

Nov. 10, 1959

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2,912,201

IRON HOLDER

Filed July 1, 1957

2 Sheets-Sheet 1

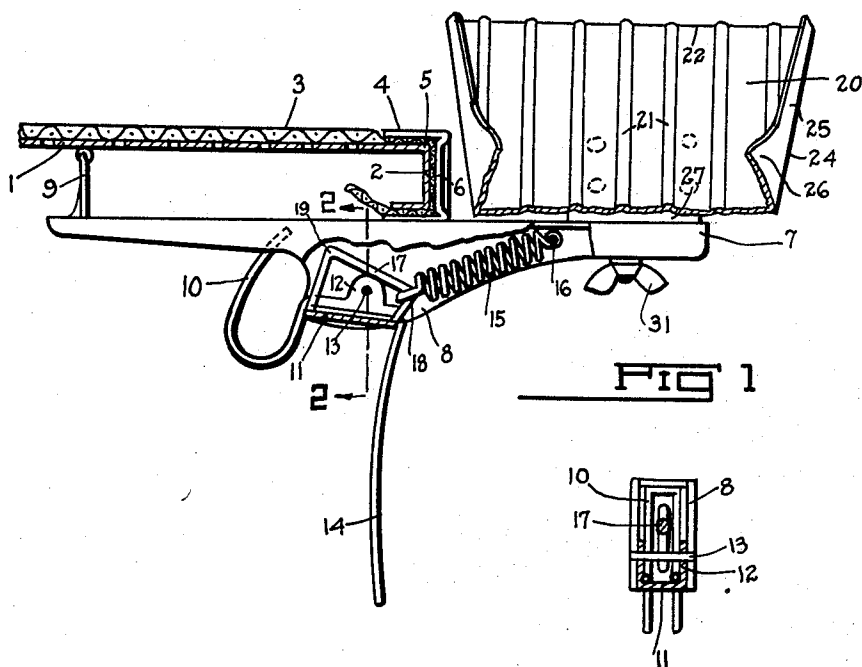


FIG 1

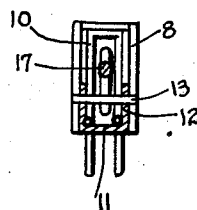


FIG 2

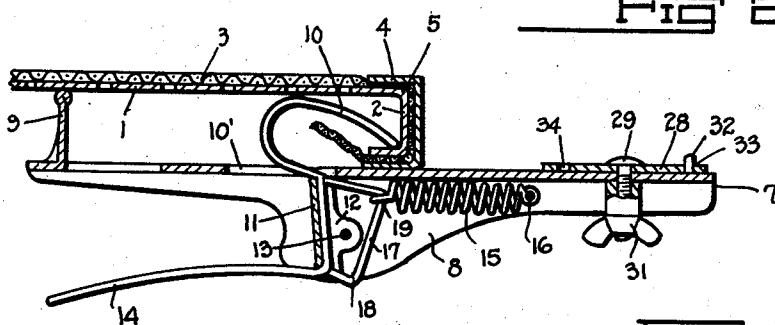


FIG 3

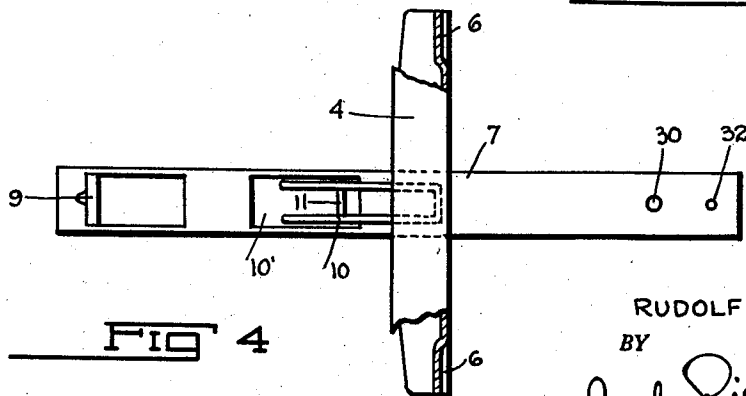


FIG 4

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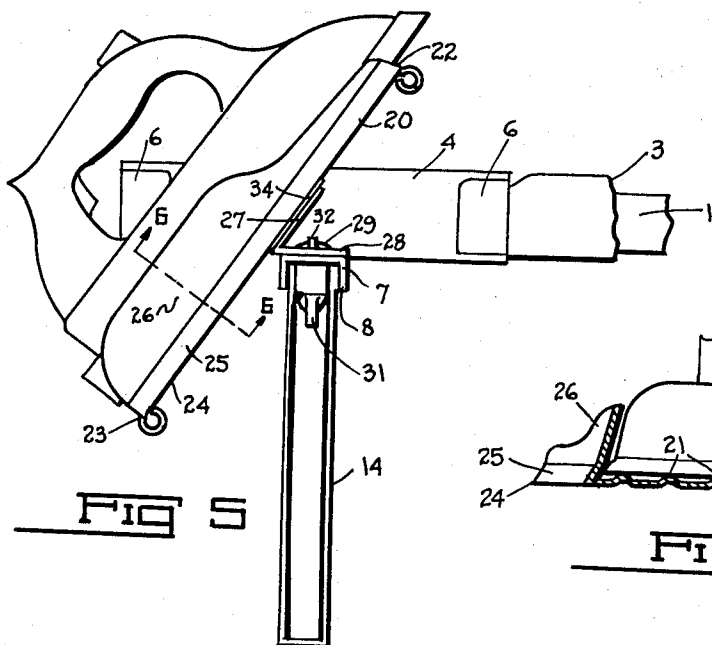
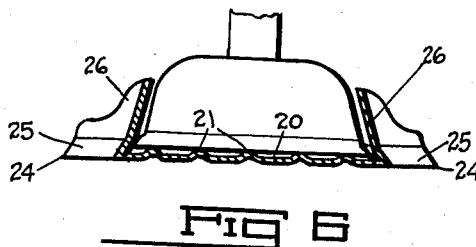
