B. W. MACY.

ELECTRICALLY HEATED GARMENT PRESSER.

APPLICATION FILED FEB. 16, 1921.

1,420,636. Patented June 27, 1922.

Fig. 1.

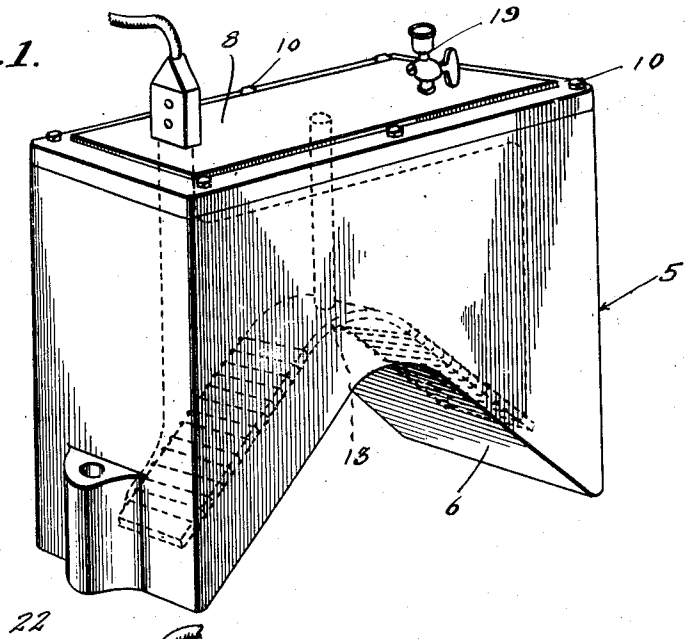
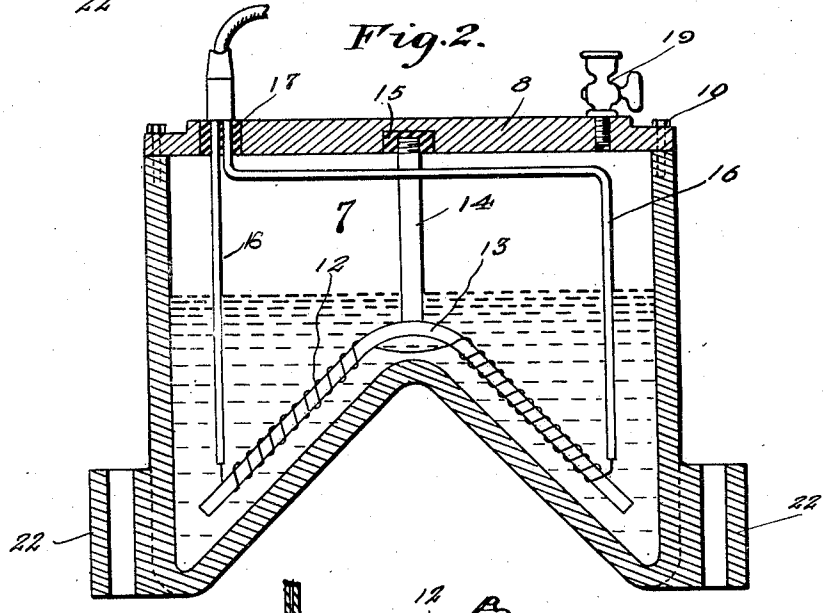


Fig. 2.



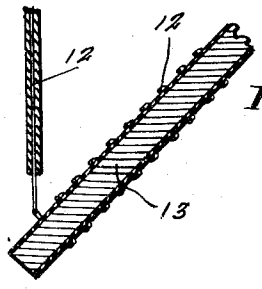


Fig. 3.

WITNESSES

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BARNETT WRIGHT MACY, OF JACKSONVILLE, FLORIDA, ASSIGNOR, BY MESNE ASSIGNMENTS, TO ELECTRIC HEATING CORPORATION, A CORPORATION OF FLORIDA.

ELECTRICALLY-HEATED GARMENT PRESSER.

1,420,636. Specification of Letters Patent. Patented June 27, 1922.

Application filed February 16, 1921. Serial No. 445,507.

To all whom it may concern:

Be it known that I, BARNETT WRIGHT MACY, a citizen of the United States, and a resident of Jacksonville, in the county of Duvall and State of Florida, have invented certain new and useful Improvements in Electrically-Heated Garment Pressers, of which the following is a specification.

