

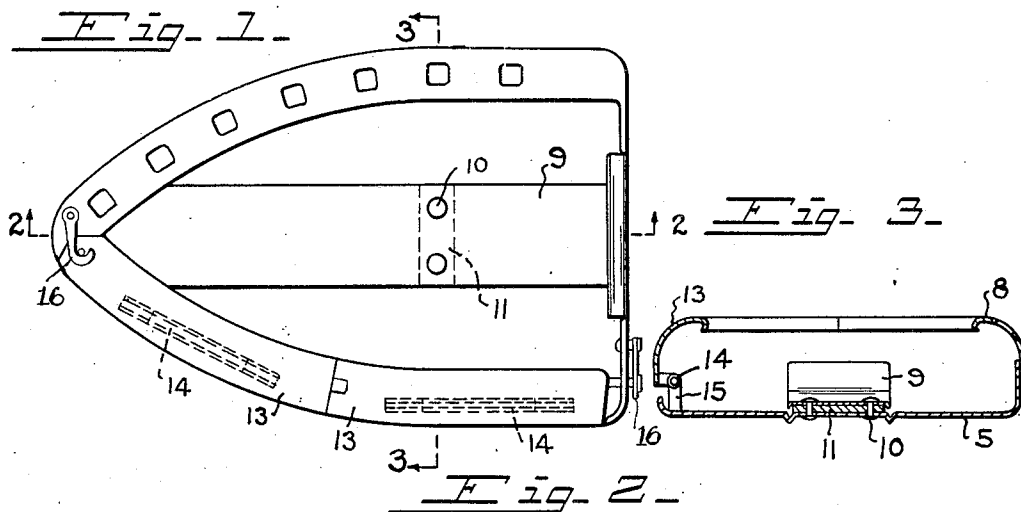
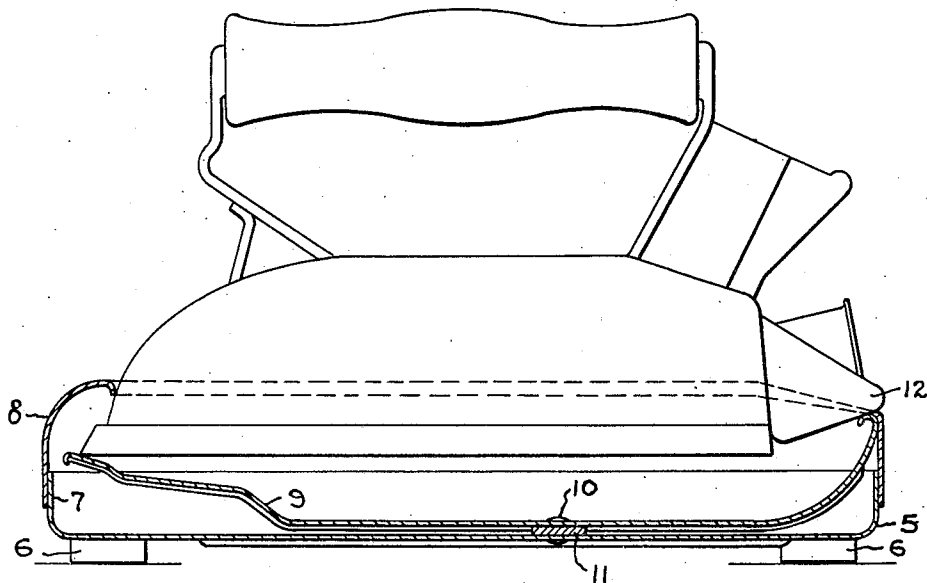
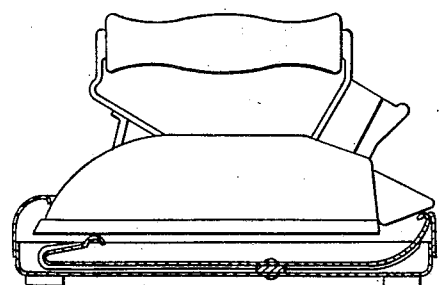
Sept. 19, 1933.

R. F. WUENKER

1,927,431

IRON STAND

Filed Jan. 9, 1932



INVENTOR.
RALPH F. WUENKER.

BY

Bennett R. Knight
ATTORNEY.

UNITED STATES PATENT OFFICE

1,927,431

IRON STAND

Ralph F. Wuenker, Milford, Ohio

Application January 9, 1932. Serial No. 585,671

5 Claims. (Cl. 68—27)

My invention relates to a housing and stand for an electric iron and more particularly to a stand, which is so heat insulated that it will not conduct heat from the iron to any other object upon which it may seat or rest.

