Sept. 26, 1950 E. EICHELBERGER 2,523,685

PRESS IRON HOLDER

Filed April 27, 1946

FIG.1.

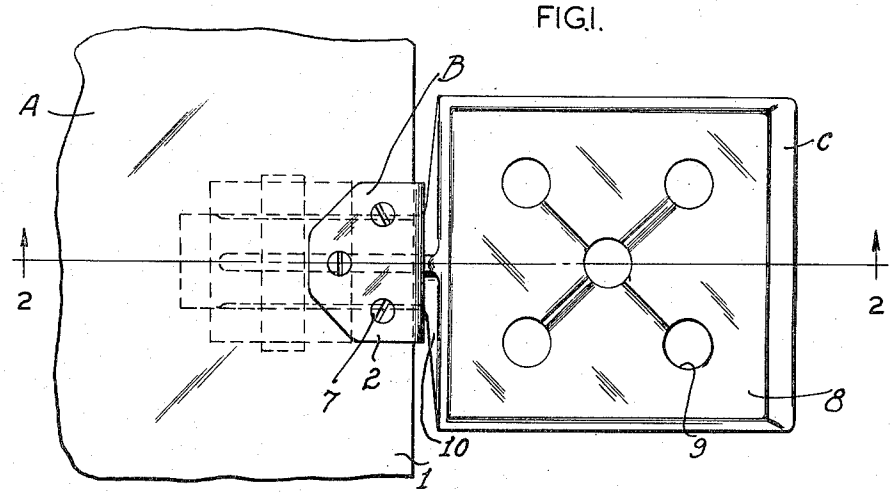


FIG.2.

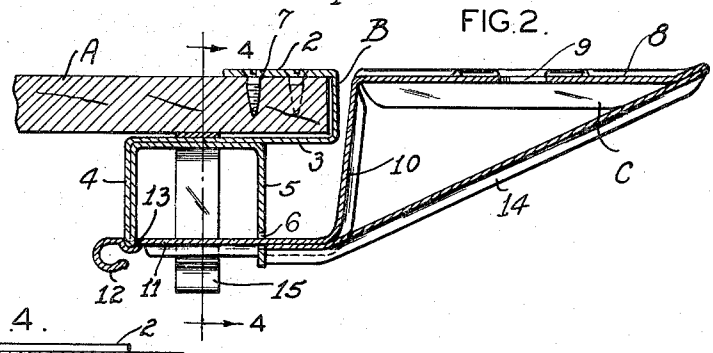


FIG.4.

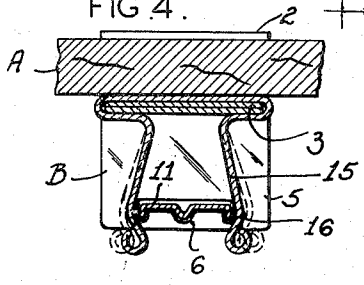
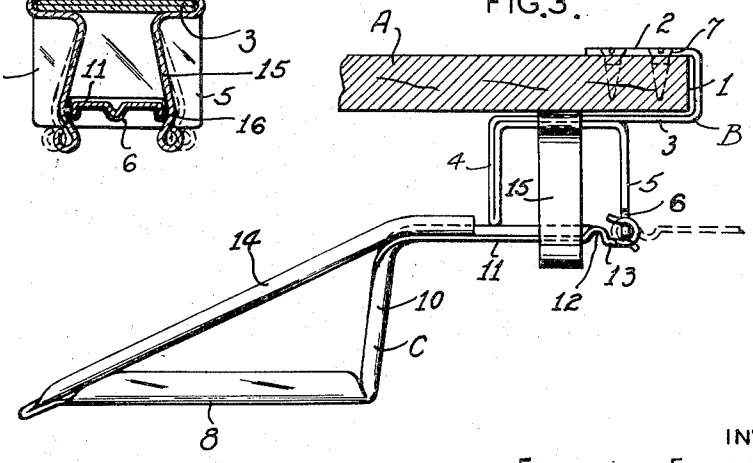


FIG.3.



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PRESS IRON HOLDER

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3 Claims. (Cl. 38—107)

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This invention relates to improvements in a press iron holder and more particularly to a device for attachment to an ironing board, so that the pressing iron used in pressing the clothes on said board may be supported adjacent to but not directly on the ironing surface of said board.

One of the important objects of this invention is to so construct a device of the kind described that there need be no overheating or burning of the ironing board or its cloth cover.

Another object of my invention is to so construct an iron holder of the kind described that the same will always be readily available for use when needed, inasmuch as it is mounted on said ironing board, and yet may be rapidly and readily shifted out of the way to inoperative position when the ironing is done, remaining mounted on said board in its inoperative position as well as in operative position.

