To all whom it may concern:

Be it known that I, HARRY ABRASHIN, citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented a certain new and useful Improvement in Combined Tables and Ironing-Boards, of which the following is a specification.

My invention relates to improvements in combined table and ironing board and the object of my improvement is to provide a table with which is associated an ironing board that shall be adapted to be slidably disposed beneath the table’s top-board where it may be stored out of the way while it is not in use, and which shall be further adapted to be drawn downwardly from its stored position and then raised upwardly to form an extended ironing board whose top surface may be flush with the top surface of the table, in which position it shall be supported by devices which are hinged to its underside.

I accomplish this object by devices illustrated in the accompanying drawings whereina—

Figure 1 illustrates a table embodying my invention by a view in vertical mid-section on broken line y, y of Fig. 2; Fig. 2 is a plan view on an enlarged scale of the same table turned upside down; Fig. 3 is a plan view of the ironing board detached from the table; Fig. 4 is a view in vertical cross-section of the table on a reduced scale, on broken line z, z of Fig. 2; Fig. 5 is a vertical mid-sectional view of a modified form of parts of my invention; Fig. 6 is a view in perspective of a table embodying a modified form of my invention as it appears when the ironing board is stored beneath the top-board of the table; Fig. 7 is a plan view of the same turned upside down; Fig. 8 is a view of the same on a reduced scale in vertical mid-section on broken line z, z of Fig. 5, wherein is shown the ironing board in its extended position, and Fig. 9 is a view of the same on a reduced scale in vertical cross-section on broken line y, y of Fig. 7.

Referring to the drawings, throughout which like reference numerals indicate like parts, 10 is a top-board of a table which is secured to a frame work comprising the legs 11, side rails 12 and end rails 13 and 14, and extending between the end rails 13 and 14 and secured thereto in positions equidistant from the respective ones of the side rails 12 are two supporting guide strips 15 and 16, respectively, each of which on its inner side and near its lower edge is provided with a groove within which may be slidably supported an end portion of each of two metal cross-bars 18 and 19 which serve to connect together rigidly two side rails 20 to form a frame that is adapted to be slidably lengthwise while supported by the ends of cross-bars 18 and 19 in the said grooves of strips 15 and 16.

The inner sides of the side rails 20 are provided with grooves 17 which extend longitudinally nearly throughout the distance between their ends, as indicated by dotted lines in Fig. 2, and within such grooves 17 are rotatably and slidably disposed the respective pivotal ends 21 of two U shaped iron brackets 22 and 23, of circular cross-section, each of whose transversely disposed portions is swingingly articulated to an ironing board 24 by means of bearing brackets 25 and the end rail 14 is provided with an opening extending downwardly from the under surface of the top-board 10 and extending transversely of said top-board for sufficient distances to permit the ironing board 24 and the slidable side rails 20, together with their associated parts, to pass through such opening.

To the under surface of the ironing board 24 at a point near its inner end and adjacent to each of opposite sides thereof are articulated by a hinge 26, two legs 27 which oppositely disposed legs 27 are rigidly united near their free ends by a cross-bar 28 thus to adapt such legs 27 to swing together upwardly and downwardly to positions indicated by dotted lines in Fig. 1, and such legs 27 are adapted to be braced in a position against a floor to support the ironing board 24 by means of a brace frame 29, one end of which is articulated with the under surface of the outer end portion of the ironing board 24 by means of hinges, as by the hinge 30 shown more clearly in Fig. 1, whereby such frame 29 may swing upwardly to a position parallel with top-board 10 thus to permit it to pass through the opening in the end rail 14, the free end portion of such brace-frame 29 having a cross-bar 31 secured to its upper side against which the upper sides of the legs 27 may engage and having also another cross-bar 32 secured to its lower side which is adapted to engage with the lower sides of the legs 27, between which
cross-bars 31 and 32 the legs 27 extend whereby when the legs 27 and the brace-frame 29 are both swung downwardly for their maximum distance then such cross-bars 31 and 32 serve to clamp between them the legs 27 in the position shown by full lines in Fig. 1, and when thus clamped in such position, the legs 27 and the brace-frame 29 co-act to raise the ironing board 24 to a height that makes the top surface of the ironing board 24 register with the top surface of the top-board 10, since the outermost cross-bar 19 will limit the outward movement of the strips 20 by engaging with the end rail 14 and the outward movement of the ironing board 24 will be limited by the ends of the outermost U shaped bracket 23 whose ends 21 will engage with the outer end wall of slot 17 in the side rail 20, and as the ironing board 24 rises two projections 26 that extend from the bottom side of the inner end of the board 24 will enter recesses 61 which are formed in the under side of the end of the top-board 10.

In the operation of storing the ironing board 24 beneath the top-board 10, the brace-frame 29 is forced to swing upwardly against the under surface of the ironing board 24 and in its movement the cross-bar 32 will engage with the legs 27 to carry them also upwardly to a position parallel with the ironing board 24 which permits the ironing board 24 to fall downwardly by the swinging action of the U shaped brackets 23 to a plane low enough to permit the ironing board 24 together with all its associated parts to pass through the opening in the end rail 14 to their stored positions beneath the table-top 10.

If it be desired the ironing board 42 may be provided with a small auxiliary board, as the board 33 which I have illustrated in Figs. 1 and 3, which auxiliary board 33 is pivotally secured at one end to the inner portion of the upper surface of the ironing board 24 by means of a pivot-bolt 34, thus to adapt such auxiliary board 33 to swing sidewise to any desired angle with respect to the ironing board 24, thus to adapt such auxiliary board 33 to serve in the operation of ironing the sleeve or leg of a garment or other small article of like form.

