

Nov. 15, 1932.

O. JUVET

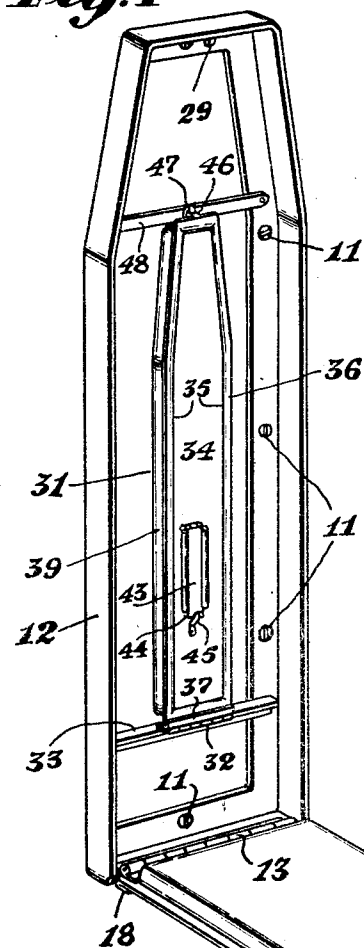
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CABINET IRONING BOARD

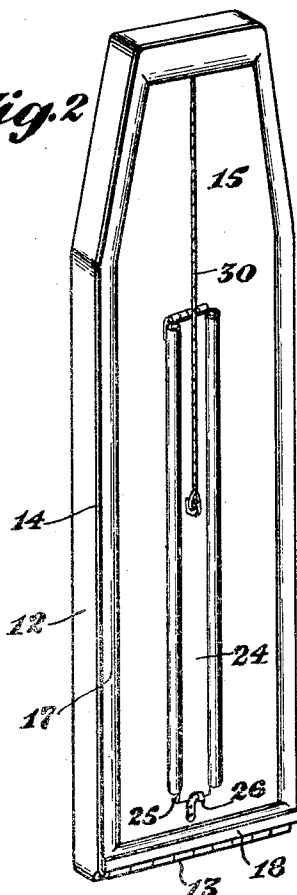
Original Filed March 7, 1928

2 Sheets-Sheet 1

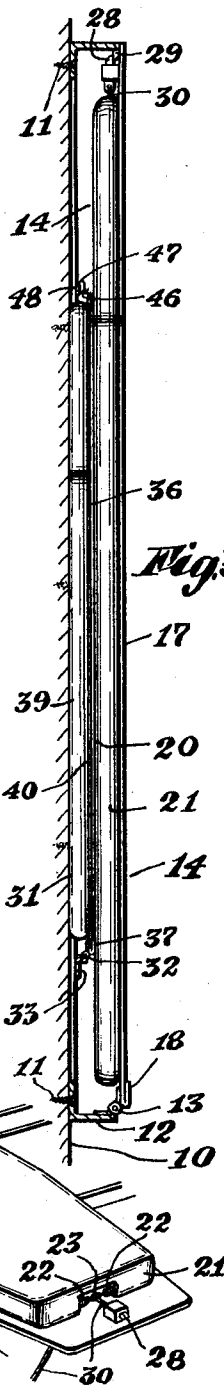
*Fig. 1*



*Fig. 2*



*Fig. 3*



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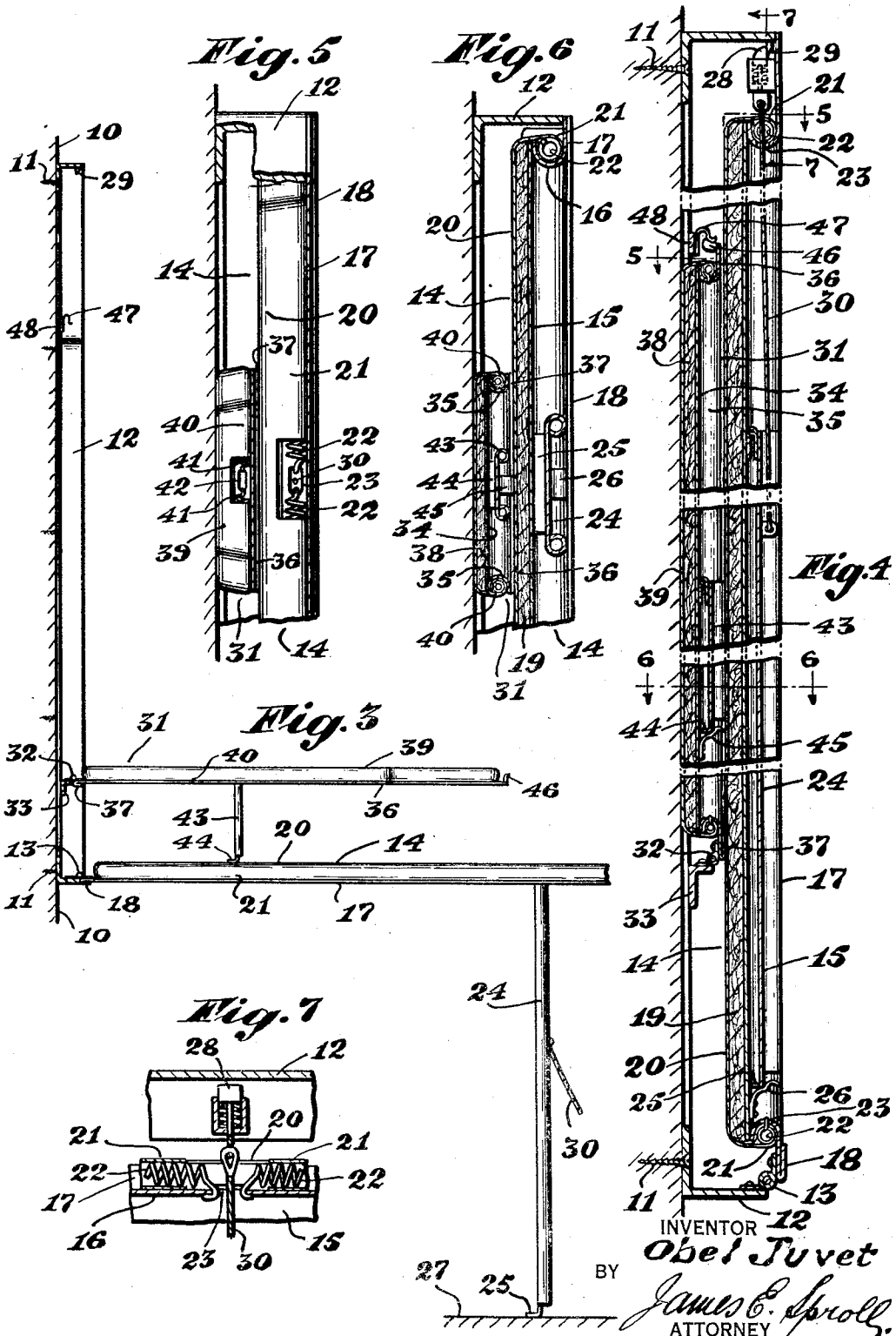
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Original Filed March 7, 1928 2 Sheets-Sheet 2



## UNITED STATES PATENT OFFICE

OBEL JUVET, OF FERNDALE, WASHINGTON

## CABINET IRONING BOARD

Original application filed March 7, 1928, Serial No. 259,787. Divided and this application filed May 15, 1929.  
Serial No. 363,242.

This invention relates to improvements in cabinet ironing boards and aims primarily to provide a cabinet ironing board embodying a novel interconnected locking and foldable support means, whereby the ironing board is locked to the cabinet and functions as the closure or door therefor when not in use and is unlocked coincidentally with the unfolding of said support means to support the ironing board when in use, the subject matter of the present application being a division of my prior application, filed March 7, 1928; Serial No. 259,787.

Contemplated by the present invention is a metallic cabinet ironing board embodying a substantially rectangular wall frame or cabinet fabricated from angle iron, or other suitable metal of angular cross-section; a substantially rectangular sheet metal ironing board hingedly connected to said frame having a perimetral groove formed thereon and provided with a pad and cover, said cover having its edges restrainingly engaged within said perimetral groove; means for interlocking the frame and ironing board in closed relation; foldable support means mounted upon the ironing board and interconnected with said interlocking means, whereby releasing of the latter is coincidentally effected with the unfolding of said support means to support the ironing board in operative position; a substantially rectangular sheet metal sleeve ironing board hingedly mounted and foldable within the cabinet having a perimetral groove, pad and cover similar to the ironing board; means for restrainingly engaging the sleeve board when folded; and foldable support means mounted upon the sleeve board for supporting same upon the ironing board when in use, all of which are important features of the invention and are to be correlated in the broad aim of enhancing the efficiency of the cabinet ironing board for general use.

The above, and additional objects which will hereinafter be more specifically treated are attained by such means as are shown in the accompanying drawings, described in the following specification and then more clearly pointed out in the claims, which are append-

ed hereto and form a part of this application.

With reference to the drawings, in which there is illustrated one embodiment of the invention, and throughout the several views of which like characters of reference designate similar parts:

Figure 1 is a perspective view of a cabinet ironing board comprehended by the present invention, as it would appear when open, with its ironing board lowered ready for use and its sleeve board elevated.

Fig. 2 is a similar view of the same closed.

