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2,630,639

COLLAPSIBLE IRONING BOARD

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FIG. 1.

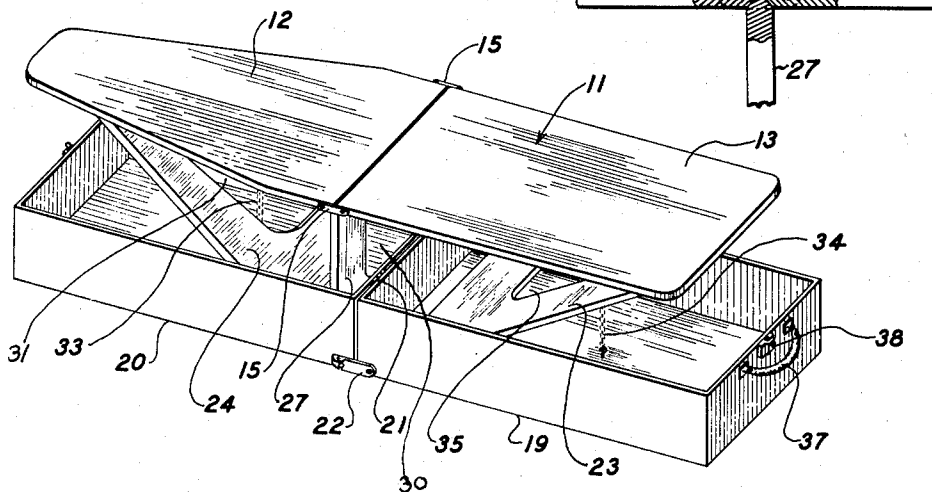


FIG. 2A.

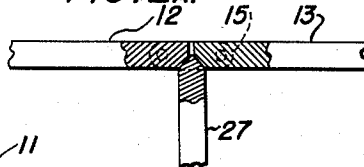


FIG. 2.

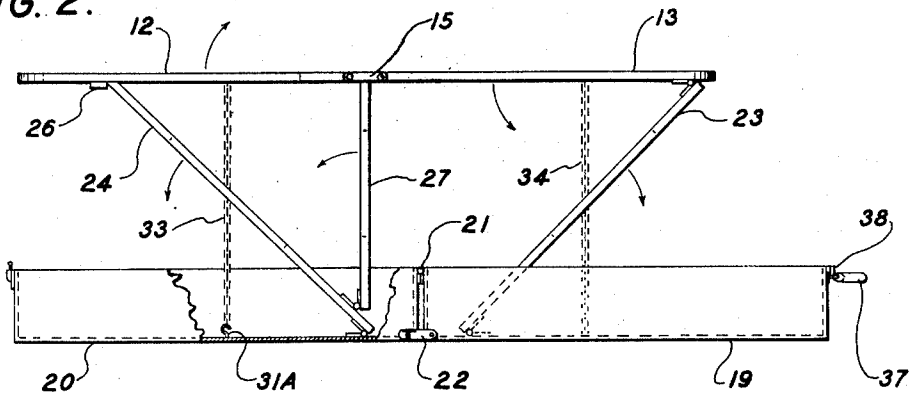
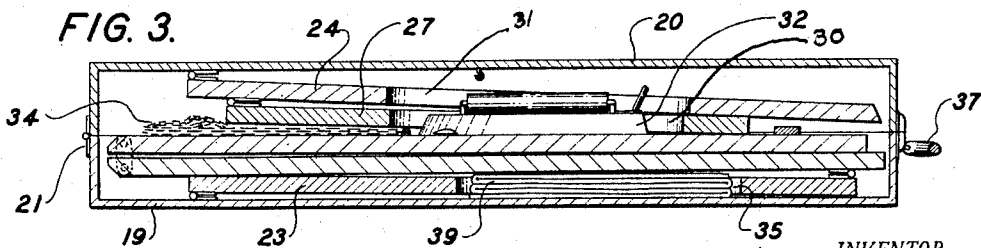


FIG. 3.



