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 steam 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 the following specification, taken in connection with the accompanying drawings, 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 and an auxiliary member hingedly connected together by means of a transversely extending pivot. The main body includes a curling iron and a handle at one end and a handle at the opposite end, between which a liquid treatment housing is disposed. As is more clearly shown in Figure 2, this housing includes a reservoir compartment for storing a quantity of water that may be inserted therein through an opening at the top that is closed by a filler cap. An electric supply conduit extends through the handle and is provided with a heating coil that is housed immediately beneath the water reservoir. One extension of this heating coil extends into branches through the circular curling iron and another extension extends into branches through the arcuate auxiliary member. The circular iron is provided with a central longitudinal bore that has a vertical duct at one end in communication with the upper portion of the water reservoir and communicates along its length with a plurality of radially extending bores. A boss extends upwardly through the center of the reservoir and includes a vertical duct that extends downwardly and outwardly thereof and through an exterior extension. A similar extension extending outwardly from the adjacent portion of the auxiliary member is provided with a bore that communicates with the longitudinal bore of the auxiliary member that is also in communication with a plurality of uniformly distributed holes that extend through the concave upper mating surface thereof. A flexible tube is secured on each of the extensions, to provide communication between the interior of the housing and the outlet holes of the auxiliary member. A handle on the auxiliary member cooperates with the adjacent handle of the main body to provide for the clamping and release of the steam and heating iron and a pair of longitudinal electrical branches extending through said curling iron and 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 heating means comprises a pair of longitudinal electrical branches extending through said iron and to said auxiliary member, and a pair of longitudinal electrical branches extending through said curling iron and opposite lateral extremities of said arcuate bore.

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UNITED STATES PATENTS

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