Fig. 3 is a vertical transverse section of the cabinet in an open position with the sleeve board lowered ready for use.

Fig. 4 is a medial vertical transverse section of the cabinet ironing board in a closed position, certain parts being broken away or omitted for clarity of illustration.

Figs. 5 and 6 are fragmentary horizontal sections taken through 5—5 and 6—6, respectively, of Fig. 4.

Fig. 7 is a fragmentary vertical section taken through 7—7 of Fig. 4.

Beginning the more detailed description of the invention by reference to the drawings, the numeral 10 designates a wall to which is detachably secured, as by screws 11, a substantially rectangular metallic cabinet frame 12 slightly convergent at its upper end and preferably fabricated from angle iron, or any other suitable metal of angular cross-section.

Connected to the lower end of the frame 12 adjacent its forward edge, as by a hinge 13, is the lower or inner end of an ironing board 14, comprising a substantially rectangular sheet metal plate 15 slightly convergent at its upper or outer end having a perimetral semi-circular groove 16 formed thereon, said plate being of lesser length and width than the frame or cabinet 12, whereby the ironing board when not in use may be readily folded therein, as more clearly illustrated in Figs. 4 and 6. While the perimetral groove 16 may be otherwise formed upon the plate 15, the same it preferably fabricated by stamping a substantially rectangular frame 17 from sheet metal with a slightly convergent upper or outer end, arcuately bending or curling its inner edges inwardly upon themselves in semi-cir-

cular formation to form the groove 16 and rigidly securing such inner edges to the edges and outer side of the plate 15, as by spot-welding the same thereto. The frame 17 at its lower end is rigidly attached, in an obvious manner, to the outer half of the hinge 13, and for this purpose the material of such frame is bent or doubled upon itself, as indicated at 18, to thereby reinforce the same thereat and provide a surface of suitable area for abutting the outer edge of the lower wall of the frame 12 when the ironing board is in use, as will be manifest and apparent by referring to Fig. 1. The frame 17 is of substantially the same width and length as the frame 12, so that the side and upper edge portions of the former function as a perimetral flange for abutting the edges of the side and upper end walls of the latter, when the ironing board 14 is not in use and the cabinet is closed, as more clearly shown in Figs. 2 and 4, inclusive, whereby a dust tight cabinet ironing board is provided.

The numeral 19 designates an ironing board pad mounted upon the inner side of the plate 15, said pad being of substantially the same size and shape as said plate and being fabricated from felt, or other suitable material. The pad 19 is normally retained in an operative position upon the plate 15 by an ironing board cover 20, fabricated from cloth or the like, and designed to snugly fit thereover, with its edges restrainingly engaged within the perimetral groove 16, and for this purpose said edges are provided with casings 21, which extend along the sides and around the ends of the cover and terminate in spaced symmetrical relation to the longitudinal axis of the same. Helical tension springs 22 extend through the casings 21 with their terminals projecting therefrom for engagement within apertures 23 medially formed within the end wall portions of the groove 16, as indicated more clearly in Fig. 7.

Hingedly connected to the outer side of the plate 15 adjacent the outer end thereof and in medial relation thereon is a foldable supporting leg 24, preferably fabricated from a strip of sheet metal having its side edges curled upon themselves to reinforce or stiffen the leg, the material of which at its lower end is angularly and inwardly bent to form a foot 25 therefor. When the iron-board 14 is not in use, the leg 24 is folded thereon, as shown in Figs. 2 and 4, with its foot 25 abutting the plate 15, and is maintained and retained in folded relation upon such ironing board by a curvilinear spring or resilient member 26 fixedly secured at its lower end to the plate 15 and at its upper arcuate end restrainingly engages the lower end of the folded leg. When the ironing board 14 is in use the leg 24 is disengaged from the spring 26 and is unfolded to support the outer end portion of said ironing board, substantially in the manner indicated in Fig. 3, at which

time the foot 25 rests upon or contacts with a supporting surface or floor 27.

The numeral 28 designates a spring pressed catch mounted upon the inner side and upper end of the frame 17 for engagement with a lug 29 formed upon the inner side of the upper end wall of the cabinet frame 12 adjacent its outer edge, whereby the ironing board 14 and the cabinet frame 12 are interlocked in closed relation, when said ironing board is not in use. To facilitate and expedite the disengagement of the catch 28 from the lug 29 and to coincidentally effect the release of the same when the leg 24 is unfolded, said catch is interconnected with said leg by a cord or flexible wire 30, the lower end portion of which is within easy and convenient reach of the operator. To open or lower the ironing board 14, the operator grasps the cord 30 in one hand and exerts an outward pull thereon, simultaneously releasing the lower end of the leg 24 from engagement with the resilient member 26 with the other hand, which action releases the catch 28 from the lug 29 and unfolds the leg 24, as will be manifest and apparent by referring to Figs. 2 and 4.

