No. 876,857. PATENTED JAN. 14, 1908.

F. M. BUGBEE.

IRONING BOARD.

APPLICATION FILED MAY 23, 1906.

Fig. 1.

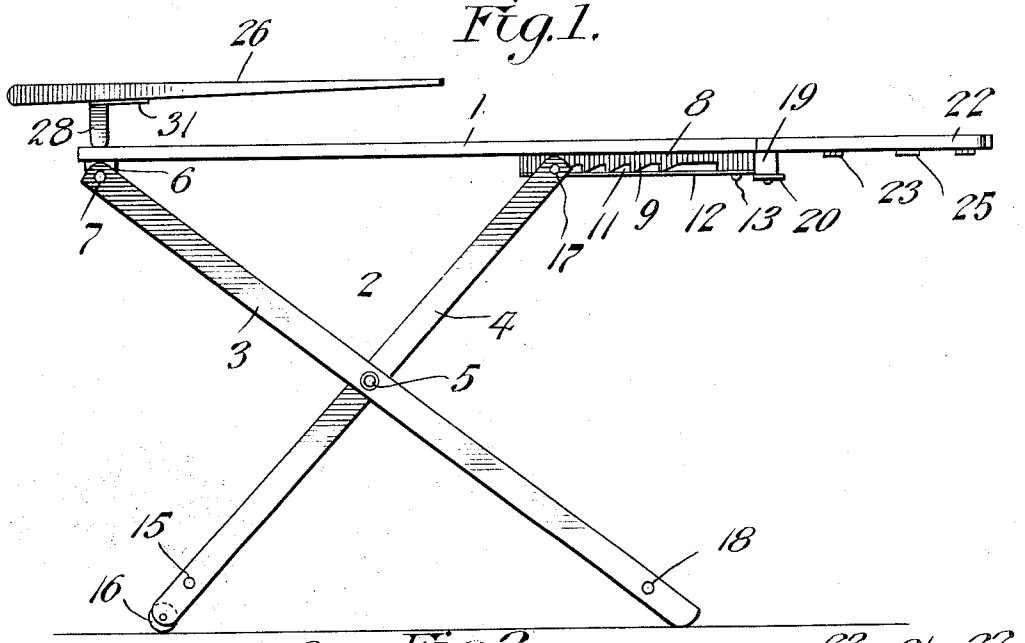


Fig. 2.

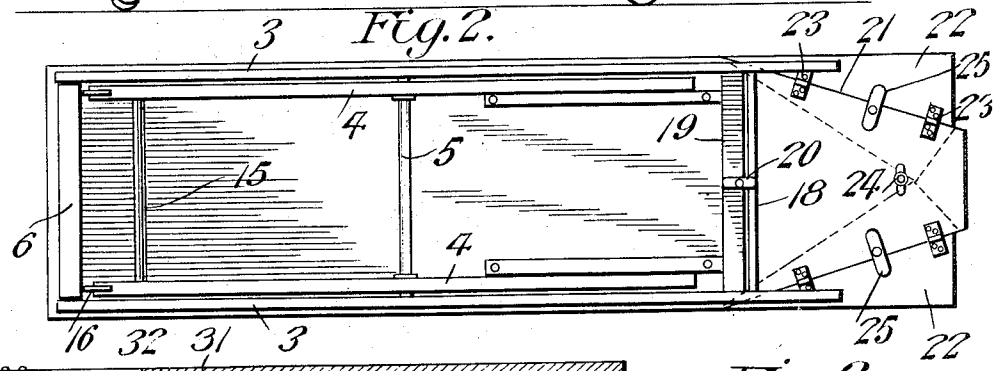


Fig. 4.

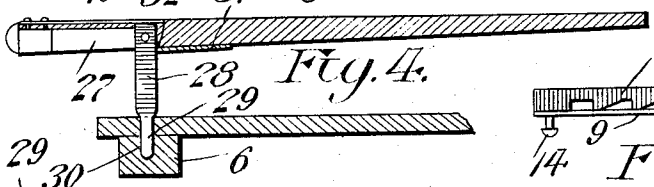


Fig. 3.

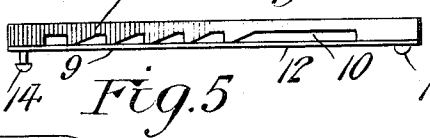
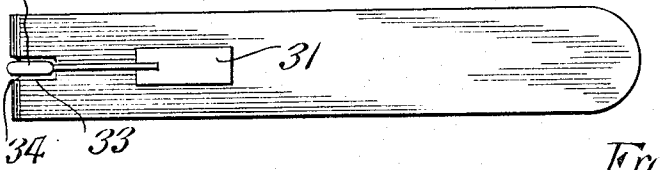


Fig. 5



Witnesses

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UNITED STATES PATENT OFFICE.

