

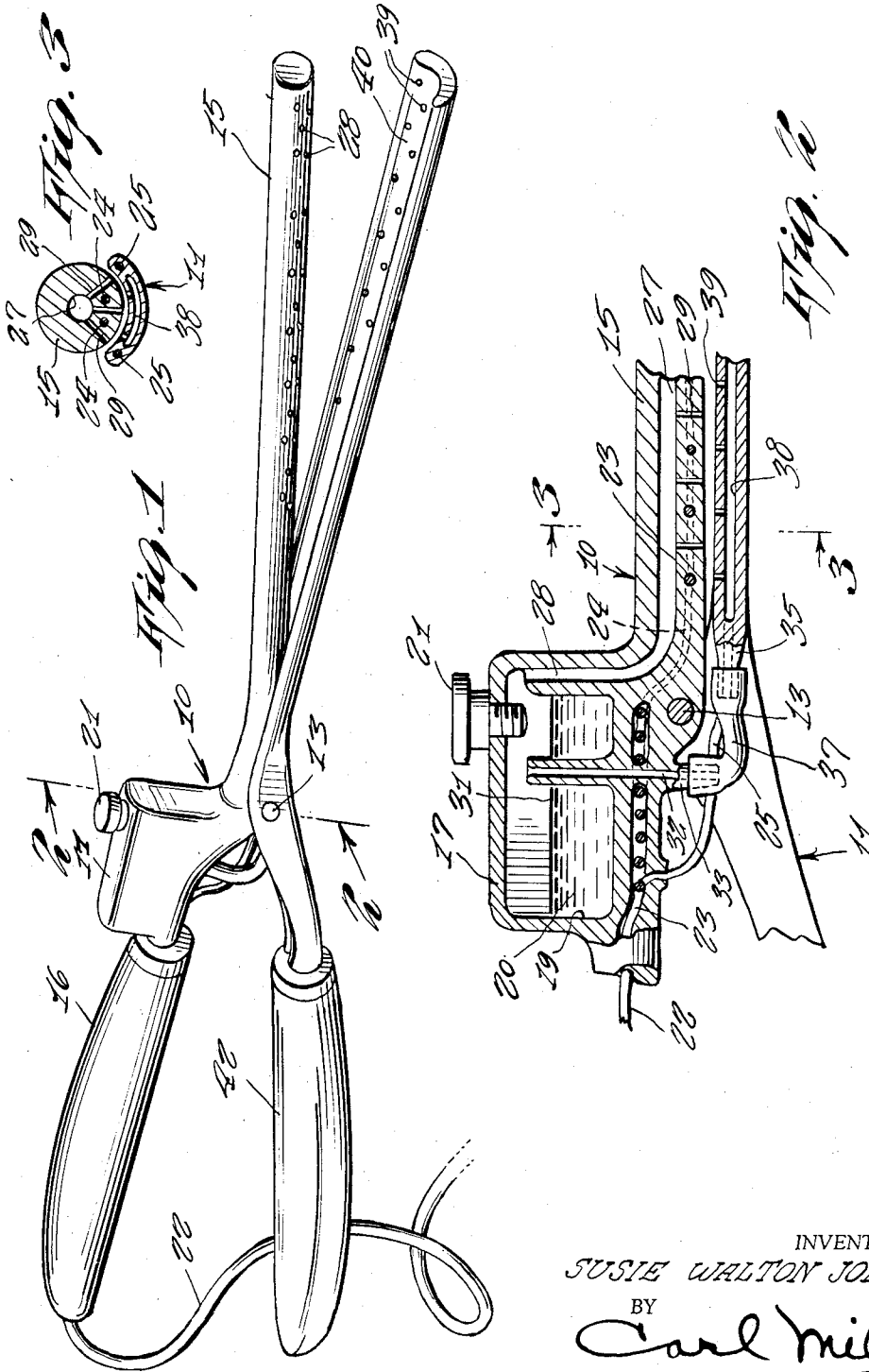
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STEAM CURLER AND WAVING IRON

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1

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STEAM CURLER AND WAVING IRON

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1 Claim. (Cl. 219—24)

This invention relates to hair grooming apparatus and, more particularly, to a self-contained steam generating curler and waving iron for setting hair.

