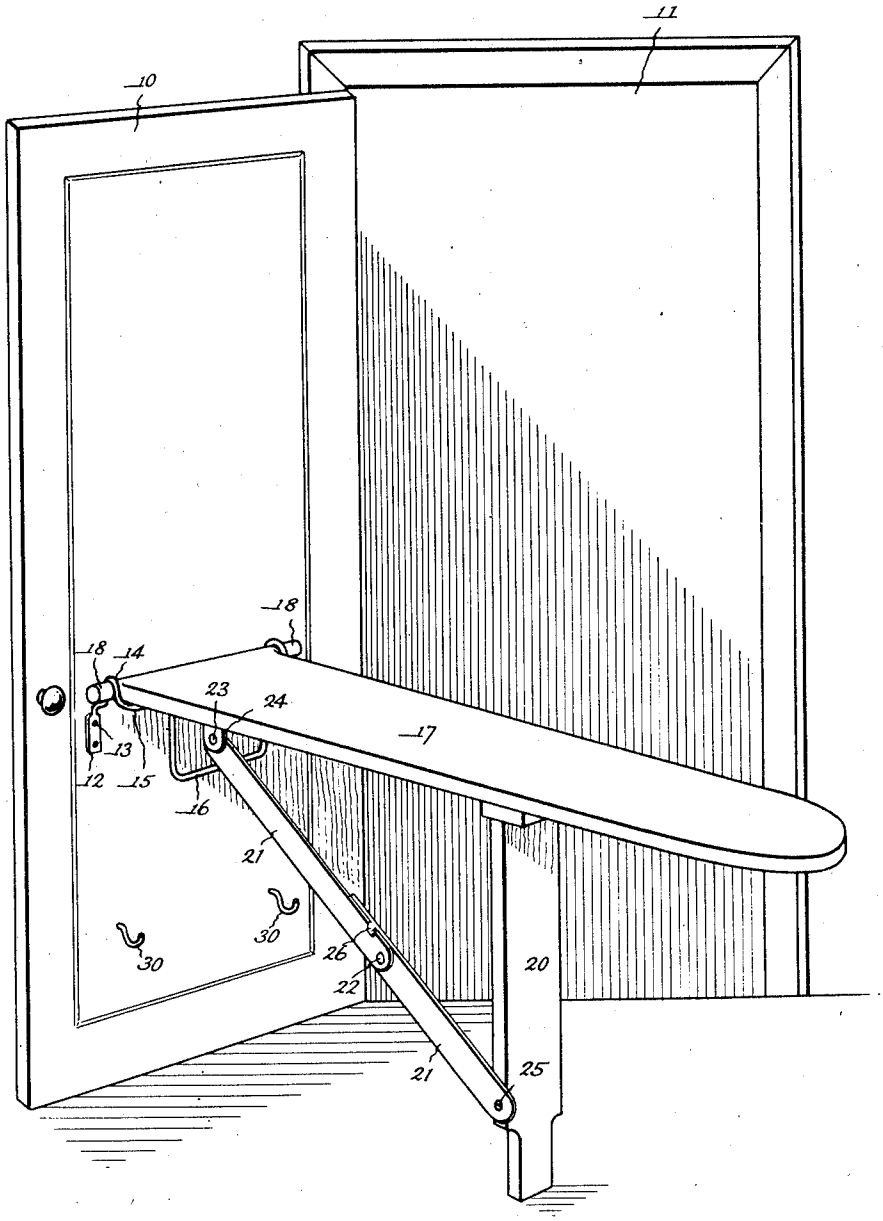
May 29, 1928. 1,671,881

C. E. BARRIE

IRONING BOARD

Filed May 7, 1927 2 Sheets-Sheet 1

Fig. 1.



WITNESSES

A. J. Frank.

Franklin J. Fuller

INVENTOR

CHARLES E. BARRIE

BY Munn & Co.

ATTORNEY

May 29, 1928. 1,671,881

C. E. BARRIE

IRONING BOARD

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Fig. 2.