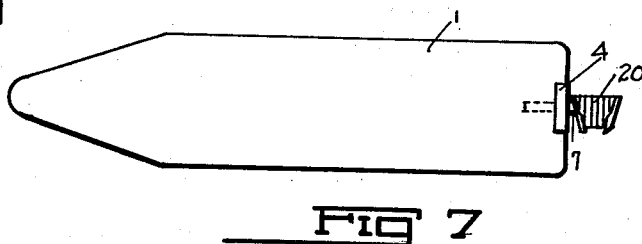
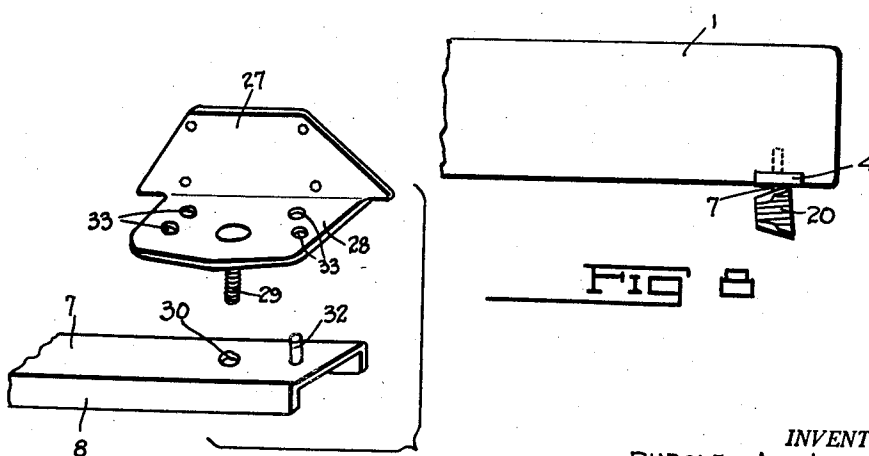
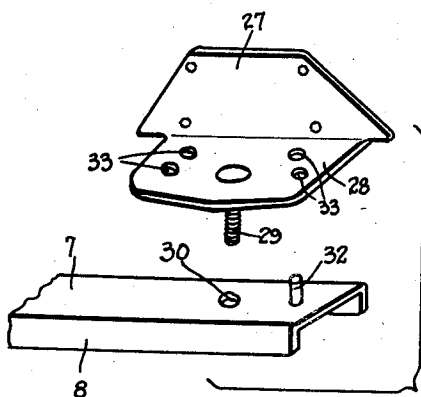
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IRON HOLDER

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Application July 1, 1957, Serial No. 669,323

9 Claims. (Cl. 248—117.7)

This invention relates in general to iron holders and in particular to a support detachably securable to an ironing board for holding an electric iron in a readily accessible position.