Previous to my invention, it had been the practice to provide stands with electric irons, which merely prevented the scorching of cloth on the ironing board or the burning of any other nearby material, or if no stand was provided, it was customary to set the iron upon its heel rest so that the most heated portion is entirely exposed. No means were provided to absolutely prevent the burning of the users hands if they happened to come into contact with the iron or stand. These stands were very uneconomical because of the tremendous heat transferred by conduction from the iron onto the stand each time the iron was not being used. This, of course, was due principally to the fact that a large area of the iron's bottom surface was in contact with the iron stand.

One of the objects of my invention is to provide a stand particularly for an electric iron, such as shown and described in my co-pending application on electric iron filed January 9, 1932, Serial 585,672, so constructed as to provide complete protection against burns and entirely eliminate all fire hazard.

Another object of my invention is to provide a stand, which can be used with great facility since its outer shell is substantially cool at all times. Further, it is so constructed that the iron may be inserted and removed speedily and with little effort and yet may be placed in position and maintained thus, even if carelessly handled by the user. The stand is also so constructed that the hot iron may be placed within it and stored in any desired place without waiting for cooling.

Another object of my invention is to provide a stand whose use will be very economical, and one which will be saving in the use of current since it will not absorb any appreciable amount of heat from the iron when it is inserted in place.

Another object of my invention is to provide a stand which will have all the above advantages and yet can be simply, durably and cheaply constructed.

In the particular embodiment of my invention selected for illustration;

Fig. 1 is a top plan view of my stand,

Fig. 2 is a section on the line 2—2 of Fig. 1 with the iron shown in full and inserted into the stand,

Fig. 3 is a section on the line 3—3 of Fig. 1, and Fig. 4 is a vertical axial section of a modified form of my invention.

Referring now to the drawing and particularly to Figs. 1 and 3, the base 5 is supported upon suitable feet 6 and to its front up-turned edge 7 is secured the cover member 8. The support 9 is secured to the base 5 by means of the rivets 10, or in any other suitable mode and preferably with a metallic washer 11 seated in between. The front and rear portions of the support 9 are so shaped as to have a more or less resilient effect when the iron is inserted or removed, and the rear portion is provided with a steep slope so that whenever the heel rest 12 of the iron slides off of the supporting portion of the support 9, the iron will slide towards the front of the stand.

On the side of the stand opposite the cover member 8 are cover members 13, which are so pivoted at 14 to a support 15, struck up from the base 5, that the members 13 may be swung downwardly and the iron inserted into the stand from the side. During normal use, these members 13 may be left in their downward position and when it is desired to store the iron away within the stand, they may be pushed up into the position shown in Figs. 1 and 3 and held there by means of hooks 16, or in any other suitable manner. When the iron is so maintained within the stand, should the stand be knocked over, the iron will remain within and all chance of a person being burned or of a fire being started is completely removed.

It can readily be seen that since the only heated portion of the iron in contact with the stand support is the tip; and since the heel rest of the iron is always cool, that very little heat is conducted from the iron onto the support. What heat is transferred from the iron to the support is conducted along the support, which forms a long thin heat path and practically none of it reaches the base 5 or any other portion of the outside of the stand. The air space between the bottom of the iron and the support 9 acts as insulation, and since it is below the heated surface, there is no transfer of heat by convection. Consequently, very little of the heat of the iron is wasted and it remains at substantially the same temperature for its next immediate use and yet the outside of the stand is cool at all times.

While the invention has been described above in its preferred form, it will be obvious that various changes and modifications can be made therein without departing from the spirit or scope thereof, and it is therefore desired that only such

limitations be imposed thereon as are necessitated by the prior art or specifically set forth in the claims.

I claim:

- 5 1. A supporting stand for an electric iron comprising a base substantially the same shape as the sole plate of the iron, a narrow elongated support for said iron on which said iron seats, said support being secured lengthwise on said
10 base, and having its front and rear portions only extending upwardly.
2. A supporting stand for an electric iron comprising a base, a narrow elongated member upon which said iron rests secured to said base, and
15 side walls secured to said base retaining said iron within said stand when properly positioned.
3. A supporting stand for an electric iron comprising a base, a member upon which said iron rests secured to said base, side walls secured to
20 said base retaining said iron within said stand when properly positioned, one of said side walls

being hinged to swing outwardly to permit entrance of the iron into the stand from the side.

4. A supporting stand for an electric iron comprising a base, a member upon which said iron rests secured to said base, side walls secured to said base retaining said iron within said stand when properly positioned, one of said side walls being hinged to swing outwardly to permit entrance of the iron into the stand from the side and means for maintaining said hinged wall
85 closed.

5. A supporting stand for an electric iron comprising a base, a member upon which said iron rests secured to said base, side walls secured to said base retaining said iron within said stand when properly positioned, one of said side walls being hinged to swing outwardly to permit entrance of the iron into the stand from the side and a hook member for maintaining said hinged wall closed.
95

RALPH F. WUENKER

25	100
30	105
35	110
40	115
45	120
50	125
55	130
60	135
65	140
70	145
75	150