An added object of my invention is to so construct an iron holder of the kind set forth, that it will be movable pivotally and slidably relative to the securing bracket, and be reversible end for end when actuated from its normal to its inoperative position, and vice versa, and be firmly interlocked with said bracket in either position.

Further objects of the invention herein described are to so construct an attachment for an ironing board, that will be neat and simple in construction and operation, of but few parts, be relatively economical to make, sturdy, and which will be otherwise satisfactory and efficient for use wherever deemed applicable.

Many other objects and advantages of the construction herein shown and described will be obvious to those skilled in the art to which this invention appertains, as will be more clearly pointed out in the claims and disclosure herein given.

To this end, my invention consists in the novel arrangement, construction and combination of parts herein shown and described, as will be more clearly pointed out in the claims hereunto appended.

In the drawings, wherein like reference characters indicate like or corresponding parts throughout the views,

Figure 1 is a top plan view of the improved devioce, in operative position attached to one end of an ironing board;

Figure 2 is a vertical cross-section through the same, taken substantially along the line 2—2 of Fig. 1;

Figure 3 is another vertical cross sectional

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view, corresponding to that shown in Fig. 2, but with the device in inoperative position; and

Figure 4 is a detail cross-sectional view, taken substantially along the line 4—4 of Fig. 2.

Referring more particularly to the drawings, wherein I have shown a preferred embodiment of my invention, A indicates an ironing board of any suitable size, shape and construction, commonly used about the home.

These boards may be as simple as desired, and although only a portion of such a board has been illustrated, it is obvious that such a board may be a part of a collapsible self-supporting structure, of wide-spread use, the enlarged end 1 of such board A being shown.

When a sad iron or other pressing iron is used in connection with such a board, a supporting surface for such iron must be provided, and most often, said iron is supported directly on the board itself, sometimes with a plate or platform interposed between the iron and board to take the wear and tear thus imposed, and to prolong the wearing qualities of the covering of the board and preventing the deterioration of the board itself that comes from overheating.

Not only does such an arrangement shorten the life of the board and cover, but it decreases the effective ironing area of the board, inasmuch as the area adjacent the iron support is not available for pressing too.

To overcome these shortcomings, I have so constructed a stand or holder for the pressing iron, that it will be supported by the board, adjacent to one end of the same, and will be in handy availability during pressing but may be readily and quickly shifted out of the way when no longer needed in the pressing operation.

The device of my invention is made of two main sections or members, in a manner that makes for strength, cheapness, and neatness, as will now be set forth.

One of these members is the bracket member B adapted to be affixed to one end of the board A, as for example, to its larger or wider end 1. Said bracket member may be made out of a piece of sheet steel or other similar sheet metal of suitable strength and size for the purpose intended, the same provided with a pair of vertically spaced plates, indicated by the top and bottom plates 2 and 3, respectively, whereby said end 1 of the board may be straddled between said plates when it is desired to attach said member B to said board. Said lower plate 3 is folded double intermediate its ends and bent downwardly therefrom at an angle to provide

the flange 4, and another flange 5 is formed from said plate, extending substantially parallel to the flange 4 and spaced a predetermined distance therefrom.

The flange 5 is provided with a transversely extending slot or opening 6 thereacross, adjacent the lower edge of said flange, for a purpose to be more clearly hereinafter defined, and one or more screws 7 may be used to fasten the bracket to the board, through said top plate 2.

The iron-receiving and supporting member C is arranged to cooperate with said bracket member B in order to support the pressing iron adjacent to the board, said member C preferably being formed of a sheet metal blank of suitable size, shape and strength.

Said member C may have an enlarged area to provide the iron-receiving platform 8 of a shape to amply accommodate the iron to be used, and one or more openings 9 may be made through said platform, to prevent overheating of the platform, and to prevent the accumulation of any moisture beneath the iron.

Extending downwardly from the edge of said platform closest said board end, is the portion 10, for a distance approximately equal to that of said slot from below the upper plate 2, said portion 10 thence extending substantially horizontally and sufficiently reduced in width so that it forms a tongue 11 of a size that may be slidably inserted through the slot 6, somewhat as shown.

Adjacent the free end of said tongue there is formed a hook 12, and a groove 13 is formed transversely of said tongue adjacent said hook, this groove adapted to receive and interlock with the edge of the flange 4 of the bracket member.

