April 28, 1931. B. BRYAN 1,803,167

IRONING BOARD

Filed Dec. 4, 1929 3 Sheets-Sheet 1

Fig. 1.

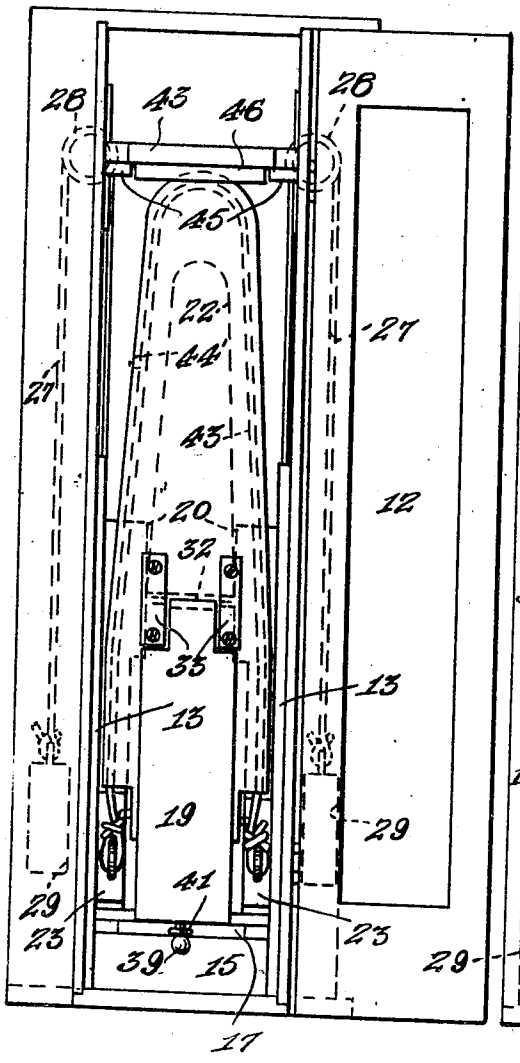
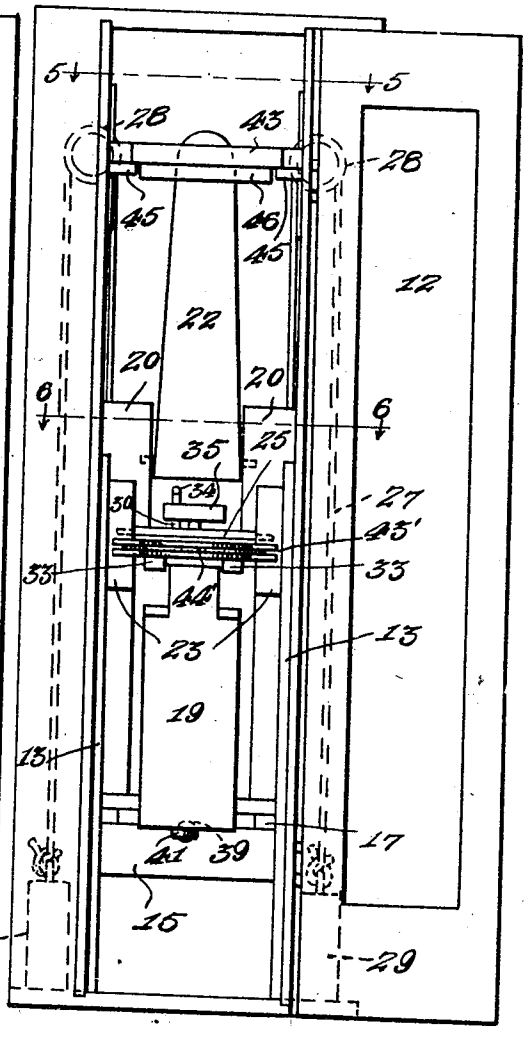


Fig. 2.



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Fig. 3.