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COLLAPSIBLE IRONING BOARD

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6 Claims. (Cl. 38—139)

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This invention relates to collapsible ironing boards and provides improved equipment of this type.

The device of my invention is useful in a trailer house, small apartment or any place where space is at a premium but is particularly adapted to the needs of a traveler, since in its preferred form it collapses neatly into a small traveling case.

Generally speaking, my apparatus comprises a base and an ironing board top formed of two pieces which are hinged end to end. A first support is hinged at one end to the base and at the other end to one of the pieces near the unhinged end of that piece. A second support is hinged at one end to the base and means are provided for holding the other end of the second support to the other piece near its unhinged end. A third support is hinged at one end to the second support and means are provided for holding the other end of this third support to the ironing board adjacent the line at which its two pieces are hinged.

In a preferred embodiment of the apparatus of my invention the base consists of two boxes hinged together, so that when folded together they form a case for the collapsed ironing board. Latching means hold the boxes when opened in a rigid end to end position.

When the structure is collapsed, the second and third supports fit into one of the two boxes and the folded ironing board top and first support into the other box. Latches are then unfastened and the two boxes are folded together, forming a portable enclosure.

The several support members are so proportioned that when the structure is in an upright position the two pieces of the ironing board are held end to end in a substantial level plane parallel to the base.

The second and third supports may have centrally disposed holes shaped to receive an iron when the two supports are folded together in the collapsed position.

The apparatus of my invention will be more clearly understood in the light of the following detailed description taken in conjunction with the accompanying drawings wherein:

Fig. 1 is a perspective view of the erect ironing board of my invention;

Fig. 2 is a side elevation of the erect ironing board of Fig. 1;

Fig. 2A is an enlarged view, partially in section, of hinge 15 as shown in Fig. 2; and

Fig. 3 is a longitudinal sectional view of the collapsed ironing board of my invention.

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Referring to Figs. 1 and 2, an ironing board top 11 is cut transversely forming a first board 12 and a second board 13. Hinges 15 hold the two boards end to end and permit the folding of the first over the second.

A pair of boxes 19, 20 held together by a pair of hinges 21 (only one shown) are locked end to end by latches 22 (only one shown) forming a base for the erect ironing board.

A first brace 23 is hinged at its upper end to the underside of and near the unhinged end of the second board. The brace is hinged at its other end to the bottom of the first box 19.

A second brace 24 is hinged to the bottom of the second box, near its hinged end. The second brace when engaging a transverse cleat 26 (fastened to the underside of the first board) assists an upright support 27, and the first brace 23 in holding the two board tops in a level plane. The upright support is hinged to the second brace near its lower end, at a point directly below the line of intersection of the two boards 12, 13. The upright support is held in its erect position by the weight of the two boards.

The upright support and the second brace have centrally disposed holes 30, 31 shaped to receive a folding traveling iron 32 when the support and the brace are folded together in the collapsed position shown in Fig. 3.

A chain 33 fastened to the underside of the first board passes through the hole 31 and by one of its links is removably fastened to a hook 31A on the bottom of the second box. In a like manner, chain 34, passing through a hole 35 of the first brace, holds the other side of the structure rigid.

To collapse the ironing board, the chains are unfastened and the first board is lifted upward, freeing the second brace, which will fall with the upright support into the second box 20. The first board is folded over the second board and the folded ironing board top with the first brace is then lowered into the first box 19.

The latches are disengaged and the hinged boxes are folded together giving a portable enclosure which may be carried by a handle 37. The closed boxes are locked together at their unhinged ends by a lock 38.

An ironing board cover 39 (Fig. 3) may be stored in the hole 35 of the first brace, when the apparatus is folded and the case is closed.

