March 19, 1935. E. H. MacKENZIE 1,994,777

IRON HOLDER

Filed June 16, 1932

Fig. 1.

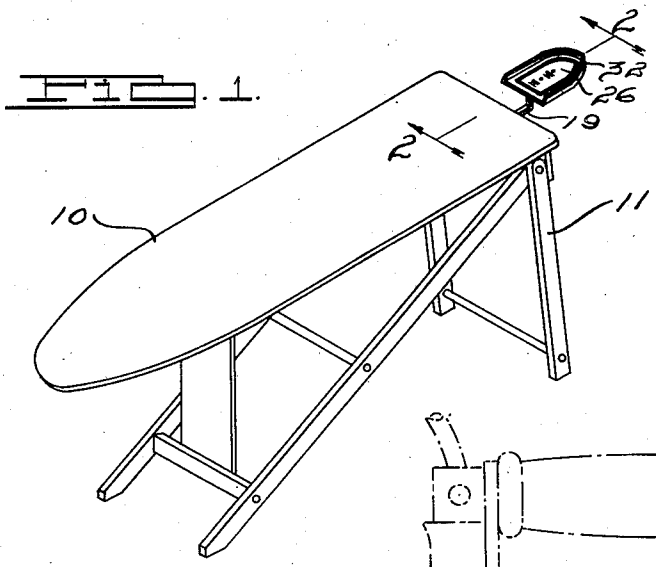


Fig. 2.

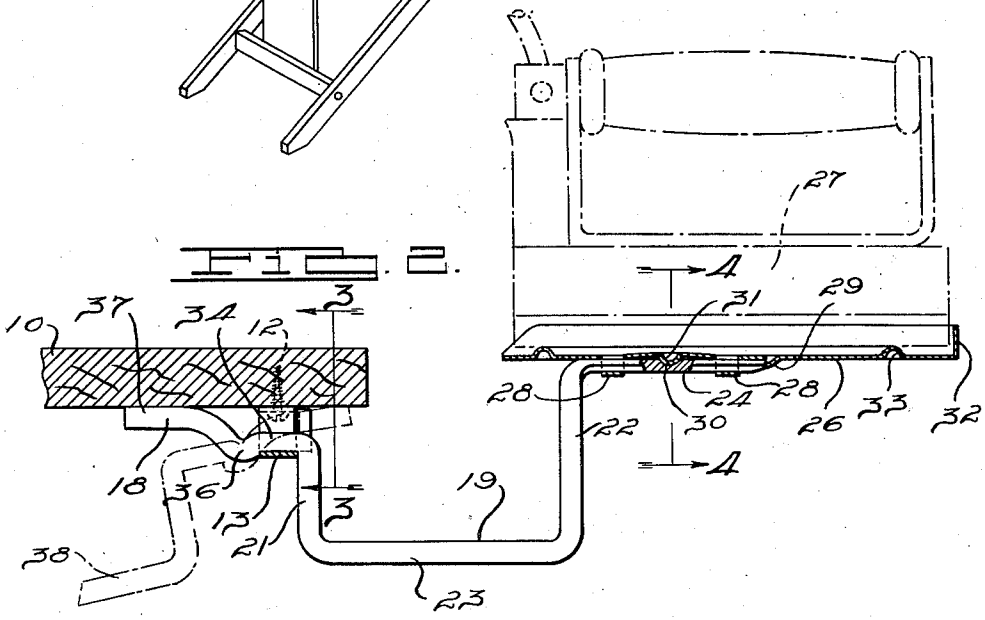


Fig. 3.

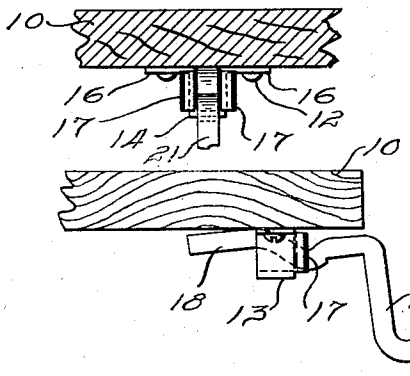


Fig. 4.