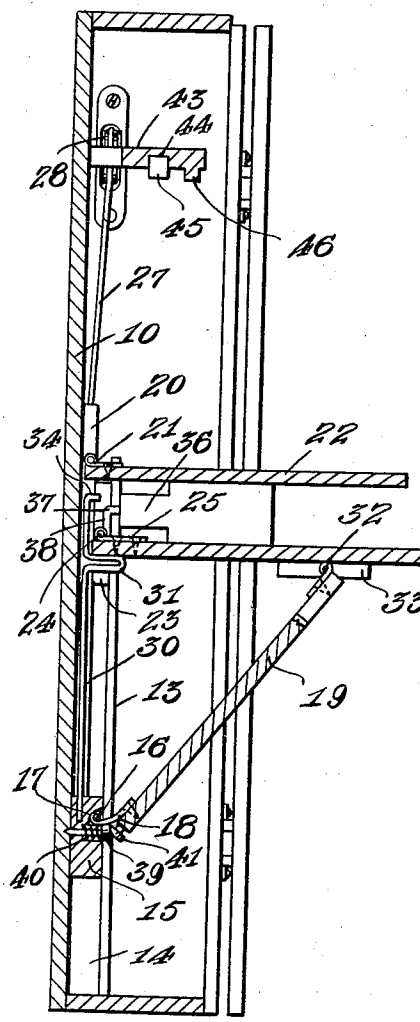
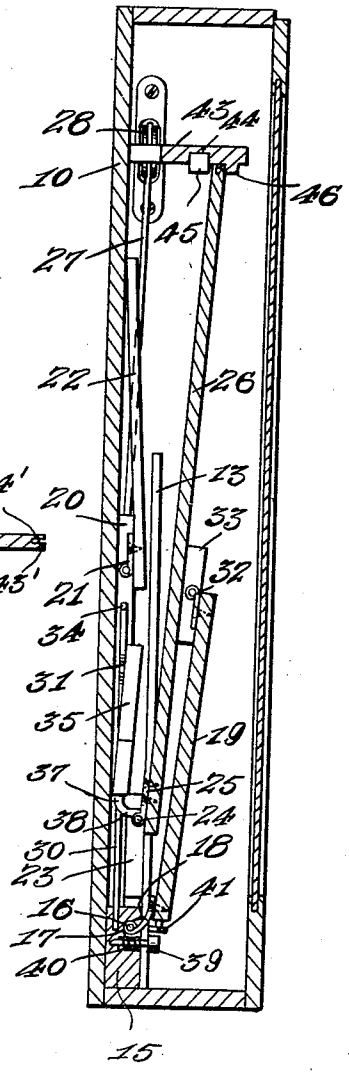


Fig. 4.



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Fig. 5.

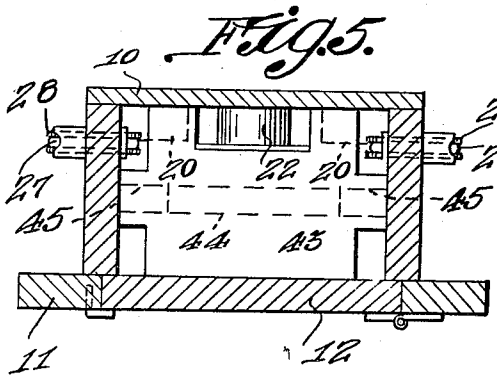


Fig. 6.

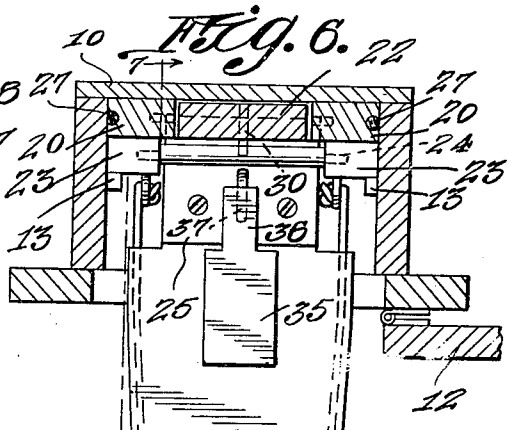
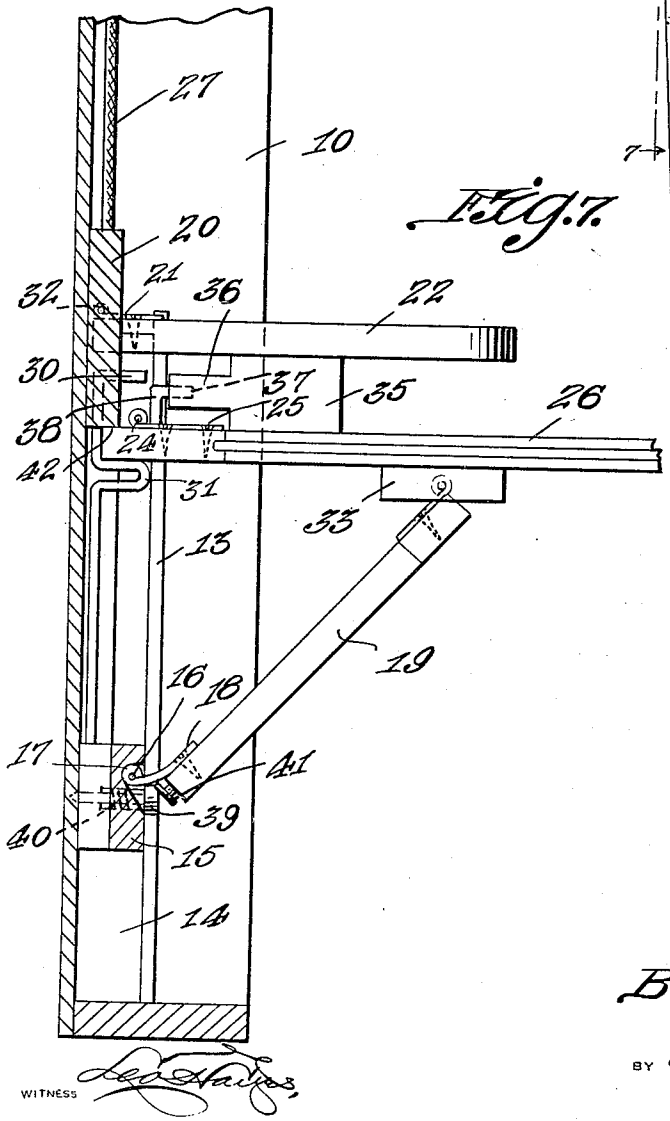