I claim:

1. In a collapsible ironing board, the combination which comprises a base, an ironing board top formed of two pieces hinged end to end, a first support hinged at one end to the base and at

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its other end to one of the pieces near the unhinged end of that pieces, a second support hinged at one end to the base, means for holding the other end of the second support to the other piece near its unhinged end, a third support hinged at one end to the second support adjacent the base end of the second support, and means for holding the other end of the third support to the ironing board top adjacent the line at which its two pieces are hinged so that the third support is disposed approximately perpendicularly with respect to the ironing board top.

2. In a collapsible ironing board, the combination which comprises a first and a second box hinged together, the boxes when in an open position with their hinged ends end to end serving as a base for the erect ironing board and when closed providing a case for the collapsed ironing board, an ironing board top formed of a first and a second piece hinged end to end to permit the folding together of said pieces when collapsing the ironing board, a first support hinged at one end to the first box and at its other end to the first piece near its unhinged end overlying the first box, a second support hinged at one end to the second box, means for holding the other end of the second support to the second piece near its unhinged end overlying the second box, a third support hinged at one end adjacent the base end of the second support, and means for holding the other end of the third support to the ironing board top adjacent the line at which its two pieces are hinged so that the third support is substantially vertical, the second and the third supports of the collapsed board being proportioned to fit into the second box, the folded top and the first support of the collapsed board being proportioned to fit into the first box.

3. In a collapsible ironing board, the combination which comprises a first and a second box hinged together, the boxes when in an open position with their hinged ends end to end serving as a base for the erect ironing board and when closed providing a case for the collapsed ironing board, latching means for holding the first and second boxes when opened in a rigid end to end position, an ironing board top formed of a first and a second piece hinged end to end to permit the folding together of said pieces when collapsing the ironing board, a first support hinged at one end to the first box and at its other end to the first piece near its unhinged end overlying the first box, a second support hinged at one end to the second box, means for holding the other end of the second support to the second piece near its unhinged end overlying the second box, a third support hinged at one end to the second support adjacent the base end of the second support, and means for holding the other end of the third support to the ironing board top adjacent the line at which its two pieces are hinged so that the third support is disposed substantially perpendicularly with respect to the ironing board top, the second and the third supports of the collapsed board being proportioned to fit into the

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second box, the folded top and the first support of the collapsed board being proportioned to fit the first box.

4. In a collapsible ironing board, the combination which comprises a first and a second box hinged together, the boxes when in an open position with their hinged ends end to end serving as a base for the erect ironing board and when closed providing a case for the collapsed ironing board, an ironing board top formed of a first and a second piece hinged end to end to permit the folding together of said pieces when collapsing the ironing board, a first support hinged to one end to the first box and at its other end to the first piece near its unhinged end overlying the first box and provided with a hole for holding an ironing board cover when the board is collapsed, a second support hinged at one end to the second box, means for holding the other end of the second support to the second piece near its unhinged end overlying the second box, a third support hinged at one end to the second support adjacent the base end of the second support, and means for holding the other end of the third support to the ironing board top adjacent the line at which its two pieces are hinged so that the third support is substantially vertical, the second and the third supports of the collapsed board being proportioned to fit into the second box, the folded top and the first support of the collapsed board being proportioned to fit into the first box.

5. In a collapsible ironing board, the combination comprising a base, an ironing board top formed of two sections hinged end to end, a first support hinged at one end to one of said sections adjacent its unhinged end, and hinged at the other end to the base at a point approximately below the hinged end of the same section, a second support hinged at one end to the base at a point approximately below the hinged end of the other of said sections, means for holding the other end of the second support to said other section adjacent its unhinged end, and a third support hinged at one end adjacent the base end of the second support and engaging the ironing board top adjacent the hinged ends of the two sections thereof so that the third support is disposed approximately perpendicularly with respect to the ironing board top.

6. Apparatus according to claim 5 in which the base comprises two sections hinged together end to end between the points of hinged attachment of the first and second supports to the base.

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