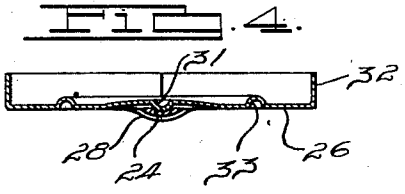


Fig. 5.

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6 Claims. (Cl. 68—10)

This invention relates to devices for holding excessively heated objects and relates particularly to a device detachably secured to an ironing board for holding a heated iron during periods when the latter is not being employed.

An object of the invention is to provide an iron holder which can be removably secured to an ironing board in such manner that when the ironing holder is in operative position, an iron can be conveniently removed from the ironing board to the holder without the necessity for lifting the iron above the height of the board on which it is being employed.

Another object of the invention is to provide an iron holder which can be detachably secured to an ironing board when the latter is being employed and thereafter removed from the board when the board is taken down and put away.

Another object of the invention is to provide a detachable iron holder having an operative and an inoperative position, such that the iron can be secured to the board in operative position to support an iron being employed therein and thereafter can be secured or attached to the board in inoperative position so that the latter can be folded up and put away until the next period of service.

The invention comprises generally an attaching clip and a support separable therefrom, adapted to be manufactured and sold at a relatively low cost to be applied to the ironing board of any purchaser. When the attaching clip is secured to the lower surface of a board the holder or support can be inserted therein whenever it is desired to use the ironing board and thereafter can be removed and either put away in a convenient place or attached to the ironing board in an inoperative position.

In the drawing:

Figure 1 is a perspective view of an ironing board having secured thereto an iron holder embracing the principles of the invention.

Figure 2 is a vertical sectional view through a portion of the ironing board and the holder and illustrating such elements substantially as they might appear in the plane of line 2—2 of Fig. 1.

Figure 3 is a fragmentary cross-sectional view of the board and holder taken substantially on the line 3—3 of Fig. 2.

Figure 4 is a transverse sectional view through the holder taken substantially in the plane of line 4—4 on Fig. 2.

Figure 5 is a fragmentary view of the board and holder illustrating an intermediate position of the holder during its removal from or attachment to the board.

Referring particularly to the drawing there is disclosed an ironing board 10 which may be covered with any suitable material and employed for ironing purposes either by supporting the board upon a table from a cabinet formed in a wall, or as illustrated, upon a collapsible frame 11. Secured by screws 12 in any desired region upon the lower surface of the board 12 is a holder attaching member or clip 13 consisting of a U-shaped part 14 from which projects lugs 16 for engagement by the screws 12.

The attaching member 13 is secured to the board in such manner that the opening within the U-shaped part 14 extends in perpendicular relation to the edge of the board 10. On the side of the clip 13 adjacent the edge of the board 10 there projects from the sides of the U-shaped part 14 a pair of oppositely angular guide portions 17 which assist in guiding into the attaching clip the supporting end 18 of an iron holding supporting bar 19.

Besides the supporting end 18, the supporting bar 19 embraces a spaced pair of vertically disposed portions 21 and 22 connected at their lower extremities by an intermediate portion 23. The upper end of the portion 22 merges in a laterally extending bar or tongue 24 adapted to engage the lower surface of a supporting base or plate 26 on which an iron such as that indicated at 27, in Fig. 2, is adapted to rest. It will be noted that the U-shaped character of the arm provided by the portions 21, 22 and 23 provides a space between the end of the ironing board and the iron supporting plate that will permit parts of the articles being ironed to extend downwardly between the edge of the board and the plate.

The plate is secured to the tongue 24 by means of a pair of struck out loops 28 engaging portions of the tongue adjacent the opposite ends thereof and by a stop 29 against the edge of which the end of the tongue 24 abuts. An intermediate portion of the tongue 24 is provided with a depression 29 in the upper surface thereof which is adapted to receive a laterally offset projection 31 formed in the plate.

The relation dimensions of the sections of the support 19 are such that the plate 24 is held substantially level with the upper surface of the board 10 when the holder is in operative position.

