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COMBINED IRONING BOARD AND TABLE

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2 Sheets-Sheet 1

Fig. 1

Fig. 2

Fig. 3

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This invention relates to combined ironing boards and tables.

An important object of the invention is to provide a device of the above mentioned character particularly adapted to use in small apartments and the like, where it is desirable to economize on space, the device comprising a table in which is arranged an ironing board adapted to be withdrawn therefrom to operative position projecting from the table.

A further object is to provide a table having means for receiving an ironing board beneath the top thereof, the top being adapted to be lifted whereby the ironing board may be withdrawn therefrom to operative position with the upper surface thereof flush with and forming a continuation of the upper surface of the table.

A further object is to provide a device of the above mentioned character wherein the table is provided with side braces having guides to receive a slide, the ironing board being connected to the slide and supported upon other portions of the table in such a manner that it may be withdrawn from one end of the table by sliding it upwardly and outwardly to arrange the ironing board in operative position with the upper surface thereof flush with and forming a continuation of the table top.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the drawings I have shown one embodiment of the invention. In this showing:

Figure 1 is a perspective view of the device in operation.

Figure 2 is a plan view of the same, the top being removed.

Figure 3 is a detail perspective view of a portion of the operating elements.

Figure 4 is a vertical longitudinal sectional view through the table in operation.

Figure 5 is a similar view with the ironing board in operative position.

Figure 6 is a section on line 6—6 of Figure 4.

Figure 7 is a similar view on line 7—7 of Figure 4, and,

Figure 8 is an end elevation of the table.

Referring to the drawings, the numeral 10 designates a pair of vertical legs or supports arranged adjacent the ends of a table and connected by a longitudinal brace 11.

The spaced longitudinal braces 12 are connected between the legs adjacent the upper ends thereof as clearly shown in Figures 1 and 2. A top 13 is arranged on the table in the usual manner, and is hinged to one of the legs 10, as at 14. It will be apparent that the free end of the top 13 is adapted to be swung upwardly as suggested in dotted lines in Figure 4.

The braces 12 are provided in their inner faces with inclined slots 15, and a slide 16 is provided with extensions 17 at its edges adapted to slide in these slots. The slots 15 extend from points adjacent the end of the table to which the hinge is connected to a point spaced from the opposite end of the table, as indicated at 18 (see Figure 2). Tracks 19 are secured to the slide 16, as shown in Figures 3 and 4. The tracks 19 are spaced from each other a substantial distance and each is provided in opposite sides with aligned grooves 20 for a purpose to be described. The outer ends of the tracks 19 extend upwardly beyond the opposite ends as at 21, forming shoulders 22. The lower face of each track is inclined upwardly toward its outer end as at 24. The angle of inclination of the faces 24 is substantially equal to that of the grooves or slots 15. When the device is in inoperative position, as shown in Figure 5, the outer ends of the inclined portions 24 are adapted to rest upon the upper face 25 of a cut out portion formed in the adjacent leg 10.

Referring to Figures 1, 2 and 4, the numeral 26 designates an ironing board to one end of which are secured metallic or similar stops 27 for a purpose to be described. Two pairs of guides 28 are secured against the lower face of the ironing board as clearly shown in Figure 7. The pairs of guides are spaced from each other and each comprises a pair of rails 29 provided with inwardly extending shoulders 30 arranged in the grooves 20 formed in the tracks 19.

When the ironing board is withdrawn, the tracks 19 extend outwardly from the table, and the cut out portion 25 is provided with spaced notches 31 through which the tracks extend.

The operation of the device is as follows:

The ironing board is normally arranged within the table as shown in Figure 8 and is supported therein by the tracks 18. The outer ends of the tracks are supported by
the upper face of the cut out portion 25 while the opposite ends of the tracks are supported by the slides 16, as will be apparent. When it is desired to withdraw the ironing board, the free end of the table is elevated as shown in dotted lines in Figure 4, whereupon the projecting end of the ironing board may be readily withdrawn. The inclined portions 24 of the tracks slide outwardly and upwardly upon the upper face of the cut out portion 25, while the slide 16 moves outwardly and upwardly at a similar angle by virtue of the arrangement of the projections 17 in the slots 15. This movement is continued until the ironing board reaches the position shown in Figure 4 at which time the movement of the slide 16 will be limited by its contact with the end of the slots 15. Since the ironing board is horizontally arranged within the table, and the angles of the slots 15 and inclined portions 24 are equal, it will be apparent that the ironing board remains in a horizontal position throughout its movement to operative position. When the latter position is reached, as shown in Figure 4, the free end of the table top may be lowered to normal position, whereupon the upper face of the ironing board will be flush with the top of the table and will form a continuation thereof. The table top will be effectively supported by the adjacent leg 10 and by the slide 16, as will be apparent. When it is desired to replace the board within the table, it is merely necessary to elevate the free end of the top whereupon the operator may slide the board back to inoperative position. As previously stated the movement of the slide 16 toward operative position is limited by the ends of the slots 15, while movement of the ironing board will be limited by contact between the stops 27 and the shoulders 22. The stop elements are so arranged that the inner longitudinal edge of the ironing board will coincide in position with the free edge of the table top whereby the ironing board will be arranged close to the table when it is in operation. It will be apparent that the top of the table serves when the ironing board is in operation to receive ironed clothes and the like, whereby the ironing operation is greatly facilitated. Since the board projects freely from the end of the table the basket of clothes to be ironed may be placed therewith. While the device has been illustrated in connection with one specific type of table, it will be obvious that it is not limited in its application thereto but may be employed with any type of table having side braces in which the grooves 15 may be cut, and an end brace or leg in which may be formed the cut out portion 25 to support the tracks 19.

If it is desired to remove the ironing board for any reason, the table top may be swung upwardly to a vertical position and the board withdrawn to operative position. The slide 16 and tracks 19 then may be held in position while the board is moved toward the opposite end of the table to release the guides 28 from the tracks 19. The board may be replaced merely by reversing its operation, as will be apparent.

It is to be understood that the form of the invention hereof shown and described is to be taken as a preferred example of the same and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

We claim:

1. A device of the character described comprising a table having a hinged top and a pair of substantially parallel side members provided in their inner faces with substantially parallel upwardly inclined grooves, a slide mounted in said grooves, a track carried by said slide and provided with a lower inclined face which is adapted to slide on a portion of said table, the upper ends of said grooves being in substantially the same horizontal plane as the portion of said table on which said lower inclined face is adapted to slide, an ironing board, and a pair of guides carried by said board and engaging said track.

2. A device of the character described comprising a table having a hinged top and a pair of parallel side members provided with inclined grooves, an ironing board adapted to be arranged wholly beneath the top of said table, and means for slidably supporting said board whereby it may be drawn from one side of said table, said means including a slide engaging in said grooves and a track carried by said slide having an inclined portion adapted to slide upon a portion of said table, said grooves and said inclined portion being inclined upwardly at equal angles toward the side of the table from which said board is adapted to be drawn.

3. A device of the character described comprising a table having a top hinged at one end to one end thereof and a pair of parallel side members provided with grooves inclined upwardly toward the opposite end of said table, a slide mounted in said grooves, a track carried by said slide and provided with a lower face inclined at substantially the same angle as said grooves and adapted to slide on a portion of said table, and an ironing board slidably supported on said track.

4. A device of the character described comprising a table having a hinged top and a pair of parallel side members provided in their inner faces with parallel upwardly inclined grooves, a slide mounted in said
grooves, a track carried by said slide and provided with a lower face inclined at substantially the same angle as said grooves and adapted to slide on a portion of said table, an ironing board, and a pair of guides carried by said board and engaging said track.

5. A device of the character described comprising a table having parallel side an end members and a top hinged at one end to one of said end members, the opposite end member being provided with a cut out portion, the inner faces of said side members being provided with grooves inclined upwardly toward said last named end member, a transverse slide having projecting ends slidable in said grooves, a pair of tracks secured at one end to said slide, said tracks being provided with lower faces inclined substantially at the same angle as said grooves, said inclined faces being adapted to slide upon the upper face of said cut out portion, guides slidably connected to said tracks, and an ironing board secured to said guides.

6. A device constructed in accordance with claim 5 wherein said slide is adapted to contact with the upper ends of said grooves to limit its sliding movement, said tracks being provided with shoulders, and stop members carried by said ironing board and adapted to engage said shoulders to limit the sliding movement of said board.

In testimony whereof we affix our signatures.

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