A sleeve ironing board 31 foldable within the cabinet frame 12 is connected at its lower end, as by a hinge 32, to a transversely disposed supporting angle iron or bar 33, rigidly secured at its terminals to the sides of the frame 12 adjacent the lower end thereof, said sleeve board 31 comprising a substantially rectangular and relatively light sheet metal plate 34, slightly convergent at its upper or outer end and having a semi-circular perimetral groove 35, which latter is preferably fabricated by stamping a substantially rectangular frame 36 from relatively light sheet metal, said frame having a slightly convergent upper or outer end conforming with the convergent end of the plate 34, and having its inner side and end edges curled upon themselves in semi-circular formation to provide the perimetral groove 35, which edges are rigidly secured to the edges and outer side of the plate 34 by spot-welding the same thereto. The material of the frame 36 at its lower end is bent or doubled upon itself, as indicated at 37, to thereby reinforce the same at its point of connection with the hinge 32 and provide a suitable bearing surface thereat for abutting the flange of the angle iron 33 when the sleeve board is in use.

The numeral 38 designates a pad of felt, or the like, which is mounted upon the inner side or face of the plate 34, and is of substantially the same size and shape of such plate, said pad being normally maintained in operative position thereon by a cover 39 of cloth, or other suitable material, designed to snugly fit thereover, with its edges restrainingly engaged within the perimetral groove 35, which edges are provided with

casings 40 extending along the sides and around the ends of the cover and terminating in spaced symmetrical relation to the longitudinal axis of the same. Helical tension springs 41 extend through the casings 40 with their terminals projecting therefrom for engagement within apertures 42 medially formed within the end wall portions of the perimetral groove 35.

Hingedly connected to the outer side of the plate 34 substantially midway the length thereof and in medial relation thereon is a foldable supporting leg 43, preferably fabricated from a strip of relatively light sheet metal having its side edges curled upon themselves to reinforce and stiffen the leg, the material of which at its lower end is angularly and inwardly bent to form a foot 44 therefor. When the sleeve board 31 is not in use, the leg 43 is folded thereon, as shown in Figs. 1, 4 and 6, with its foot 44 in abutment with the plate 34 and is maintained and retained in folded relation upon such sleeve board by a curvilinear spring or resilient member 45 rigidly secured at its lower end to the plate 34 and at its upper arcuate end restrainingly engages the lower end of the folded leg. When the sleeve board 31 is in use the leg 43 is disengaged from the spring member 45 and is unfolded to support such sleeve board upon the ironing board 14, substantially in the manner illustrated in Fig. 3, wherein the foot 44 is shown as resting upon the ironing board 14.

Rigidly secured to the upper end and inner side of the frame 36 is an inwardly extending lug or hook 46 restrainingly engaged when the sleeve board 31 is not in use, by the outer free terminal of a curvilinear spring or resilient member 47 rigidly secured at its opposite terminal to a bar 48 similarly secured at its ends to the sides of the cabinet frame 12 adjacent the upper end thereof, whereby said sleeve board is positively maintained and retained in a folded position within said cabinet frame when not required.

Wherefore, it will be manifest and apparent that the interconnected ironing board locking and foldable support means of the present invention is extremely simple, durable, compact, and economical in construction, is reliable and efficient in use and operation, is readily accessible, and functions to effect unlocking of the ironing board from the cabinet simultaneously with the unfolding of the foldable support means.

While I have herein shown and described the invention with sufficient detail to enable those skilled in the art to which it pertains to understand the mode of construction and the principles involved, it is to be understood that there is no intentional limitation herein to the specific form and precise details of construction shown and described, except as expressly defined by the appended claims,

and that various modifications of the same may be resorted to without departing from the spirit of the invention or the benefits derivable therefrom. It is also to be understood that certain features of the invention herein disclosed may be employed in other combinations than those shown and described.

What I claim as my invention, and desire to secure by Letters Patent is:—

1. In combination, a cabinet attachable to a wall, an ironing board hingedly connected thereto and constituting a closure therefor, means for locking the cabinet and ironing board in closed relation, foldable support means connected to said ironing board for supporting the latter when in an open position, and means interconnecting said locking means and said support means for coincidentally releasing the locking means and unfolding the support means.

2. In combination, a cabinet attachable to a wall, an ironing board hingedly connected thereto and constituting a closure therefor, means for locking the cabinet and ironing board in closed relation, foldable support means hinged to the outer end portion of said ironing board for supporting the same when in an open position, and flexible means interconnecting said locking means and said support means for coincidentally releasing the locking means and unfolding the support means.

In testimony whereof I affix my signature.  
OBEL JUVET.

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