The shape of the plate 23 is similar to the shape of an iron with the pointed portion thereof in the present instance extending in a direction away from the ironing board 10. Around the

edges of the plate 26, remote from the board 10, there is formed a continuous flange 32 which provides a stop to insure the proper location of the iron upon the plate. The edge of the plate 26 adjacent the board 10 is without obstruction such as the retaining flanges in order that the iron may be conveniently moved from the ironing board to the plate 26 without substantially varying the elevation thereof.

Spaced from the outer edges of the plate 26 is an upwardly projecting bead 33 which is formed in the plate to limit the surface contact between the plate and iron and thus to decrease the heat exchanged between the two elements.

The attaching or supporting end 18 of the support 19 comprises a portion 34 adapted to extend inside of the U shaped part 14 and to contact along the lower edge thereof with the section of the U shaped portion intermediate the two sides thereof. Between such section and the end of the supporting or attaching end is an arcuate section 36 adapted to curve downwardly into a region slightly below the attaching member 13 when the holder is in operative position. Beyond such arcuate portion is a flat end portion 37 which engages the lower surface of the board and thus opposes the movement of the holder after the latter is secured within the attaching member 13.

In order to remove the holder from the board the plate or iron supporting end thereof is raised slightly until the arcuate portion 36 is capable of movement toward the opposite side of the attaching member and thereafter, merely by pulling the holder outwardly, the entire structure, other than the attaching member 13, may be removed from the board.

When so removed the holder and board each may be put away independently or by reversing the position of the holder relative to the attaching member 13 the holder may be secured beneath the ironing board with the supporting end thereof disposed in a position such as that indicated in dot and dash lines at 38 in Fig. 2.

Although the structure disclosed constitutes a preferred form and application of the invention, it will be understood that numerous other modified equivalent structures are within the scope of the invention as defined by the accompanying claims.

1. The combination with an ironing board, of an attaching member secured to the lower surface thereof, said attaching member having side portions disposed substantially perpendicularly to the outer extremity of said board, said side portions having angularly disposed guides projecting from the outer extremities thereof, and an iron holder removably secured within said attaching member for supporting an iron in the vicinity of said board.

2. An iron holder for attachment to a support such as an ironing board, comprising a sheet metal plate having an annular, integrally closed eye struck out below its under surface, and a single supporting arm projecting under and along the plate and into the eye, the eye and arm portion therein being non-circular in shape so as to prevent turning of the plate relative to and transversely of the arm and the latter being longitudinally slidable into the eye to readily permit assembly.

3. An iron holder for attachment to a support such as an ironing board, comprising a sheet metal plate having an eye struck out below its under side, a supporting arm having an elongated portion contacting with the under surface of the plate and projecting into the eye, and means for locking the arm against withdrawal from the eye, said means comprising a part of the plate depressed into a notch in the arm.

4. An iron holder for attachment to a support such as an ironing board, comprising a sheet metal plate having an annular, integrally closed eye struck out below its under surface, a single supporting arm slidably projecting under and along the plate and into the eye, the eye and arm portion therein being non-circular in shape so as to prevent turning of the plate relative to and transversely of the arm and the latter being longitudinally slidable into the eye to readily permit assembly, and means for locking the arm against sliding withdrawal from the eye.

5. An iron holder for attachment to a support such as an ironing board, comprising a sheet metal plate having an eye struck out below its under surface, a supporting arm projecting under and along the plate and into the eye, the eye and arm portions therein being non-circular in shape so as to prevent turning of the plate relative to and transversely of the arm, and means for locking the arm against withdrawal from the eye, said means comprising a part of the plate depressed into a notch in the arm.

6. The combination with an ironing board or the like, of a U-shaped bracket secured to the under surface of the board, an iron supporting arm extending through the bracket and engaging the base of the board inwardly thereof, and means comprising downwardly extending portions of the arm on opposite sides of the base of the bracket adapted to hold the arm in place and prevent longitudinal withdrawal thereof from the bracket except when the arm is lifted from the base of the bracket.

EDNA H. MacKENZIE.