

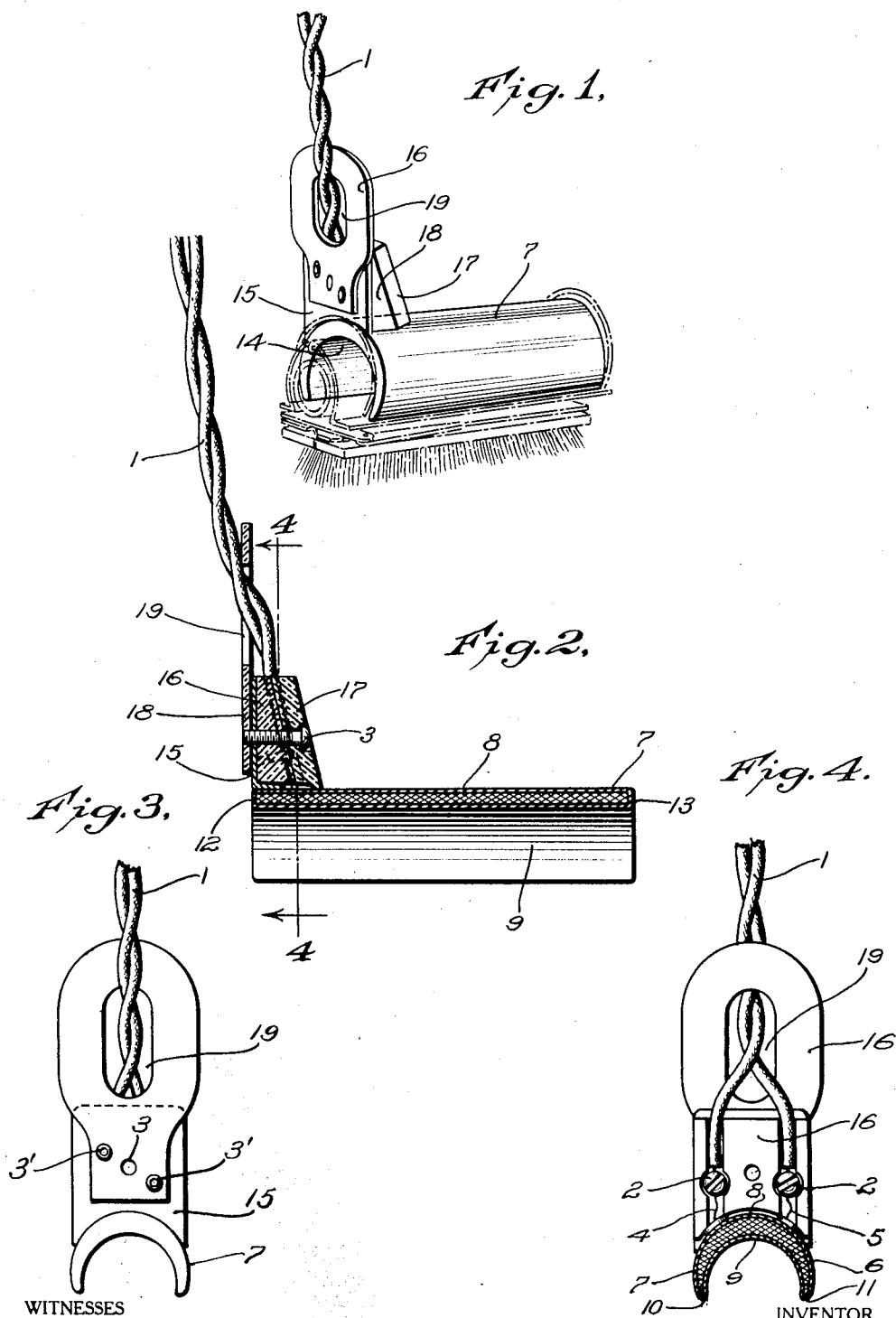
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HEATER FOR HAIR WAVING OUTFITS

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HEATER FOR HAIR-WAVING OUTFITS.

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This invention relates to heaters for hair waving outfits, and has for an object to provide an improved construction adapted to be used in connection with my co-pending application for hair waving outfits.