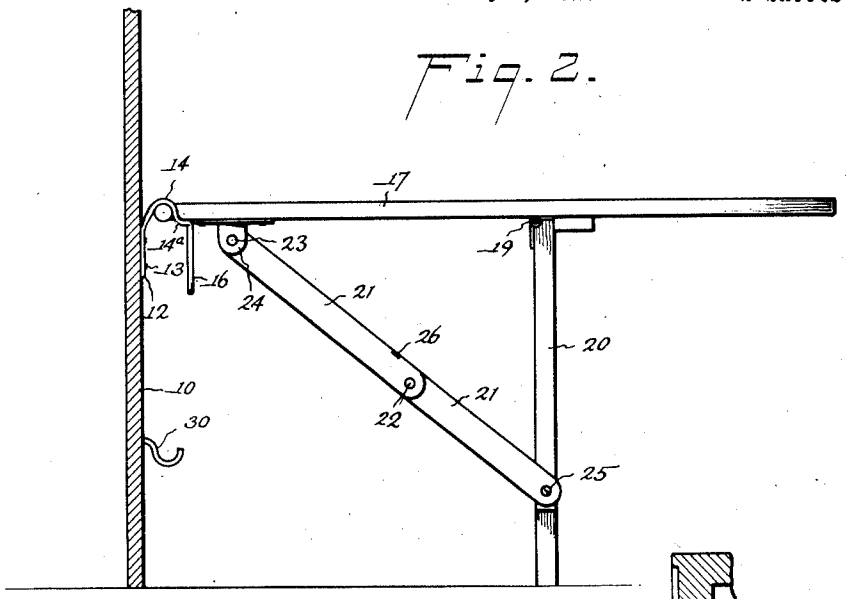
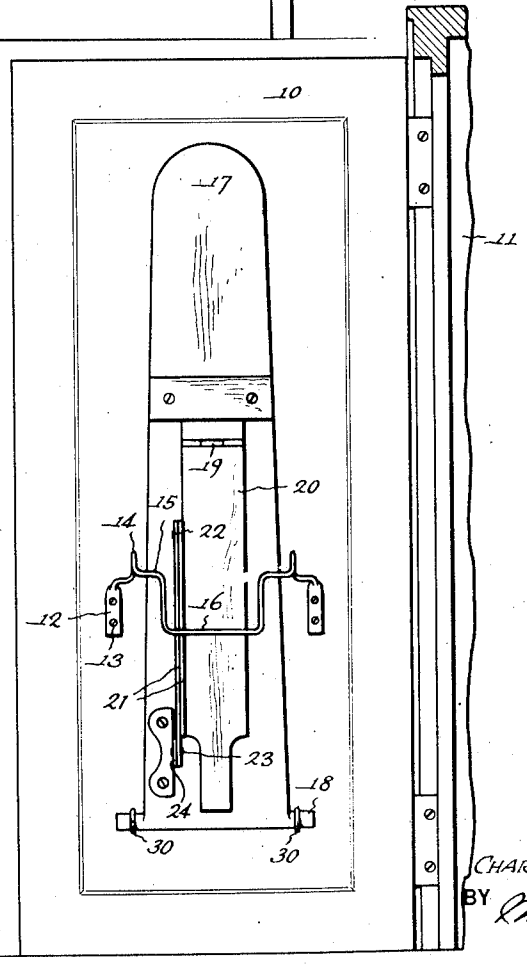


Fig. 3.



WITNESSES

J. J. Mank

Franklin J. Todd

INVENTOR

CHARLES E. BARRIE

BY Munn & Co.

ATTORNEY

Patented May 29, 1928. 1,671,881

UNITED STATES PATENT OFFICE.

CHARLES E. BARRIE, OF BRATTLEBORO, VERMONT.

IRONING BOARD.

Application filed May 7, 1927. Serial No. 189,708.

The present invention is concerned with the provision of an ironing board adapted to be attached to a swinging carrier member such for instance as the door of a closet. An object of the invention is to provide a board which will occupy a very small space when folded against the closet door, and which may be readily extended and disposed in operative position at any desired angle within the room due to the possibility of disposing the carrier door at various angles.

