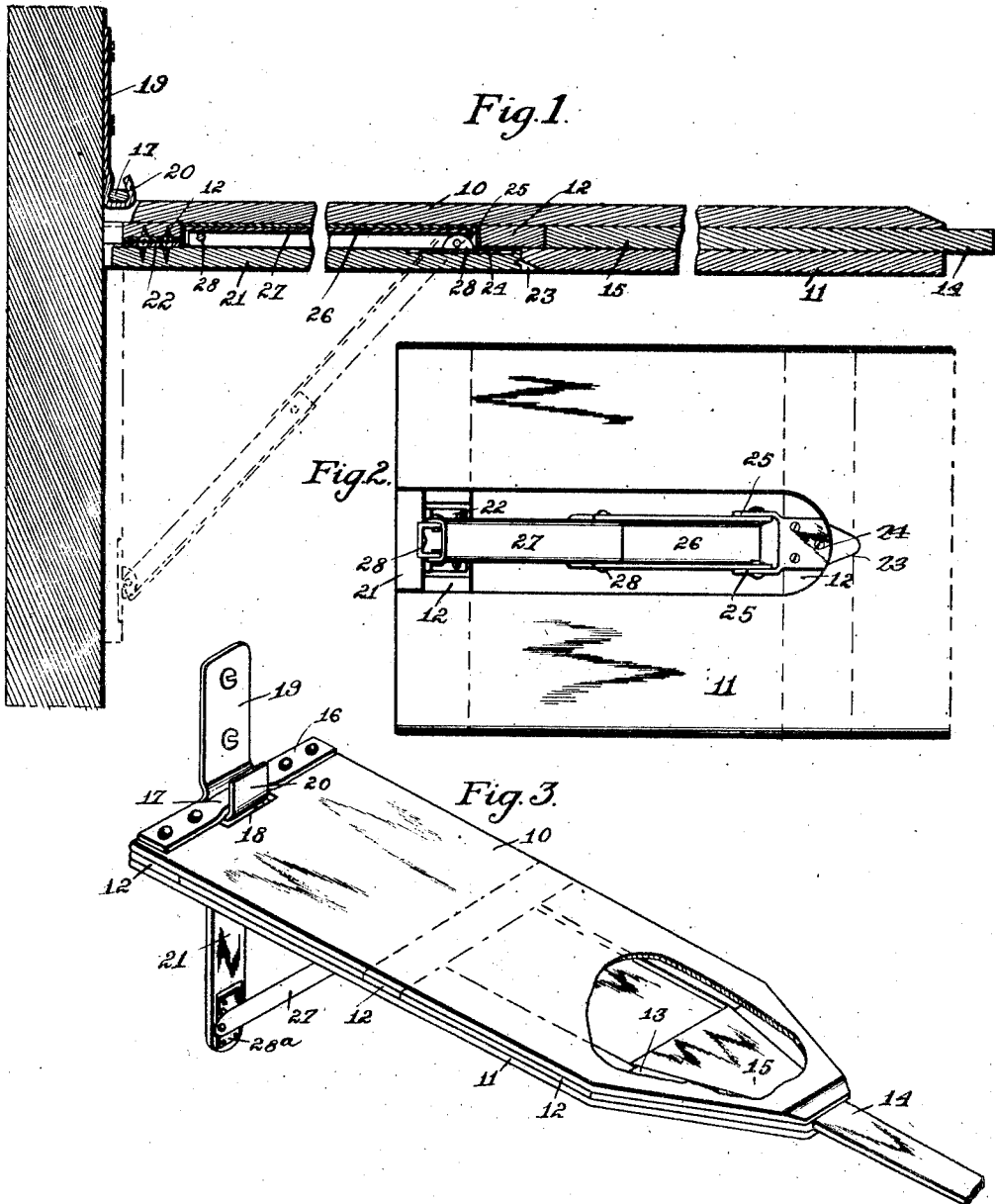


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IRONING BOARD.

APPLICATION FILED JAN. 24, 1910.

1,034,021.

Patented July 30, 1912.



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UNITED STATES PATENT OFFICE.

HIRAM MENDENHALL AND ALBERT T. KILLINGER, OF AUDUBON, IOWA.

IRONING-BOARD.

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Specification of Letters Patent.

Patented July 30, 1912.

Application filed January 24, 1910. Serial No. 539,855.

To all whom it may concern:

Be it known that we, HIRAM MENDENHALL and ALBERT T. KILLINGER, citizens of the United States, residing at Audubon, in the county of Audubon and State of Iowa, have invented a certain new and useful Ironing-Board, of which the following is a specification.

The object of our invention is to provide an ironing board of simple, durable and inexpensive construction provided with a slidable extension normally housed when not in use, but capable of being withdrawn when required for use as an ironing-board.

A further object is to provide means whereby the ironing board may be readily, quickly and easily attached to and detached from a support such, for instance, as a wall and when in position supported against a wall it will be firmly and securely held to sustain any ordinary amount of weight that may be placed on its outer end.

A further object is to provide an improved folding brace support for ironing boards of simple, durable and inexpensive construction that may be folded within a space contained wholly within the outlines of the ironing board proper and which may be readily, quickly and easily extended to form a brace when in use.

