Dec. 21, 1926. 1,611,580

E. M. CHAMBERLAIN

ELECTRIC MARCEL IRON

Filed May 24, 1926

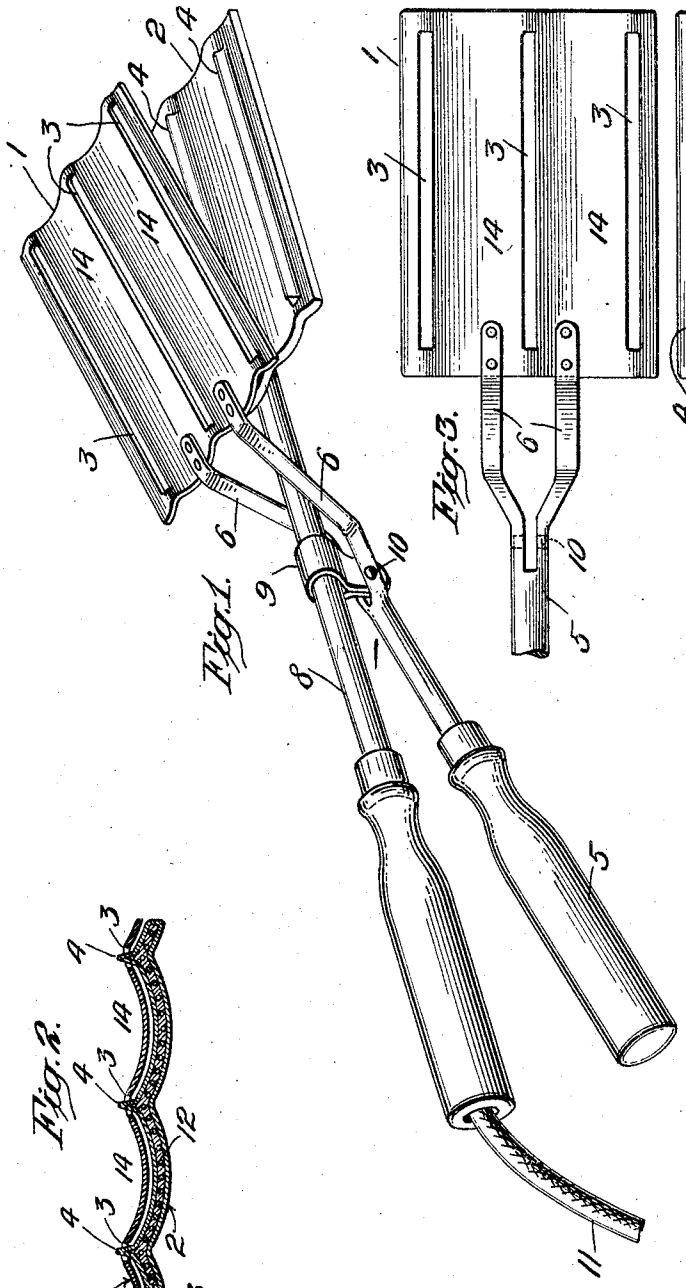

Fig. 1.

Fig. 3.

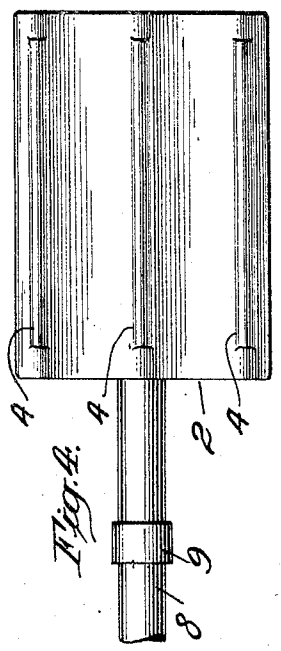

Fig. 4.

Fig. 2.

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Patented Dec. 21, 1926. 1,611,580

UNITED STATES PATENT OFFICE.

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ELECTRIC MARCEL IRON.

Application filed May 24, 1926. Serial No. 111,123.

This present invention relates to a ladies' hair dressing device of the general class known as curling irons or tongs, and of the particular description or division of devices in such class that are denominated marceling irons or instruments for imparting a wavy or crimped effect to the hair, known as the Marcel wave. The object of the present improvements is to provide a simple and inexpensive instrument by the use of which the hair may be caused to be more perfectly and satisfactorily dressed with waves, undulations, or curving parallel crimps, than has heretofore been possible with other hot irons seeking to attain the same result. Other objects among many that might be mentioned will be evident as I describe the construction and operation, and the many obvious advantages of my improvements will be apparent. The invention may therefore be said to consist essentially in the construction, arrangement, and combination of parts, substantially as will be hereinafter more fully described and then particularly pointed out in the ensuing claims.

In the accompanying drawings illustrating my invention:

Figure 1 is a perspective view of my improved marceling or hair waving implement, with the jaws or sections thereof open in the position which they assume when they are ready to receive the hair between them.

Figure 2 is a cross-sectional detail of the jaws or sections when they are closed together to impart the marceling effect to the hair.