Fig. 7.



WITNESS

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Patented Apr. 28, 1931 1,803,167

UNITED STATES PATENT OFFICE

BERT BRYAN, OF LA FAYETTE, INDIANA

IRONING BOARD

Application filed December 4, 1929. Serial No. 411,594.

This invention relates to certain new and useful improvements in sleeve and ironing boards of the type swingably mounted within a cabinet therefor.

Another object of the invention embodies a slide mounting for the boards within the cabinet.

An additional object of the invention consists of a holding element designed for engagement with the boards to retain same retracted within the cabinet.

An additional object of the invention contemplates the provision and arrangement of a brace member having swinging connection at its ends with the slide mounting and board.

Another of the principal objects of the invention primarily resides in the mounting of a spacing element upon the board proper to maintain the sleeve board in position for use.

More specifically stated the slide mounting is provided with a locking element operable in conjunction with the brace member to maintain either of the boards at a desired height.

With the above and other objects in view, the invention further consists of the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings:—

Figure 1 is a front elevation of the present invention showing the ironing board and sleeve board retracted or folded within the cabinet.

Figure 2 is a view similar to Figure 1 with the ironing board proper extended for use.

Figure 3 is a longitudinal sectional view taken through the invention with the sleeve and ironing boards extended.

Figure 4 is a view similar to Figure 3 with the door closed and the boards retracted within the cabinet.

Figure 5 is a horizontal sectional view taken on line 5—5 of Figure 2.

Figure 6 is a horizontal sectional view taken on line 6—6 of Figure 2.

Figure 7 is a sectional view taken on line 7—7 of Figure 6.

Referring to the drawings in detail wherein like characters of reference denote corresponding parts, the reference character 10 indicates generally a form of cabinet of elongated formation and of the type generally built into wall structures and which includes trim 11 and a hingedly mounted closure 12.

Guide strips 13 extending for appreciable distances upwardly within the cabinet upon the inner sides of the side walls therefor and in spaced parallelism to the rear wall define channels 14 therebetween, the purposes and advantages of which will be presently apparent. Slides, such as indicated at 15, of block formation mounted for vertical sliding movement within the channels 14 receive the horizontally projecting ends of a pivot pin 16 passed through the barrel 17 of a hinge plate 18 mounted upon the upper side and adjacent the lowermost end of a brace member 19. Supporting members 20 upwardly projecting within the channels 14 and against the rear wall of the cabinet also accommodate the ends of a hinge barrel pin 21 employed for swingingly mounting the sleeve board 22 within the cabinet. Block members 23 carried upon the outer faces of the supporting members 20 accommodate the hinge pin 24 passed through a hinge plate 25 for the ironing board proper designated as at 26. Sash cords 27 having connection with the uppermost ends of the members 20 and passed over pulley wheels 28 carried upon the sides of the cabinet are connected at their opposite ends in any suitable manner with sash or counter-balancing weights, indicated at 29, to facilitate ease in the raising and lowering of the boards having the mountings therefor vertically shifting within the channels 14.