FRANCIS M. BUGBEE, OF NORTH KINGSVILLE, OHIO.

IRONING-BOARD.

No. 876,857. Specification of Letters Patent. Patented Jan. 14, 1908.

Application filed May 23, 1906. Serial No. 318,385.

To all whom it may concern:

Be it known that I, FRANCIS M. BUGBEE, a citizen of the United States, residing at North Kingsville, in the county of Ashtabula and State of Ohio, have invented new and useful Improvements in Ironing-Boards, of which the following is a specification.

This invention relates to ironing boards of the type sustained upon a framework or trestle, and has for its objects to produce a comparatively simple, inexpensive device of this character in which the frame may be folded into compact form to permit convenient shipment or storage of the device, one wherein the frame may, when in use, be readily adjusted for varying the height of the board from the floor, and one in which the frame will be firmly locked in unfolded condition.

Further objects of the invention are to provide a device of this character wherein the corners of the board at one end of the board or table may be folded when desired, thus providing for the ready conversion of the table from a straight edge board to one having a reduced or pointed end, and one wherein the foldable sections or leaves may be securely fastened in either folded or unfolded condition.

A further object of the invention is to provide an improved form of sleeve board which may be readily positioned for use on the table, one wherein the auxiliary board may be turned to any desired position for convenient use, and one wherein the supporting standard for said board may when the latter is not in use be folded to an unobstructing position.

With these and other objects in view, the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings: Figure 1 is a side elevation of an ironing board embodying the invention showing the same arranged for use and with the auxiliary sleeve board in place. Fig. 2 is a reverse plan view with the frame folded. Fig. 3 is a detail view of one of the locking bars. Fig. 4 is a detail sectional view taken centrally and longitudinally through the sleeve board showing the same mounted for use. Fig. 5 is a reverse plan view of the sleeve board, showing the supporting standard in folded condition.

Referring to the drawings, 1 designates the main board or table sustained upon a foldable train or trestle 2 comprising two pairs of supporting legs 3 and 4 crossed as shown and pivotally connected adjacent their longitudinal centers by means of a transversely extending pivoting element or rod 5, there being fixed on the lower face of the board 1 adjacent its rear end a cross piece or cleat 6 to which the upper ends of the legs 3 are pivoted as at 7, while attached to the lower face of the board adjacent its forward end is a pair of relatively spaced, parallel locking members or bars 8 each provided on its lower face with a series of engaging portions or teeth 9 and with a longitudinal, elongated recess 10 disposed in advance of the forward tooth. Each bar has applied to its lower face for closing the recess 10 and the spaces 11 between the teeth a retaining spring 12 fixed at its forward end to the bar at a point beyond the teeth 9, by means of a fastening member 13 and secured at its rear end by a fastening member consisting of a headed pin 14 which projects vertically downward an appropriate distance and serves as a guide on which the rear end of the spring may play in a vertical plane.

The legs 4 which are connected adjacent their lower ends by a rung 15 are equipped at their lower ends with rollers 16 and provided at their upper ends with inwardly projecting pins 17 adapted to seat in the recesses 11 between the teeth for engagement with the latter, being retained in such engagement by means of the springs 12, while the legs 3 are connected adjacent their lower ends by means of a rung 18, there being fixed to the lower face of the board or table 1 at the forward ends of the bars 8 a transverse cross piece or cleat 19 on which is pivoted a latch 20 adapted for engagement with the rung 18 to hold the legs in folded condition, as seen in Fig. 2, under which conditions the pins 17 will be disposed within the forward elongated recesses 10 of their respective locking bars.

The board or table 1 has its forward end of reduced pointed formation, as seen in Fig. 2, there being applied to the inclined side edges

21 of said pointed end foldable leaves or sections 22 of substantially triangular form and secured to the table by hinges 23, adapting them to be folded beneath the table, as indicated by dotted lines, or unfolded, as seen in full lines in Fig. 2. Pivoted beneath the table is a turn button 24 which engages the sections to secure them in folded condition, the sections being maintained in unfolded, active condition by means of turn buttons 25, it being noted in this connection that when the leaves are unfolded the table will be of uniform width throughout substantially its entire length or will, when the sections are folded, present a sharpened or pointed end formation to adapt it for readily receiving skirts or analogous articles of clothes to be ironed.

