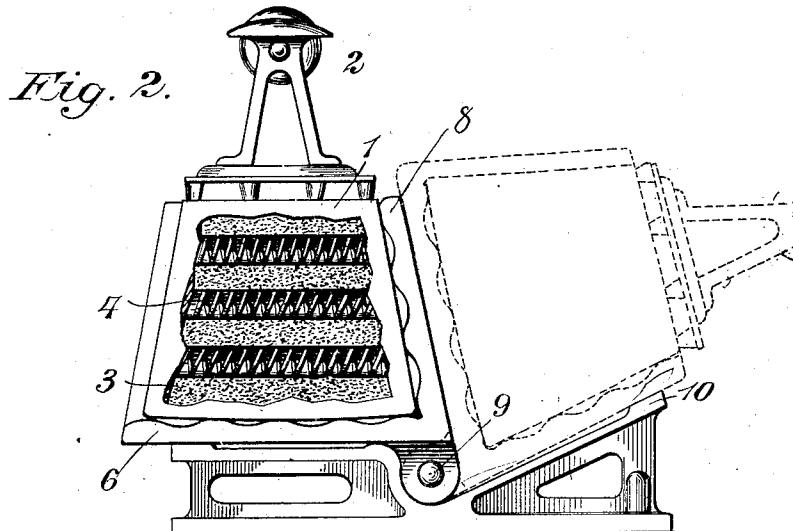
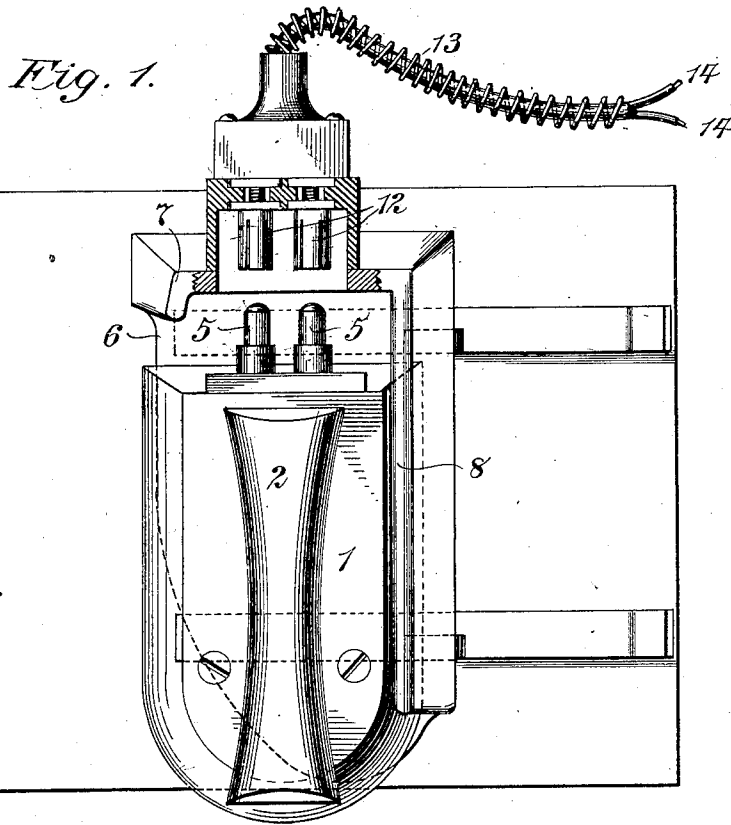


W. S. HADAWAY, JR.

ELECTRIC HEATER.

APPLICATION FILED SEPT. 7, 1901.

NO MODEL.



Witnesses
Edward Rowland.
Samuel C. E. Carpenter.

William S. Hadaway, Jr. Inventor
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UNITED STATES PATENT OFFICE.

WILLIAM S. HADAWAY, JR., OF EAST ORANGE, NEW JERSEY.

ELECTRIC HEATER.

SPECIFICATION forming part of Letters Patent No. 737,227, dated August 25, 1903.

Application filed September 7, 1901. Serial No. 74,607. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. HADAWAY, Jr., a citizen of the United States, residing in East Orange, in the county of Essex and State of New Jersey, have invented a certain new and useful Improvement in Electric Heaters, of which the following is a specification.