In Fig. 5 I have shown a modified means for supporting an ironing board in its extended position wherein an ironing board 35 is provided with hinged legs 36 to which is articulated one end of a brace-frame 37 whose free end is adapted to engage with a desired one of a plurality of notches 38 formed in the underside of the outer end of the ironing board 35 as shown.

Figs. 6, 7, 8 and 9 illustrate a table embodying a modified form of my invention wherein Fig. 6 shows a door 40 within an opening in an end rail 41 of such table through which opening an ironing board may pass, such door 40 being hinged with its lower edge adjacent to the bottom of the opening whereby it may swing outwardly and downwardly to the position shown in Fig. 8, which Fig. 8 is a view on a reduced scale in vertical mid-section on broken line a, a of Fig. 7, and wherein an ironing board 42 is provided with supports 43 and 44 which respectively are similar in construction and operation to the legs 27 and brace-frame 29 of Fig. 1.

To the under side of the ironing board 42 are secured two iron bracket bars 45 and 46 whose offset ends 47 are disposed respectively to slide within the grooves of frame-rails 48, as shown more clearly in Fig. 9, which frame-rails 48 are united by a cross-bar 49 at their innermost ends, the end portion of which cross-bar 49 project from the frame-rails 48 to slide in the grooves of the side rails 50 which are secured to the underside of the table top board 51.

The trackways formed by the grooves of the strips 50 in which the ends of the cross-bar 49 travel, extend from the back end of the table to a point 52 near the center of the length of the table where they rise vertically for a slight distance then extend on an inclined plane to a point 53 where they terminate in a vertical surface that extends to the table-top 51 whereby in the operation of extending the ironing board 42 outwardly from its stored position such ironing board 42 together with the frame-rails 48 may be drawn outwardly freely from their stored position until the cross-bar 49 engages with the vertical surface of the trackway at point 52 whereupon the frame-rails 48 are arrested in their outward movement while the ironing board 42 is continued in its movement until the ends 47 of the cross-bar 45 reaches the ends of the grooves in the rail frames 48 whereupon the ironing board 42 is depressed sufficiently to raise the cross-bar 49 out of engagement with the vertical surface at point 52 to permit the cross-bar 49 to slide up the inclined plane to come to a rest at point 53 and thereupon the supporting devices 43 and 44 may be dropped downwardly and braced in an obvious manner to raise the ironing board 42 to its proper position, as illustrated in Fig. 8.

As indicated in Fig. 7 and Fig. 9 I have provided a small strip 55 which is slidably mounted on supports 56 disposed lengthwise of the table adjacent to one side whereby by such strip 55 may be drawn outwardly to serve as an auxiliary ironing board or as a convenient support for utensils.

Having thus illustrated and described my invention; what I claim is:

1. A combined table and ironing board embodying two supporting strips which are provided each with a longitudinal groove
and which are secured to said table beneath its top-board to extend lengthwise thereof, a frame slidably disposed within the grooves of said supporting strips said frame being provided with grooves extending along the inner side of its side rails, an ironing board having cross-bars secured to its under side with their ends offset from the under surface from said ironing board to adapt them to be slidably disposed within the grooves of said slidably disposed frame, legs swingly articulated with the under side of said ironing board and a brace-frame also swingly articulated with said ironing board and adapted to brace said legs.

2. A combined table and ironing board embodying two supporting strips which are provided each with a longitudinal groove and which are secured to said table beneath its top-board to extend lengthwise thereof, a frame adapted to slide in the grooves of said supporting strips, said frame being provided with grooves extending along the inner side of its side rails, an ironing board, two U shaped brackets each of whose ends are turned outwardly and each of which is swingly articulated to the bottom of said ironing board in a position to adapt its outwardly turned ends to be disposed slidably and rotatably within the grooves of said frame whereby said ironing board may be moved parallel with said frame and whereby the plane of said frame and the plane of said ironing board may be moved to be at different distances from each other, supporting legs swingly attached to the under side of said ironing board, a brace-frame swingly attached also to the under side of said ironing board, said brace-frame being adapted by cross-bars to clamp said legs in a position wherein the top surface of said ironing board shall be in the same plane with the top surface of said table, an opening through the end rail of said table through which may pass said ironing board, said slidably disposed frame, said legs and said brace-frame when said legs and said brace-frame are swung upwardly to a position parallel with said ironing board whereby said ironing board may be stored beneath the table-top of said table.

3. A combined table and ironing board embodying two supporting strips which are provided each with a longitudinal groove extending in a horizontal plane lengthwise thereof, a frame provided with grooves on the inner side of its side rails and further provided with a cross-bar on one of its ends, which cross-bar has its ends extended to project from said frame to adapt them to slide in said grooves of said supporting strips, an ironing board, two cross-bars secured to the under side of said ironing board and having their end portions offset to adapt them to project into and slidably move within the grooves of said frame whereby said ironing board may be moved lengthwise with relation to said frame, an opening in one end rail of said table through which said ironing board and said frame may pass, and supporting means associated with said ironing board whereby it may be raised to and be maintained in a plane with the top-board of said table.

4. A combined table and ironing board comprising a table, slotted guides secured to the under face thereof, a frame slidably mounted in said guides, an ironing board carried by said frame, and supporting means for said board in extended position, said board in extended position adapted to lie in a plane continuous with the table top.

5. A combined table and ironing board comprising a table, an ironing board slidably positioned beneath the same, supporting and bracing means carried by the board, and cooperative means carried by the board and table adapted to move the board in an upward direction when said board is moved outwardly of the table to cause the same to lie in a plane continuous with the table top.

In witness whereof I, hereunto subscribe my name this 28th day of August A. D., 1914.

HARRY ABRASHIN.

Witnesses:

FRANK WARREN,
A. HASKINS.