Our invention consists in certain details, in the construction, arrangement and combination of the various parts of the device whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in our claims, and illustrated in the accompanying drawings, in which:

Figure 1 shows a central, longitudinal, sectional view through our improved ironing board in position supported on a wall with the supporting brace in its folded position, the dotted lines in said figure show the supporting brace in its extended position. Fig. 2 shows an inverted plan view of the rear end of the ironing board, with the supporting brace in extended position. Fig. 3 shows a perspective view of the ironing-board, with the brace in extended position and with a part of the top of the board cut away to show certain details of the construction of the slidable extension.

Referring to the accompanying drawings, we have used the reference numeral 10 to indicate the top layer of the ironing board. This is of the ordinary shape now in general use but it is made relatively thin

The numeral 11 indicates the bottom layer for the ironing board of the same outline as the upper layer and also made relatively thin. Between these two layers is a number of longitudinal and cross filling strips 12 for the purpose of strengthening and reinforcing the ironing board and also for the purpose of providing space for the slidable extension, and the folding support as will hereinafter appear. Two of the longitudinal filling strips 12 are arranged parallel with each other to a point where they approach the outer end of the board and beyond that point they incline inwardly toward each other at 13 as shown in Fig. 3.

The slidable extension comprises a board 14 of the shape ordinarily used for ironing sleeves and similar articles, and has its inner end wedge-shaped to conform to the inward inclination of the longitudinal filling-strips, as indicated in Fig. 3, so that said board may freely slide between the upper and lower layers of the ironing board and also between the filling strips 12. However when the slidable extension is moved to its forward limit, as shown in said figure, then the inclined sides 15 of the extension will fit against the inclined sides 13 of the filling strips 12 and thus limit the outward movement of the slidable extension. When said slidable extension is moved rearwardly to its limit it will project only a slight distance beyond the end of the ironing board proper as shown in Fig. 1 where it may be readily and easily grasped by an operator to be drawn out as required for use.

In order to support the board against a wall, we have provided at the rear upper end thereof a metal cross bar 16 having an oval shaped central portion 17. A notch 18 is formed in the ironing board below the central portion of said cross bar. We have also provided a support hook made of sheet metal and comprising a body portion 19 having a hook at its lower end extending outwardly and then upwardly and inwardly, as indicated by the numeral 20, so that when the ironing board is extended to a substantially horizontal position, as shown in Fig. 1, the cross bar will be prevented from moving upwardly on account of the restricted entrance between the body and the upper end of said hook, as shown in said figure.

For the purpose of bracing the ironing board in its horizontal position we have provided the following devices: In the rear

portion of the under layer 11 of the ironing board, we have formed a longitudinal opening and we have fitted into said opening a brace member 21 which brace member is connected by a suitable hinge 22 with the rear cross strip 12. The forward end of said brace member is designed to rest against the under surface of the central cross strip 12 as clearly shown in Fig. 1. A notch 23 is formed in the bottom layer 11 adjacent to the outer end of the part 21 to receive an operator's finger for grasping the forward end of said brace member. We have also provided a collapsible brace member made of two parts hinged together and comprising the following: Fixed to the central cross piece 12 is a bracket 24 having two side extensions 25. Pivoted between these extensions 25 is a channel bar 26 arranged with its open side downwardly. Pivoted to the end of the bar 26 is a second channel bar 27 smaller in size than the channel bar 26 and arranged with its open side upwardly. These channel bars 26 and 27 are pivotally connected by means of the pivot pin 28. Connected with the supporting brace member 21 is a bracket 28^a to which the end of the bar 27 is pivoted. By arranging the two channel bar members 26 and 27 in the manner shown they may be folded upwardly with the channel bar 27 resting within the channel bar 26 as shown in Fig. 1 so that said members 26 and 27 may lie wholly within the space between the upper and lower layers of the ironing board and so that the brace member 21 may fold upwardly to the position shown in Fig. 1. When it is desired to support the ironing board in a horizontal position the operator grasps the forward end of the brace member 21 and swings it downwardly to the position shown by dotted lines in Fig. 1 thus unfolding the channel bar members 26 and 27 until they assume the position shown by dotted lines in Fig. 1, whereupon they, together with the brace member 21, firmly and securely support the outer end of the ironing board against downward movement.

We claim as our invention:

1. An improved ironing board, comprising an upper and a lower layer, strips between the upper and lower layers, the lower

layer being provided with an opening, means for connecting the inner end of the board to a vertical support and a brace device comprising a brace member being capable, in its folded position, of lying within the opening in the lower layer and also being capable of folding downwardly to position at right angles to the board, and a second brace member comprising two channel bars pivoted to each other, the upper one being pivoted to the ironing board and the lower one being pivoted to the first mentioned brace member, said parts being so shaped that one of said channel bars may fold within the other and occupy the space between the upper and lower layers of the ironing board, for the purposes stated.

2. An improved ironing board, comprising an upper and a lower layer, strips between the upper and lower layers, the lower layer being provided with an opening, means for connecting the inner end of the board to a vertical support and a brace device, comprising a brace member hinged to one of the central strips between the upper and lower layers of the board, said brace member being capable, in its folded position of lying within the opening in the lower layer and also being capable of folding downwardly to position at right angles to the board, and a second brace member comprising two channel bars pivoted to each other, the upper one being pivoted to the ironing board and the lower one being pivoted to the first mentioned brace member, said parts being so shaped that one of said channel bars may fold within the other and occupy the space between the upper and lower layers of the ironing board, the upper one of said channel bars having its open side underneath, and the lower one of said channel bars having its lower side uppermost and being of a smaller size than the first one so that it may fold within the first one, substantially as and for the purposes stated.

Des Moines, Iowa, Jan. 7, 1910.

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