Figure 3 is a plan view in detail of one of the jaws or halves of the device laid flat to show the slots therein.

Figure 4 is a similar plan view in detail of the other one of the jaws or halves laid flat to show the parallel ribs or flanges thereon which are adapted at times to take into the aforesaid slots.

Similar characters of reference designate corresponding parts throughout the different figures of the drawing.

The hair dressing implement comprises essentially two jaws or sections adapted to be closed against each other with the hair between them so as to produce thereon the desired wavy or crimping effect and then to be released from each other to disengage the dressed hair. One of these jaws or sections is denoted 1 and the other 2. They are structurally different as I shall point out, and one of them is heated as hot as is desirable. To facilitate their manipulation they are provided with handles, the jaw 1 having the handle 5, and the jaw 2 having the handle 8. These handles are interpivoted into any suitable manner so that they can work easily on each other. One way of pivoting them is to provide a sleeve 9 which is fast on the handle 8 and is so shaped with ears or flanges that embrace the handle 5 that a pivot 10 may pass through said ears and thus movably connect the two handles together. For convenience sake handle 8 is directly connected to the section 2, while handle 5 has forks 6, 6, that embrace handle 8 on opposite sides thereof and are suitably secured to the jaw or section 1. Thus the jaws can be moved towards or away from each other by manipulating the handles, just like shears or tongs.

The jaw or section 1 is of a flat oblong or rectangular shape, while the jaw or section 2 has a corresponding shape. The jaw 1 is provided with a series of parallel slots 3. The slots may be longer or shorter, and may be closed or open at one or both ends. Their exact shape and size may vary within wide limits, and each slot may itself be variable in shape in different parts of its length, so that I reserve the liberty of making as many or as few of these slots as desired, and of any shape and length. The jaw or section 2 is a hollow casing, see Figure 2. It is intended to contain a heating agent, electrical or any other kind. It is formed with a series of raised ribs or ridges 4, of proper size and shape to easily enter the slots 3 when the sections 1 and 2 are brought close together with the hair between them as indicated in Figure 2. These ribs 4 are hollow, being extensions of the interior of the casing of 2, and are themselves made hot by the inner heating agent. The slots engaged by the ribs constitute the leading feature of my invention, because by the use of them the hair can be pressed out through the slots under the action of the hot ribs and a much more perfect and lasting marceling effect imparted thereto than is possible where the hair is merely pressed between two irons.

The heating means for one of the jaws, as 2, may vary widely, but it is found convenient to locate within said jaw and within

the ribs 4 forming part of the same, an ordinary electrical heating unit, as 12, which will fill the hollow part 13 in a convenient and effective manner. The wires belonging thereto are grouped together in an ordinary insulated cord 11 which runs through the handle 8 and may be attached to a plug or other device to be used with a lamp socket, these latter parts not being shown, or any other acceptable method of introducing the electrical current into one of the jaws for the purpose of heating the same may be utilized.

Both the jaws 1 and 2 are preferably shaped with concave curvatures 14 on one side and convex curvatures on the other side, these curves leading from slot to slot or rib to rib as the case may be, and intended to assist in the curving and shaping of the locks of hair; but it will be understood that the configuration of the surfaces of the jaws or sections may vary within wide limits and they may be fluted, scalloped, or raised or indented in a great variety of waves adapted to confer the best effect on the hair.

By manipulating the device over the head and bringing all the parts of the hair successively under the action of the hot iron, it will be found that the raised ridges 4 by pressing the hair through the slots 3 will make a much more lasting and tighter wave than is usual, because the hair will be lifted and pressed through these slots by the hot edges of ribs 4 and kept in place long enough to permit the hair to conform more fully to the pressing effect of the iron thereon.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is:

1. In a device of the class described, a pair of interpivoted sections, one of which is formed with parallel slots, and the other with parallel ribs adapted to enter said slots, the latter being hollow and adapted to be heated.

2. In a device of the class described, a jaw or section having parallel slots, another jaw or section hollow in form and provided with raised ribs adapted to enter said slots, means within the last mentioned jaw for heating the same, and means for movably connecting the jaws together so that they may be manipulated towards and away from each other to exert a marceling or waving effect on the hair introduced between them.

3. In a marceling or waving iron for dressing hair, the combination with a pair of jaws, one of which is slotted and the other of which is ribbed, of a pair of handles for said jaws, means for pivoting the handles together, and means for heating one of the jaws.

4. In a Marcel iron, a pair of jaws, one which is formed with parallel slots and the other with parallel ribs, the ribs being adapted to enter the slots when the jaws are brought together, and the ribbed jaw being formed with a hollow casing, heating means within said casing, and means for supporting the jaws so that they may be moved towards and away from each other and caused to apply their marceling effect on the hair of all parts of the head.

5. In a device of the class described, a section having parallel slots therein and provided with a handle, a second section having a hollow interior and formed of parallel ribs adapted to enter the slot and likewise having a handle, means for pivoting the handles together, heating means within the hollow section, both of said sections being suitably curved or indented between the slots and ribs.

In testimony whereof I hereunto affix my signature.

EDYTHE M. CHAMBERLAIN.