One object of my invention is to provide an electric iron holder which may be quickly and easily attached or detached anywhere on the periphery of an ironing board having a peripheral channel.

Another object of my invention is to provide an angularly positioned iron support plate whereby a steam iron will be supported in a non-steaming position.

And another object of my invention is to provide adjustment means for positioning the support plate at one of several angles in relation to the user for ease of insertion of the iron in the support.

Still another object of my invention is to provide side flanges on the iron support plate so formed and related to the plate whereby a wedge supporting action is provided for ease in placing the iron in the support.

And one more object of the invention is to removably mount the iron support plate to the structure which carries it on the ironing board so that it can be applied thereto in any one of several positions depending on which side of the ironing board the iron support is to be used.

And still another object of my invention is to provide a positive and quick release clamp carried by the iron holder to clamp same in the peripheral channel of a metal ironing board, with novel means for holding the clamp in clamping or released position.

Other objects and advantages as well as the construction and manner of use of my invention will be better understood by reference to the following specification in connection with the accompanying drawings in which:

Fig. 1 is a front view of the iron holder in place on the peripheral edge of an ironing board preparatory to clamping in place, portions being broken away to better illustrate certain other portions.

Fig. 2 is a sectional view on the line 2—2 of Fig. 1.

Fig. 3 is a longitudinal sectional view through the iron holder shown in clamping position, portions being omitted for clarity of illustration.

Fig. 4 is a top plan view of the holder with portions being broken away.

Fig. 5 is an end view of the iron holder.

Fig. 6 is a sectional view on the line 6—6 of Fig. 5 showing the iron support plate.

Fig. 7 is a reduced plan view showing the iron holder attached at the end of the ironing board with the support plate in one position.

Fig. 8 is a similar view with the holder on the side of the ironing board and the support plate adjusted to an angular position.

Fig. 9 is a disassociated view of the support plate mounting flange and the related portion of the bracket.

Referring now to the drawing by numerals of reference 1 designates a perforated metal ironing board with peripheral channel 2 and fabric cover pad 3 which

normally wraps around the channel and is held in any suitable fashion by draw cord or other means on the underside of the ironing board.

My iron holder comprises a U-clamp 4 snugly fitting the channel 2 on the peripheral edge 5 of the ironing board 1. Upset portions 6 at the ends of the U-clamp provide improved terminal contact means which make for a steadier relation between the U-clamp and the ironing board.

The U-clamp is positioned transversely on an elongated bracket 7 having depending side flanges 8 and a leg 9 to maintain the bracket substantially parallel to the iron board surface.

To lock the bracket and U-clamp in position on the ironing board I provide a U-shaped clamping finger 10 so formed to clear the fabric of the covering pad 3 and the lower channel flange 2', and applying pressure between angle 2' and the vertical member of channel 2, thereby retaining the inner end of the bracket in intimate contact with the underside of the ironing board at all times with the iron in or out of its holder.

The finger is carried on pivot plate 11, the ears 12 of which are pivotally carried at 13 between side flanges 8 of the bracket. A handle 14 extends from the pivot plate for manipulation of the clamping finger 10. An aperture 10' is provided in the bracket, the finger 10 passing through said aperture.

To retain the clamping finger 10 in clamping or released position I provide a spring 15 carried at one end by pin 16 in side flanges 8, the other end of the spring riding on slide rod 17. As shown in Fig. 1 the spring rests at angular end 18 of the slide rod holding the clamping finger in released position. In Fig. 3 the end of the spring has slid to angular end 19 of the slide rod and the spring tension now strongly urges the clamping finger into channel 2 contacting position. It is obvious that the weight of the iron is being carried by U-clamp 4, the clamping finger holding the iron holder in steady position on the ironing board.

