March 31, 1953 D. C. GERBER 2,632,969

SUPPORT FOR ELECTRIC IRONS

Filed Nov. 18, 1947

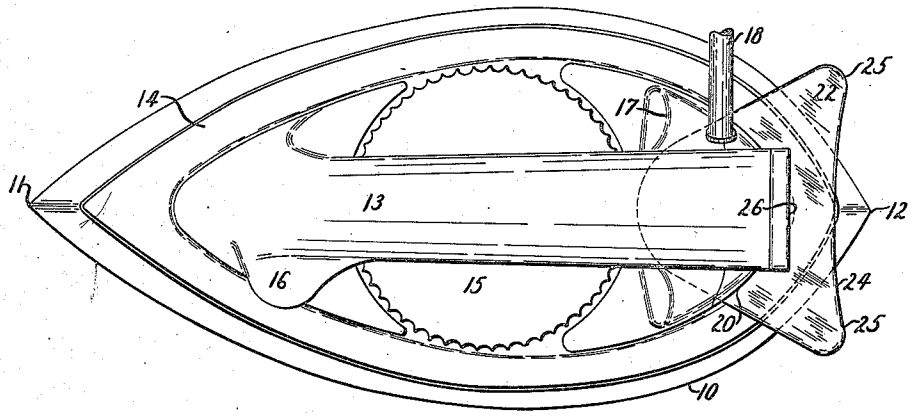


Fig. 1

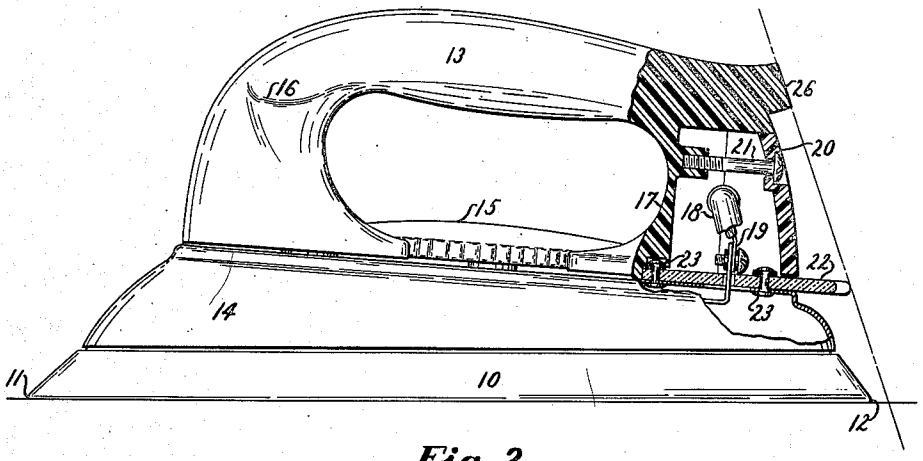


Fig. 2

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Patented Mar. 31, 1953 2,632,969

UNITED STATES PATENT OFFICE

2,632,969

SUPPORT FOR ELECTRIC IRONS

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Application November 18, 1947, Serial No. 786,769

4 Claims. (Cl. 38—79)

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This invention relates to electric pressing irons and more particularly to those of the type in which the toe and heel both are pointed with means for supporting the iron upon its heel end by upending the iron rearwardly.

Electric smoothing irons having both the toe and heel pointed are known in the art. Such irons of necessity must be turned on their side when temporarily not in use in order to prevent the sole plate from burning the ironing board cover or the material being pressed. In addition, in such a position, the central edge of the sole plate also contacts the ironing board cover or the material being pressed when the iron is temporarily turned on its side. The central edge of the sole plate is usually very hot when the iron is in use and as a result the ironing board cover may be scorched by this edge when the iron is laid on its side while its heater is still energized.

Another disadvantage of the prior irons having both ends pointed is that they are awkward to use by some users. Most present day irons are made to be turned rearwardly so as to be supported on the heel and handle when not in use. To a user not accustomed to an iron which cannot be turned rearwardly to be supported the double pointed iron seems awkward and clumsy in use.

According to the present invention, a double pointed iron is provided with means for supporting it on its heel end so that no portion of the sole plate will contact the supporting surface thus assuring that the ironing board cover or the material being pressed will not be scorched or burned.

More specifically according to this invention a double pointed iron is provided with a triangularly shaped supporting member of heat resisting insulating material secured to the iron body between the iron handle and the heat dissipating shell and extending rearwardly of the shell to such a position that one side of the triangular support will cooperate with the rear of the handle to support the iron on its heel with the pointed heel of the iron free of the supporting surface.