Adapted for use in connection with the table 1 is a sleeve board 26 provided at its rear end with a longitudinal slot or recess 27 in which is pivoted on one end a foldable supporting leg or standard 28 having a cylindrical end portion 29 adapted to fit in a step or socket 30 formed in the table 1 and cleat 6, there being applied to the lower face of board 26 and at the inner end of slot 27 a bearing plate 31 with which the standard contacts when in active position, while applied to the upper face of the board above the slot 27 is a spring 32 adapted to bear on the end of the standard for locking the same in vertical supporting position. The slot 27 is enlarged at its outer end as at 33 for accommodating the cylindrical portion 29 of the standard, while formed in the rear end of the board is a recess 34 adapted for permitting ready engaging of the operator's finger with the standard for unfolding the same. When it is desired to use the board the supporting frame is arranged as in Fig. 1, with the legs unfolded, under which conditions the pins 17 will, owing to engagement with the teeth on the bars 8, fix the legs in supporting position, it being noted that the springs 12 serve to retain the pins in the recesses 11, thus obviating accidental disengagement of the parts.

In practice, when the board is in folded condition, as in Fig. 2, the pins 17 lie at the forward ends of slots 10 and the latch button 20 engages rung 18 for holding the frame in folded condition as heretofore explained. Under these conditions, when it is desired to use the board, the latch is turned for releasing the rung and the legs are turned to open position, whereupon the pins 17 will ride over the teeth 9, during which action the springs 12 will yield downwardly and will in yielding play upon and be guided by the fastening members 14; the latter, being disposed beyond the teeth 9, it is obvious that they will constitute stops whereby the pins 17 will be retained in engagement with toothed bars 11, without danger of accidental detachment or disengagement. For varying the height of the table when in use, the operator places one foot on the rung 18 and raises the forward end of the board, thereby freeing the pin from the recesses 11, whereupon the height of the board may be increased by drawing forwardly thereon or decreased by moving the same rearwardly, as will be readily understood, it being apparent that after the desired height has been attained the pins are again sprung into engagement with the piece 9, and further that during the action of adjusting the table the legs 4 will travel freely at their lower ends on the rollers 16. The leaves 22 may be folded as indicated by dotted lines in Fig. 2 when a tapered ended board is desired or unfolded, and secured in such position by the buttons 25 when conditions render it desirable to employ a square ended board.

The supporting member 28 for the sleeve board 26 remains normally in folded condition as in Fig. 5, but may, when it is desired to use the board, be conveniently unfolded by introducing the finger into recess 34 for engaging the end of and swinging the member downward on its pivot, it being apparent that the member will be locked in active position under the action of spring 32 and will, through its engagement with plates 31, properly sustain the strains to which it may be subjected. When the cylindrical portion 29 is seated in the socket 30 the sleeve board may be swung to any desired position.

Having thus described my invention, what I claim is:

1. In a device of the class described, a frame comprising two pairs of crossed pivoted legs, a table pivoted at one end to the upper ends of one pair of said legs, locking bars secured longitudinally upon the underside of the table and provided with engaging teeth or ratchets, pins carried at the upper ends of the other pair of legs and engaging said teeth or ratchets to hold the frame in unfolded condition, springs secured upon the bars near one end of the latter for retaining the pins connected with the legs in engagement with the teeth upon the bars, said springs being yieldable to permit the pins to ride over the teeth, and headed pins connecting the free ends of the springs with the bars beyond the teeth, the free ends of the springs being freely movable upon said headed pins.

2. In a device of the class described, a supporting frame comprising crossed pivoted legs arranged in pairs, a table sustained by the frame, toothed locking bars secured longitudinally upon the underside of the table, said locking bars being provided with longitudinal recesses, laterally extending engag-

ing members carried by one pair of the legs and engaging the toothed bars, retaining springs secured upon the undersides of the toothed bars near one end of the latter, and headed fastening members extending from the opposite ends of the toothed bars through apertures in the springs near the free ends of the latter, and serving to guide the ends of said springs in their outward movement from the toothed bars and also constituting stops for engaging members carried by the legs of the supporting frame.

In testimony whereof, I affix my signature in presence of two witnesses.

FRANCIS M. BUGBEE.

Witnesses:

WENDELL H. BUGBEE,

WALTER H. BUGBEE.