HAIR-WAVING MACHINE.

To all whom it may concern:

Be it known that I, JOHN MARTIN HIGGINS, a citizen of the United States, and a resident of Sacramento, county of Sacramento, State of California, have invented a new and useful Hair-Waving Machine, of which the following is a specification.

The present invention relates to improvements in hair waving machines and its particular object is to provide a machine that will enable a person to produce a Marcel wave in a very short time and without the assistance of an attendant. It is proposed by the present invention to render the process of producing a Marcel wave as simple as possible so that any person using my device can marcel her own hair in a few minutes without the exercise of any particular skill. The principal advantages of my device will appear as the specification proceeds.

The preferred form of my invention is illustrated in the accompanying drawing in which Figure 1 shows a front view of my machine, Figure 2 a vertical longitudinal section through my machine and Figure 3 a vertical transverse section through the same. While I have shown only the preferred form of the invention it should be understood that various changes or modifications may be made within the scope of the claims hereto attached without departing from the spirit of the invention.

My device consists principally of two parts, a comb (1) and a heating element (2). The comb comprises a band (3) conforming substantially in its shape to the form of the human head and a plurality of teeth (4) extending rearwardly from the same, the teeth being waved as shown in Figure 2 and curved so as to substantially conform to the shape of the head in a forward and rearward direction. This comb may be introduced into the hair from the front and is adapted to lie against the skin so that substantially all of the hair will be above the comb after the same has been put in its place. It should be understood that while the teeth of the comb naturally form a plurality of parallel channels in the hair, the latter usually is sufficiently thick to form a solid mass above the comb so that the teeth disappear in the hair and would hardly be visible to a person looking at the comb from the top.

The second part employed in my device is the heating element (2). The latter may be of any suitable material and may be heated in any suitable manner, electrical means for heating the same being preferred. The heating element conforms to the outline of the head and of the comb and its lower surface is waved as shown at (6) to register with the waves of the comb. It is preferably hinged to the comb along the side of the head as shown at (7) and when placed into its operative position it presses the hair into the waves formed by the comb, heating the same at the same time so as to curl the hair into waves of more or less permanency.

It should be understood that I do not wish to be limited to the particular construction shown in the drawing and that various changes might be made without departing from the spirit of the invention. Thus for instance the comb might be waved to press transverse waves and the heat element might be shaped accordingly. It might also be feasible to hinge the heating element in front or in the back instead of on the side.

The operation and use of my device will be readily understood from the foregoing description. To use the same it is only necessary to introduce the comb into the hair as close to the skin as possible and to thereafter cover it with the heating element. If left in this position for a short period of time the hair will assume a wave form and hold the same for a certain length of time. The whole operation can be easily performed by a person on her own head in a few minutes without the assistance of an attendant.

I claim:

1. Means for producing a Marcel wave or the like comprising a comb having waved teeth thereon and a heating element having a waved bottom surface registering with the waves of the teeth.

2. Means for producing a Marcel wave or the like comprising a comb having waved teeth thereon conforming substantially to the outlines of the human head and a heating element having a waved bottom surface registering with the waves of the teeth.

3. Means for producing a Marcel wave or the like comprising a comb having waved teeth thereon conforming substantially to the outlines of the human head and a heating element having a waved bottom surface registering with the waves of the teeth hingedly attached to the comb.
4. Means for producing a Marcel wave or the like comprising a comb having waved teeth thereon conforming substantially to the outlines of the human head and a heating element having a waved bottom surface registering with the waves of the teeth, hingedly attached to the comb on one side of the head.

5. Means for producing a Marcel wave or the like comprising a comb consisting of a curved band adapted to transversely lie on the front portion of the head and a plurality of waved teeth extending rearwardly therefrom, said teeth being curved to follow the outline of the head, and a heating element hingedly secured to the comb having a waved bottom surface registering with the waves of the teeth.

JOHN MARTIN HIGGINS.