The iron support plate 20 may be of any suitable non-tarnishing or noncorrosive material and may be formed with corrugations 21 to facilitate sliding of the iron thereon as well as minimizing heat transfer from the iron to the plate.

The configuration of the plate is such that one end 22 is substantially wider than the other end 23, the sides 24 tapering to form a wedge shape.

The sides 24 of the support plate have full length angularly disposed low flanges 25 with flange extensions 26 at a secondary angle. This construction provides a simple and effective means for engaging the iron on the holder at is requires only that the heel of the iron be placed on the holder and the secondary flanges will guide the iron into steady engagement with the low flanges as the iron gravitates downwardly on the holder.

It is to be noted that I mount the iron support plate 20 at an angle of approximately 60° to the horizontal. It has been found that this is about the angle needed to stop a steam iron from generating or discharging steam from the orifices therein.

A mounting plate 27 is secured to the iron support plate 20 with thermal insulating gasket 34 of asbestos or the like therebetween. The flange 28 of the plate 27 is provided with threaded stud 29 which engages aperture 30 in the bracket 7, a long shanked wing nut 31 being employed to tighten flange 28 on the bracket.

To aid in steadying the flange 28 and also to provide for selection and retention of the iron support plate in any of several angular positions or to reverse the plate 180° on the bracket for right or left hand users, I employ a pin 32 extending from the bracket 8 and adapted to

engage any one of several apertures 33 in the flange 28 of the plate 27.

From the foregoing it will be seen that I have provided a simple and effective iron holder, quickly and easily securable to or detachable from an ironing board in any desired peripheral position for either right handed or left handed users. The holder is adapted to guide and receive the iron with a minimum of attention to the manner in which the iron is applied to the holder.

Obviously, changes in form, proportion and details of construction may be resorted to without departing from the spirit of my invention and I reserve all rights to such changes as come within the scope of these specifications and the claims which follow.

What I claim as new and desire to secure by Letters Patent is:

1. An iron holder attachment for use on ironing boards having a peripheral channel, a U-clamp receivable by the channel, a bracket transversely secured to the U-clamp and having a portion extending under the ironing board in contact with the underneath surface thereof, and a portion extending outwardly from the ironing board, a clamping member carried by the bracket, means for moving the clamping member into and out of engagement with the peripheral channel of the ironing board, means for retaining the clamping member in or out of clamping position, and means on the outwardly extending portion of the bracket for supporting an iron.

2. The structure as specified in claim 1, said last-named means comprising a U-shaped wedge plate, and side flanges on the plate for gripping the iron.

3. The structure as specified in claim 1, said last-named means comprising a U-shaped wedge plate, and side flanges angularly disposed inwardly on the plate for gripping the iron.

4. The structure as specified in claim 1, said last-named means comprising a U-shaped wedge plate, and side flanges on the plate for gripping the iron, said side flanges comprising lower portions angularly disposed inwardly, and upper portions angularly related to the lower portions of the flanges.

5. The structure as specified in claim 1, said last-named means comprising a U-shaped wedge plate, and

side flanges on the plate for gripping the iron, said side flanges comprising lower portions the full length of the sides of the wedge-shaped plate and angularly disposed inwardly, and upper portions angularly related to the lower portions of the flanges, said upper portions extending only a portion of the length of the lower portions of the flanges.

6. The structure as specified in claim 1, said clamping member comprising a pivot plate pivotally carried by the bracket, a clamping finger extending from the plate, a handle extending from the plate, and spring means between the clamping member and the bracket for maintaining the clamping member in or out of clamping position.

7. The structure as specified in claim 1, said clamping member comprising a pivot plate pivotally carried by the bracket, a clamping finger extending from the plate, a handle extending from the plate, a slide rod on the pivot plate, a spring carried at one end by the bracket, the other end of the spring being slidably carried by the slide rod whereby the spring will slide to one position on the slide rod to retain the clamping finger in clamping position and to another position on the slide rod to retain the clamping finger in released position.

8. The structure as specified in claim 6, said clamping finger being actuately formed to clear the leg of the ironing board channel, and the fabric surrounding same.

9. The structure as specified in claim 6, said clamping finger extending around the leg of the ironing board channel and the fabric surrounding same and contacting the ironing board at the junction of the leg and vertical member of the ironing board channel.

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