A reinforcing strut 14 is formed from the member C, for transmitting the load from the platform 8 to said tongue, as by bending said strut portion back upon itself so that it is in superimposed relation with the under side of that edge of the iron-receiving platform farthest from the ironing board, and if desired, may be spot-welded or otherwise secured in said assembled relationship, said edge of the platform being preferably elevated for this purpose, and also for the purpose of providing a backstop to limit movement of the iron in this direction. The lower end of said portion 14 may be similarly secured to the under side of said tongue 11, and may terminate to form a stop to additionally limit sliding movement of said member C inwardly relatively of the member B, as will now be described, said end of the strut abutting the flange 5 for this purpose.

When the device is in operative position, ready to receive and support the pressing iron its platform, the tongue of the member C is threaded through said slot 6 and the hook 12 is adjacent the flange 4 so that the latter is seated within the groove 13, so that the weight of the iron will be transmitted through said tongue to press the latter upwardly against the flange 4 and downwardly against the lower bounding edge of the slot 6. Obviously, the tongue and strut portions may be strengthened with the reinforcing side flanges and medial ribs, somewhat as indicated.

Depending from the lower plate 3 of the bracket member are a pair of resilient arms 15—15, extending to slightly below the lower edges of the flanges 4 and 5, the lowermost ends of said legs being brought toward one another so as to make the effective opening therebetween slightly less than the width of the tongue 11, and at a predetermined distance upwardly of said convergent ends said legs or arms are spread to form a guideway 16 therebetween, of a size to receive and accommodate the width of the tongue portion that passes therebetween, somewhat as shown. This guideway is approximately in horizontal registry with the slot.

To release the device from its operative to its inoperative position, the iron is taken from the platform and the member C shifted to the right as far as it will go, and which sliding movement terminates when the hook of the tongue engages in the portion of the flange 5 immediately beneath the slot. This position forms a hinged or pivotal connection of the element C with the bracket member B, so that said member C may now be swung downwardly on its pivotal axis, and brought upwardly past the yieldable pair of arms 15—15 to spring them sufficiently to permit said tongue to pass upwardly therebeyond and into the guideway 16, and with said tongue approximately abutting against the lower edge of the flange 4.

The member C will thus be retained out of the way beneath the board, in inoperative position until needed, and the board may be stored away with the device in place on the same. Now, when it is again needed, the board is set up, and the member C then manually released from the pair of spring clips or arms 15—15 by pressing downwardly on said member adjacent an innermost point of the same, continued movement of said member causing the same to swing about its pivotal axis until its tongue is approximately in horizontal registry with the guideway 16, whereupon a sliding movement inwardly against the adjacent end of the ironing board will shift the tongue through said guideway until the groove 13 receives the free edge of the flange 4, and the lower edge of the strut is substantially abutting the adjacent face of the flange 5.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the same without departing from the spirit of my invention; hence it is clear that I do not wish to be understood as limiting myself to the exact form, arrangement, construction and combination of parts as herein shown and described, except as limited by the state of the art to which this invention appertains and as defined by the claims hereunto appended.

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

1. In a device of the kind described, a bracket member for securement to one end of an ironing board and having a pair of flanges depending therefrom, and spaced apart longitudinally of said board, the flange closest said end of said board having a slot therethrough, and an iron-supporting member constantly carried by said bracket member and having a tongue extension slidable through said slot, said tongue having a hook end pivotally engageable with said slotted flange, the other of said pair of flanges acting as an abutment for said hook end so that the supporting member may be moved into operative position by sliding said tongue through said slot of the one flange until it snaps past and abuttingly engages the other flange, said supporting member being movable to inoperative position by sliding it in the reverse direction and swinging it end-for-end.

2. In a device for supporting a pressing iron from an ironing board, a member for securement to one end of said board, an iron-receiving and

supporting member slidably and pivotally substantially permanently carried by said first member for movement into and out of operative position, and a pair of spaced apart resilient arms fixed on said first member and engageably in the path of sliding and pivotal movement of the second member to provide resiliently separable guideways to engage said second member in its sliding movement and to provide a latch to engage said second member in its pivotal movement and releasably hold the latter in inoperative position.

3. In a device for supporting a pressing iron, a bracket member for attachment to one end of an ironing board, and an iron-receiving and supporting member cooperable with said bracket member, a pair of spaced flanges on said bracket member, one of said flanges having a transverse slot therethrough, a pair of resilient arms on said bracket member intermediate said flanges and having a guideway formed therebetween in registry with said slot, said iron-supporting member having a longitudinally extending tongue to be slidable through said slot and guideway and with a hook at the free end of the tongue, so that in operative position said tongue will be in said slot and abut said other flange, and in inoperative position will be reversed and with said hook in said slot.

EDWARD EICHELBERGER.

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