My present invention has relation to electrically-heated flat-irons and the like; and the principal object of said invention is the provision of an improved means whereby an iron of this character may be conveniently heated from within while doing away with the disadvantages incident to conducting-cords fixed to said irons.

Another object of my present invention is the provision of a support or receptacle for flat-irons of the kind above set forth, which support shall permit of use of the side of the flat-iron while in said support and shall admit of such use under convenient circumstances of position and with full control of the thermal condition of the iron while being so used.

A preferred form of my present invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a plan view of my iron and support, the top of the stationary terminal box being removed for better illustration of the contained terminals; and Fig. 2 is an end view of the same with one end of the iron removed to show the contained heater, the inclined position of the iron and support being also therein indicated in dotted lines.

In the drawings the shell of the flat-iron is shown at 1, and its handle at 2. Within this shell I place any desired type of electric heater—as, for instance, that shown in Fig. 2, wherein the non-conducting base 3 carries the heating-conductors 4, coiled in appropriate grooves. The ends of these conductors are brought out to the surface of the flat-iron in the usual way; but instead of being there connected to the wires of the usual cord or cable they are connected to two fixed terminals 5, projecting from the rear of the iron, as shown in Fig. 1. In the drawings these are shown as male terminals; but it is to be understood that the nature of these terminals is not material, any form being within the spirit of this invention.

The support or receptacle for my iron has a

base 6, upon which the iron is usually placed during the term of heating. At the rear of this base is a back wall 7, and upon one side (preferably the right side) of said base I employ a side wall 8, designed to act as a support when the receptacle is tilted and to guide the iron when placed upon the support, so as to insure quick and convenient connection at the electric terminals.

The entire receptacle or support is hinged at the intersection of the base and side wall, as shown at 9. It follows from this arrangement that the support and iron, one or both, can be placed at will either in the normal position shown in full lines in Fig. 2 or tilted, as shown in dotted lines therein, so that the wall 8 comes down upon the inclined table 10.

The rear wall 7 is cut away to receive the terminal box or extension 11. This box carries two terminals 12, which in the form shown are female terminals of resilient metal, cut longitudinally in a well-known manner to give a spring-grip upon the male terminals. The cable 13 contains the necessary conductors 14 for bringing direct or alternating current to the terminals 12 in a well-known manner.

My device is used as follows: The iron is placed upon the receptacle as shown in the drawings, but the rear end is pushed back so that the two terminals 5 enter the corresponding terminals 12. The result is to carry the heating-current supplied by the wires 14 through the coils 4, thus heating the iron in a well-known manner. When the iron is sufficiently heated, the terminals 5 have only to be removed from the terminals 12 to interrupt the heating action. The iron can then be used at once or left as shown in Fig. 1 until needed, the base 6 being made long enough to support the iron conveniently either in the position shown or in the heating position. In many cases, particularly in the ironing of hats in factories, it becomes desirable to use the side of the iron. This can be done either while the iron is receiving heat-supply or with terminals disconnected by tilting the whole receptacle and contained iron, as shown in dotted lines in Fig. 2, the same being then supported on the table 10, thus bringing the side of the iron practically horizontal, and thus in position for use, as above described.

Electrically-heated irons with fixed termi-

nals adapted to make contact with circuit-terminals on a heating-table have been heretofore suggested, and I do not herein claim such a construction broadly. My improved
5 table, however, is so constructed as to facilitate use of the side of the iron either while the heater is in circuit or (by drawing the heater back a little on the support) while the heating-circuit is interrupted. Moreover, by
10 using a side wall 8, properly placed, as shown, the mere act of placing the iron on the support and against the side wall and then pushing the iron back brings the electric terminals properly together. Thus quick and sure
15 circuit connections are made without the operator having to do more than glance at the support used.

A number of the details of the device above described might be changed to suit the judg-

ment of individual users without departing 20 from the scope of my present invention, and I am not to be understood as limiting myself to said details except in so far as they are specifically included in my claim—

What I claim is—

The combination of a flat-iron, an electric 25 heater within the same and exterior terminals for said heater, with a support for said iron hinged along one side thereof, terminals on said support adapted to cooperate with the 30 terminals on said iron, a side wall adapted to bear on one side of said iron and an exterior bearing against which said wall rests when said support is tilted on said hinge.

WILLIAM S. HADAWAY, JR.

Witnesses:

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