This invention relates to electrically heated garment pressers especially adapted for use in pressing cuffs, neck bands, yokes, bosoms and the like.

An important object of the invention is to provide an electrically heated press wherein the heating element is submerged in a body of oil which is heated by the heating element and which in turn heats the body of the iron.

A further object of the invention resides in the electrically heated iron having an oil containing heating chamber provided with novel means whereby the excess pressure may be relieved.

Another object of the invention is to provide an electrically heated iron having means for supplying the garment with a uniform degree of heat so that the garment will not be scorched or burned.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawing, forming a part of this application and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a perspective of the improved garment press.

Figure 2 is a vertical transverse sectional view through the same.

Figure 3 is a detail sectional view through the heating element.

In the drawing, the numeral 5 generally designates the improved press which has its garment contact surface 6 arched or arranged in V-shaped formation.

With reference to Figure 2 it will be observed that the body or iron is formed with a compartment 7 within which a quantity of oil is arranged. The body of the press is provided with a closure plate 8 rigidly secured to the upper side of the same by means of fastening devices in the nature of screw bolts 10. The fastening devices 10 provide an air tight connection between the side walls of the compartment 7 and the closure plate 8 so that the air will be effectively excluded from the compartment.

In carrying out the invention, I arrange an electric heating element 12 within the compartment 7 and mount the same on a bar 13 which is in the shape of a V and is arranged in spaced relation to the V-shaped bottom of the recess. The heating coil is formed from a low resistance alloy so there will be no heat to carbonize or burn the oil. The bar 13 is supported intermediate its ends by a post 14 which is threaded into an insulating block 15 imbedded in the closure plate 8. By reason of the insulating block 15, the post 14 is effectively insulated from the closure plate 8.

The terminals of the heating elements 12 are connected to conductor wires 16 which are extended through insulating blocks 17 in the cover and having connection with a suitable source of energy.

In the use of improved iron, the coil 12 is energized for uniformly heating the oil, whereby a uniform heat is applied to the garments as they are pressed. When the pressure within the compartment 7 rises beyond a predetermined point as a result of energizing the coils 12 excess pressure may be relieved by means of a valve 19.

In carrying out the invention, any suitable means such as a pair of ears 22 may be employed for supporting the device.

Having thus fully described the invention, what I claim as new and desire to secure by Letters Patent is—

1. An electric iron comprising a body having a compartment and a garment contact surface, a heating element arranged in spaced relation to the garment contact surface, a bar supporting the heating element, and a post connected to the bar and secured to said body.

2. An electric iron comprising a body having a compartment and a garment contact surface, a heating element arranged in spaced relation to the garment contact surface, a bar supporting the heating element, a post connected to the bar and secured to said body, and a relief valve having communication with said compartment.

3. An electric iron comprising a body having a V-shaped garment contact surface and an oil containing compartment, a heating element arranged within said compartment in spaced relation to said garment con-

tact surface, a V-shaped bar supporting said heating element, a post carried by said body and secured to the intermediate portion of said bar, and means to relieve pressure in said compartment.

4. An electric iron comprising a body having a V-shaped compartment adapted for the reception of a liquid, a heating element arranged within said compartment, and means to support said heating element.

5. An electric iron comprising a body having a compartment adapted for the reception of a liquid, a heating element arranged within said compartment, and means to support said heating element.

6. An iron comprising a body having a compartment adapted for the reception of a liquid, a heating element arranged within said compartment in spaced relation to the walls of the same, and means to support said heating element.

7. An electric iron comprising a body formed with an interior chamber and an outside ironing surface, a liquid in said chamber, and a heating element also in said chamber immersed in said liquid, whereby said liquid is employed to transmit the heat from the heating element to the walls of the iron and serves to create a reserve body of heat to maintain a uniform temperature of the ironing surface.

8. An electric iron comprising a body formed with an interior chamber and an outside ironing surface, a liquid in said chamber, and a heating element also in said chamber whereby said liquid is employed to transmit the heat from the heating element to the walls of the iron and serves to create a reserve body of heat to maintain a uniform temperature of the ironing surface.

9. An electric iron having a body formed with an interior chamber and an outer ironing surface, a body of oil in said chamber, a heating coil immersed in said oil and formed from material having relatively low resistance whereby carbonization of the oil is prevented, substantially as set forth.

BARNETT WRIGHT MACY.