The rearwardly extending support is preferably made of a heat resistant transparent glass so that the pointed heel will be visible to the user while the iron is being used. It also provides a convenient means for insulating the electric terminals which extend upwardly through the support to the end of the service cord positioned in a recess in the handle.

Other objects and advantages of this invention

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will become apparent as the description proceeds when taken in connection with the accompanying drawings in which:

Figure 1 is a plan view looking downwardly on the pressing iron of this invention; and

Figure 2 is a side view partly in section of the iron of Fig. 1 showing the details of construction.

Referring to to the drawings reference numeral 10 represents a sole plate having a pointed toe 11 and a pointed heel 12. The sole plate 10 is heated by an electric heater (not shown) in a manner well known in the art. The iron is adapted to be manipulated by handle 13 secured to a heat dissipating cover shell 14 overlying both the sole plate 10 and the electric heater. The handle 13, cover shell 14, and sole plate 10 are secured together in any manner well known in the art.

A control knob 15 is rotatably mounted on the cover shell 14 to adjust a thermostatic control (not shown) for the electric heater. A thumb rest 16 is positioned at the forward portion of the handle 13. The rear leg 17 of the handle 13 is hollowed out to accommodate the electrical conducting wires 18 and to form a junction recess where the wires 18 are connected to the terminals 19 for the electric heater. A cover plate 20 is attached to the rear of the leg 17 by a screw 21 and forms a closure for the junction recess which houses the connection between the wires 18 and the terminals 19.

The rear leg 17 of the handle 13 is recessed at its lower edge to receive a supporting member 22 secured to the cover shell 14 by rivets 23. The supporting member 22 may be made of any suitable heat resisting insulating material such as glass, fiberboard or other such material having sufficient heat resisting properties, but is preferably made of transparent glass so that the pointed heel will be more readily visible when the iron is in use. As shown in Fig. 2 the support 22 also forms a convenient way of insulating the terminals 19 which are shown extending through an opening in the support 22.

The supporting member 22 is triangular in formation with one side 24 extending crosswise of the iron. The side 24 is bowed inwardly to form a pair of supporting ears 25. The top of the handle 13 is extended rearwardly at 26. The rear extensions 26 of the handle 13 and the ears 25 of supporting member 22 are so related that when the iron is turned on its heel they will form a three point support for the iron lying in a plane shown in dot-dash lines of Fig. 2 so that the

pointed end 12 of the sole plate 10 will be free of the supporting surface.

While I have shown but a single embodiment of my invention it is to be understood that this embodiment is to be taken as illustrative only and not in a limiting sense. I do not wish to be limited to the particular structure shown and described but to include all equivalent variations thereof except as limited by the scope of the claims.

I claim:

1. An electric pressing or smoothing iron comprising, a sole plate having a pointed toe and a pointed heel, a cover shell secured to the top of said sole plate and extending rearwardly to a point forward of said pointed heel, a handle secured to said cover shell, said handle having a rear leg, and a supporting plate secured to said cover shell between said rear leg and said cover shell, said supporting plate being extended rearwardly of said cover shell and rearwardly of the rear end of said handle, said supporting plate being provided with a pair of widely spaced supporting lugs, one on each side of said pointed heel forwardly thereof and rearwardly of the rear end of said handle, the arrangement being such that the rearwardly extending lugs of said supporting plate and the rear end of said handle will support said iron on a plane surface when upended on its heel end with its pointed heel free of the supporting surface and said pointed heel will be visible to the rear of said supporting plate when the iron is in use.

2. An electric pressing iron comprising, an iron body including a sole plate having a pointed heel, a manipulating handle having a rear leg attached to said body, a supporting plate attached to said body and extending rearwardly from said body, said supporting plate being formed with a pair of widely spaced protuberances one on each side of said pointed heel and engageable with a supporting surface when said iron is upended on its heel and a rearward extension on said handle above the protuberances of said supporting plate, said protuberances being positioned forwardly of said pointed heel and rearwardly of the rearward extension of said handle when said iron is in use, the arrangement being such that the rearward extensions of said handle and the protuberances of said supporting plate will form a three point support for supporting said iron on a supporting surface in an inclined position on its heel end with its pointed heel positioned above the supporting surface and said pointed heel will be visible to the rear of said supporting plate when the iron is in use.

3. A pressing iron according to claim 2 in which said supporting plate is made of transparent material so said pointed heel will be readily visible when the iron is in use.

4. A pressing iron according to claim 1 in which said rear supporting leg is hollowed out to form a junction recess, said supporting plate is formed with an opening therethrough for the passage of electric terminals upwardly into said recess and said supporting plate is formed of insulating material to insulate said terminals from said cover plate.

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