention is the provision of a hair curling iron with novel means whereby singeing or burning of the hair is prevented and is actually impossible.

Still another object of the invention is the provision of such an iron with means whereby hot steam issues from the iron about the curl of hair rolled thereabout, so that the curl is thereby given a great degree of permanence.

Yet another object of the invention is the provision of means for readily and simply disassembling the iron so that it may be provided with interchangeable members to adapt it for use under varying conditions.

The above and other objects will become apparent in the description below, in which like-named parts are referred to on the drawing by like-named characters of reference.

Referring briefly to the drawing, Figure 1 is a side view of the complete iron, partly in section.

Figure 2 is an enlarged fragmentary view of the handle end of the iron, partly in section.

Figure 3 is a sectional view taken on line 3—3 of Figure 2.

Figure 4 is a bottom plan view of Figure 1.

Referring in detail to the drawing, the numeral 10 represents a hollow handle having an axial channel, cylindrical in cross-section, passing therethrough. The handle is preferably made of a non-inflammable, heat resisting material. Lining the channel 11 is a metallic sleeve 12, and the channel at its outer end is widened into a mouth 13.

From the forward end of the handle 10, a reduced tip 14 extends, and integral with said tip is a relatively long hollow iron 15, the channel 11 in the handle extending through both the tip 14 and the iron 15, the latter being closed at its outer end 16 to form a rounded, tapering tip. A plurality of spaced-apart holes 17 is formed through the wall of the

iron 15, giving access from the air to the channel in the iron.

A heating pin 18, adapted to lie in the channel 11 as shown in Figure 1, is provided at one end with a handle 19 from which the pin 18 projects, through an enlarged boss 20 surrounding the pin at the point where the handle 19 and pin 18 meet. This boss 20 is formed to fit snugly into the enlarged end 13 of the channel 11.

Surrounding the iron 15 at the end adjacent the tip 14, and slidable thereon, is a band 21, substantially U-shaped to provide parallel ears 22. A pin 23 is supported by these ears, and a roller 26 is rotatably mounted on this pin or shaft 23. A flat-surfaced spring 24, whose central portion is looped about the roller 26, as shown at 25, has a slot 27 near one end. A projection 28, integral with the surface of the tip 14, passes through this slot and acts as a guide for the spring, as well as a means for retaining that end of the spring in position. The tip of this end of the spring is bent away from the handle 10, as shown at 29, to provide a grip for the spring for the purpose about to be described.

The usual arcuate jaw, associated with the iron 15 to clamp the lock of hair to the iron, is shown at 30, with its raised portion 31 having a button 32 mounted thereon. This jaw is also rotatably mounted at 33 on the shaft 23. The end 34 of the spring 24 rests against the inner surface of the raised end 31 of the jaw 30, and tends to urge the jaw 30 against the iron 15. The operation of the jaw in the process of hair curling is identical with the method in common use.

The operation and use of this hair curling iron is as follows. The pin 18 is placed over a suitable fire, such as a gas burner, and allowed to heat to a cherry-heat. Before it is removed from the fire, the iron 15 is dipped into a vessel containing water, and removed. The water which has entered the channel 11 through the holes 17 is allowed to run out again through these holes, but a small amount will remain in and around each hole. The iron is then applied to the hair, the hair being curled about it in the usual manner, and the jaw 30 then allowed to clamp the hair to the

iron. It is to be noted that the iron during this time remains cold. The pin 18 is then withdrawn from the fire and inserted into the channel 11 through the enlarged opening 13, and is pushed in until the boss 20 rests snugly in the opening 13, securely holding the pin 18 in place in the channel 11. Because of the high degree of heat of the pin 18, the iron 15 will very quickly become hot, and at the same time the droplets of water about the holes 17 will be converted to steam, which will issue against and through the hair curled about the iron, thus insuring a greater degree of permanence to the curl. It is to be noted that with this device, the lock of hair may be leisurely curled about the iron instead of hurriedly, as is usually necessary in order to have the curl completed before the iron cools. Furthermore, with the ordinary iron it is impossible to use a high degree of heat because of the danger of singeing or burning the hair, which is in fact a common experience.

It is, or may be, necessary at times to use an iron of different size, or with different-sized holes 17, and this device has therefore been constructed to enable ready removal of the jaw 30, band 21, and connected parts from the iron. This is accomplished as follows: As before-mentioned, the band 21 is slidably mounted on the iron 15, and may be slid off the free end of the iron 15 by simply lifting the end 29 of the spring 24 until the slot 27 is free of the projection 28. In reassembling the device, the band 21 is shoved back against the tip 14, the end of the spring containing the slot at the same time riding over the projection 28 until the slot engages the projection, whereupon the spring will move against the handle tip 14.

It is to be noted that changes in form and construction may be made without departing from the spirit of the invention; for instance, the enlarged entrance 13 to the channel 11 may be made conically tapering, to act as a guide for the tip of the pin 18 during insertion of the latter into the channel.

We claim:

1. A hair curler comprising a hollow iron having a channel passing therethrough and adapted to be dipped into water before using, a handle secured to said iron and having an axial channel communicating with said first-named channel, and a heating pin insertable when heated into said channels through said handle, said iron having a plurality of holes in the walls thereof for the escape of steam formed upon contact of the heated pin with the moistened interior of the iron.
2. A hair curler comprising a hollow iron having a channel passing therethrough, a plurality of holes in said iron communicating with said channel, a handle secured to said iron and having a channel communicating with said first-named channel, said handle

channel having an enlarged mouth, a heating pin insertable when heated into said channels through said handle, said pin having an enlarged portion fitting into and being retained in said mouth when the pin is inserted into said channels.

3. A hair curler comprising a hollow iron having a channel passing therethrough, a plurality of holes in said iron communicating with said channel, a handle secured to said iron and having a channel communicating with said first-named channel, a heating pin insertable when heated into said channel through said handle, a handle on said pin having an enlarged boss surrounding the pin at its point of contact with the pin handle, said channel in the iron handle having an enlarged mouth, said boss fitting into and being retained in said mouth when the pin is inserted into said channels.

4. A hair curler comprising a hollow iron having a channel passing therethrough, a handle secured to said iron and having an axial channel communicating with said first-named channel, a heating pin insertable when heated into said channels through said handle, said second-named channel having an enlarged cylindrical mouth, said pin having an enlarged cylindrical portion concentric with said pin, said enlarged portion fitting into and being retained in said mouth when the pin is inserted into said channels.

In testimony whereof we affix our signatures,

JOHN FRANK.
MARY FRANK.