Ordinarily, the use of heat and waving lotion is quite satisfactory for setting hair. However, it has been found that the use of steam together with the application of heat produces even better results. An object of this invention therefore, is to provide a self-contained waving iron and steam generator that is simple in construction, efficient in operation, and which may be conveniently used to produce long-lasting curls and waves.

Another object of this invention is to provide a self-contained heating and steaming iron that may be equally used for professional and home treatment that is completely self-contained and harmless.

All of the foregoing and still further objects and advantages of this invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing, wherein:

Figure 1 is a perspective view of a device made in accordance with the present invention;

Figure 2 is a cross-sectional view taken along line 2—2 of Figure 1; and

Figure 3 is a cross-sectional view taken along line 3—3 of Figure 2.

Referring now to Figure 1 of the drawing, a combination steam curler and waving iron made in accordance with the present invention is shown to include a main body 10 and an auxiliary member 11 hingedly connected together by means of a transversely extending pivot 13. The main body 10 includes a curling iron 15 at one end and a handle 16 at the opposite end, between which a liquid treatment housing 17 is disposed. As is more clearly shown in Figure 2, this housing 17 includes a reservoir compartment 19 for storing a quantity of water 20 that may be inserted therein through an opening at the top that is closed by a filler cap 21.

An electric supply conduit 22 extends through the handle 16 and is provided with a heating coil 23 that is housed immediately beneath the water reservoir 19. One extension 24 of this heating coil extends into branches through the circular curling iron 15 and another extension 25 extends into branches through the arcuate auxiliary member 11. The circular iron 15 is provided with a central longitudinal bore 27 that has a vertical duct 28 at one end in communication with the upper portion of the water reservoir 19 and communicates along

2

its length with a plurality of radially extending bores 29. A boss 31 extends upwardly through the center of the reservoir 19 and includes a vertical duct 32 that extends downwardly and outwardly thereof and through an exterior extension 33. A similar extension 35 extending outwardly from the adjacent portion of the auxiliary member 11 is provided with a bore that communicates with the longitudinal bore 38 of the auxiliary member that is also in communication with a plurality of uniformly distributed holes 39 that extend through the concave upper mating surface thereof. A flexible tube 37 is secured on each of the extensions 33, 35, to provide communication between the interior of the housing 17 and the outlet holes 39 of the auxiliary member 11. A handle 42 on the auxiliary member cooperates with the adjacent handle 16 of the main body to provide for the clamping and release of the steam and heating iron.

In operation, the reservoir is filled with water and the conduit connected to a source of electrical supply, whereupon the main and auxiliary members are heated and the water 20 in the reservoir brought to a boiling point. The steam thus produced is carried through the ducts 28, 32, to the respective members, whereupon it is released under pressure through the holes 28, 39, respectively. It will therefore be recognized that this combination of heat and steam effectively treats the hair that is coiled about the iron 15.

Thus, while this invention has been described with particular reference to the specific form shown in the drawing, it is to be understood that such is not to be construed as imparting limitations upon the invention, which is best defined by the claim appended hereto.

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

35 A combination heating and steam curling iron comprising a main body member having a circular curling iron at one end and a handle at the opposite end with a liquid treatment housing disposed therebetween, an auxiliary member pivotally secured to said main member, said housing including a steam generating reservoir, electrical heat producing means extending through said curling iron and said auxiliary member and into heating engagement with said reservoir, a plurality of uniformly spaced holes extending through said curling iron and said auxiliary member, and ducts communicating with said reservoir and said holes, wherein said curling iron includes a longitudinal bore and radial bores extending toward said curling iron, said auxiliary member having a concave surface immediately adjacent to said curling iron and a longitudinal arcuate bore extending transversely along an arc substantially coextensive with said concave surface, wherein said electrical heat producing means comprises a pair of longitudinal electrical branches extending through said iron adjacent to said auxiliary member, and a pair of longitudinal electrical branches extending through said curling member and opposite lateral extremities of said arcuate bore.

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