Another object of the invention is to provide an improved heater for hair waving outfits, wherein the heater is formed so that it may be quickly applied or removed, and when applied, will almost surround the hair being treated.

A further object of the invention is to provide a simple heater for hair waving outfits, wherein a partly tubular heating structure is formed, capable of fitting over coiled hair without any adjustment of the parts.

In the accompanying drawing—

Figure 1 is a perspective view of a heater disclosing an embodiment of the invention, a coil and certain other parts being shown in dotted lines in connection therewith.

Figure 2 is a longitudinal vertical sectional view through the heater shown in Figure 1.

Figure 3 is an end view of the heater shown in Figure 1.

Figure 4 is a sectional view through Figure 2, approximately on line 4—4.

Referring to the accompanying drawing by numerals, 1 indicates the lead-in wires of the heater which are connected by screws 2 with the terminals 4 and 5 of the heating element 6. The heating element 6 is substantially a half circle and is fitted into a casing 7 formed substantially as a half circle in cross section. The semi-tubular section 7 may be manufactured in any desired way, but is preferably formed from a section of tube bent so that part of the tube will form the outer section 8 and part of the tube the inner section 9 with the connecting edges 10 and 11 all of one piece. The end plates 12 and 13 may be spot welded in place, soldered or otherwise secured in place, so as to make a substantially water-tight and air-tight container for the heating element 6. The section 9 is a trifle over a half of a tube and, consequently, will readily fit over a shell 14. The shell 14 is mounted over the coiled hair to be treated and forms no part of the present invention. The hair to be treated is wound on a tube or other support, covered with a moistened cloth having proper chemicals, and then the shell 14 placed in position thereon. The heater embodying the in-

vention is then applied as shown in Figure 1, and the heat turned on and maintained on for the desired length of time. The heater may be placed in position by a direct movement toward or from the shell 14.

Rigidly secured to the casing 7 is a metallic bracket or support 15 which is spot welded or otherwise rigidly secured thereto at one end. This bracket is preferably provided with a threaded opening for receiving the screw 3, which screw not only passes through this bracket but through a supporting block 16, a clamping block 17 and a cord guide and guard 18. The guide and guard 18 is preferably of insulating material and is provided with an opening 19 through which the wires 1 extend. This guide and guard may be secured to the bracket 15 in any suitable manner, as for instance, by rivets 3'. The screw 3 acts to clamp the block 17 firmly against the ends of wires 1 so as to protect these wires, as well as the terminals 4 and 5 and associated parts. Auxiliary screws 2 are used for mechanically and electrically connecting the ends of wires 1 to the terminals 4 and 5, as shown in Figure 4. The screws 2 are threaded into the block 16.

In use, after the parts have been properly assembled as shown in Figure 2, the device is ready for use and may be slipped over the shell 14 as desired. In waving or curling hair, it is customary to wind the hair in small bunches so that there will be usually twenty-five or more bunches on an ordinary size head. After the hair has been properly coiled and supplied with the proper coverings, including the shell 14, a heater for each coil is forced over the coil as shown in Figure 1. In other words, there are thirty coils for instance, there will be thirty heaters used, and it is customary to apply the heaters as the different coils have been finished, but the current is not turned on until all of the coils have been properly formed and supplied with heaters. When this has been done, the current is turned on to all of the heaters at one time. After the current has been maintained on for the desired time, it is turned off and the heaters removed and used on the next customer if desired. By providing the casing 7 substantially water-tight, none of the moisture can in any way affect the heating element 6, which may be of any desired type.

Also, there is no chance of any injury being done to the heating element or any of the other parts, as the casing 7 is made of metal and the blocks 16 and 17 are of fiber
5 or other suitable insulation.

What I claim is:

A heater for hair waving outfits, comprising a heating element substantially arc-shaped in cross section, a metallic casing
10 covering said heating element, a bracket connecting with said casing adjacent one end, a pair of insulating blocks associated

with said bracket, said heating element having a pair of terminals extending between said blocks, a pair of lead-in wires extending between said blocks, means for connecting
15 the respective lead-in wires with said terminals, and means for clamping said blocks together and to said bracket for holding said lead-in wires in proper position for
20 protecting the respective parts adjacent the ends of the lead-in wires.

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