A rod member 30, rotatably mounted within a socket in the upper end of the slide 15, forms a shoulder portion 31 horizontally projecting adjacent the uppermost end thereof for engagement with the under side of the ironing board 26 when the latter is extended for use.

The opposite end of the brace member 19 is hingedly connected, as at 32, to blocks 33 arranged at spaced intervals beneath the inner side of the ironing board. The rod member 30 may be swung into and out of position

by grasping the handle portion 34 upon the uppermost end thereof and twisting same for a quarter turn in either direction.

The combined spacing and supporting element mentioned in the foregoing comprises an element 35 having a reduced extension 36 upon the innermost end thereof and having swivel connection with the uppermost offset extremity 37 of a standard 38 carried upon the hinged plate 25 for the ironing board 26 and from which said element may be swung to occupy the positions shown in Figures 2 and 3 of the drawings.

As best shown in Figures 3, 4 and 7 of the drawings, a locking pin 39 carried by the slides 15 carry compression springs 40 to normally dispose same in the Figure 4 position. The outermost ends or heads of these locking pins are engaged by headed studs 41 carried upon the lowermost projecting end of the brace member 19 when the board 26 is disposed in a horizontal plane.

The innermost pointed extremities of the locking pins 29 will bitingly engage the adjacent surface of the rear wall of the cabinet and maintain the board 26 in a horizontal plane and at the height desired for the particular user. It is to be noted that in the sliding movement of the entire structure that the standards 30 will be elevated therewith whereby the shoulder portions 31 thereon will adequately support the adjacent portion of the board 26 and relieve strain from the hinge pin 24 therefor. The supporting members 20 are undercut upon the innermost side edges thereof to provide shoulders 42 to engage a reduced extension formed upon the innermost end of the ironing board 26 beneath the hinge plate 25 thereof. Said shoulder portions 42 will cooperate with the shoulder portions 31 upon the standards 30 in the proper maintenance of the board.

A plate member 43 having a longitudinal horizontally disposed groove 44 in the under side thereof is designed to accommodate appropriate portions of projections 45 inwardly disposed from the side walls of the cabinet. The innermost side edge of the plate 43 is cut away to provide a slot or opening 45 within which an appropriate portion of the sleeve board 22 may be projected in the manner suggested in Figure 2 of the drawings. A ledge or dependency indicated as at 46 and disposed upon the under side of the plate member 43 is designed to engage the under surface of the ironing board 26 to restrict outward swinging movement of the latter subsequent to the disposition of same in Figure 4 of the drawings.

As a matter of convenience to the user and to afford an easy and expeditious method of applying covers and padding upon the working face of the ironing board, it is my purpose to provide grooves or channels 43′ upon the sides and outermost end of the board and within which appropriate portions of the cover and padding may be disposed and retained by a length of cord, rope or other material, such as indicated at 44′, the latter having connection at the extremities thereof within the openings of screw eyes 45 carried upon the members 23. Said extremities of the cord or rope are knotted and the screw eyes may then be rotated for anchorage whereby the rope or cord will be tightened and the covering and padding will be stretched tightly across the working face of the board.

The invention is susceptible of various changes in its form, proportions and minor details of construction, and the right is herein reserved to make such changes as properly fall within the scope of the appended claims.

Having thus described the invention, what is claimed is:—

1. A device of the character described comprising a cabinet having guide channels within the opposed sides thereof, spaced slides vertically movable within said channels, a board swingably mounted upon one of the slides, a brace member for the board connected with the other slide, a locking element cooperating with the brace member and second mentioned slide to maintain the board in position for use when the latter is swung to horizontal position outwardly through the cabinet, a standard carried by and operable in conjunction with the slides, a shoulder portion formed upon the standard, and the board having one end thereof interposed between the first mentioned slide and shoulder portion.

2. A device of the character described comprising a cabinet having guide channels within the opposed sides thereof, upper and lower spaced slides vertically movable within said channels a board swingably mounted upon the upper slide, a brace member for the board swingably connected with the lower slide, a locking element carried by the lower slide having biting engagement with the cabinet when the brace member is shifted for active use, a standard swingably supported between the slides, a shoulder portion upon the standard, and the board having the swingably connected end thereof interposed between the upper slide and shoulder portion.

In testimony whereof I affix my signature.

BERT BRYAN.