Another object of the invention is to provide an improved mounting structure for the board which permits the use of a much longer board than can be employed where the boards are fastened to stationary rear walls of ironing board closets. This feature is rendered possible by the use of a mounting in which the board is both slidably and hingedly connected to the closet door. If desired, the board may be of a length almost equal to the height of the door.

Objects of the invention are to provide a board capable of being readily moved to operative position, or readily collapsed to its inoperative folded position, and to provide a board and mounting which combine simplicity of construction with ruggedness and durability in use.

With the above noted and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter set forth and pointed out in the claims. The invetion may be more fully understood from the following description in connection with the accompanying drawings, wherein—

Fig. 1 is a perspective view showing an ironing board embodying the present invention attached to a closet door, with the door swung open and the board in operative position.

Fig. 2 is a view in side elevation of the board and in vertical section through the door.

Fig. 3 is a front inside elevational view of the board carrying door with the board in folded inoperative position.

In the drawings I have used the reference numeral 10 to designate the swinging door of a closet 11. Attached to the inner face of the door at any convenient height, is a frame member preferably of relatively heavy wire including flattened end portions 12 retained in place by screws or equivalent securing devices 13. The spaced and parallel terminal portions 12 are preferably integral with inverted hook portions 14, the ends of which are spaced from the wall and connected by an integral horizontally disposed cross bar 15, the central portion of the cross bar being downwardly offset at 16 for a purpose to be later described.

The ironing board 17 is provided at one end with laterally projecting trunnions 18 adapted when the board is in the operative position of Fig. 1 to be disposed within the hooks 14. Connected to the under side of the board by a hinge 19 is a leg 20 adapted to be retained in its vertical operative position by a pair of bracing members 21 pivotally connected to each other as at 22. The end of one member 21 is pivoted as at 23 to an ear 24 depending from the board 17 and the other member 21 is pivoted at 25 near the lower end of the leg 20. A lug 26 on one of the braces 21 overlies the overlapping end of the associated brace to prevent downward folding movement of the braces with the board in the position of Fig. 1.

To collapse the board and shift it to inoperative position, the board is folded upwardly, the trunnions turning in the hooks 14 until the board lies against the inner face of the door. If the board at the time that it is folded against the door projects at its free end above the top of the door, it is immaterial, since there is nothing to prevent the extension of the free end of the board above the door at this time, and the board is to be later slid downwardly between the cross bar 16 and the door until the trunnions 18 engage in a pair of upwardly turned supporting hooks 30 projecting from the inner face of the door beneath the frame structure 14, 15.

Having swung the board upwardly against the inner face of the door as suggested above, the braces 21 are folded inwardly carrying with them the leg 20 until both the braces and the leg lie against the under side of the ironing board. The offset 16 in the cross bar 15 is to provide clearance for the swinging movement of the free end of the leg. With the board leg and braces folded together, the board may be slid downwardly between the cross bar 15 in the door until it comes to rest in the hooks 30. It will be noted that the distance between the cross bar 15 and the door must be sufficient to accommodate not only the

board, but also its associated leg and braces, and with this in view the cross bar is preferably offset as at 14ª (Fig. 2), from the terminals of the hooks 14.

With the board in the position of Fig. 1, the hooks 14 effectively prevent upward tilting of the trunnion bearing end of the board, and the board is cooperatively supported by the cross bar 15 of the leg 20. With the parts in the position of Fig. 3, the cross bar 15 prevents outward swinging movement of the board on its trunnions.

Obviously, various changes and alterations might be made in the general form and arrangement of the parts described without departing from the invention. Hence I do not wish to limit myself to the details set forth, but shall consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

I claim:

1. The combination with a vertical supporting member of spaced parallel downwardly facing hooks carried thereby and a cross bar spaced from the supporting member and connecting the hooks, an ironing board including trunnions at one end disposed under and turning in the hooks and supported at one end in operative horizontal position by the cross bar, means for supporting the other end of the board when the latter is in horizontal position and means disposed beneath the cross bar and attached to the supporting member for supporting the trunnion bearing end of the board when the latter is swung against the supporting member and slid downwardly between the cross bar and supporting member.

2. The combination with a vertical supporting member of spaced parallel downwardly facing hooks carried thereby and a cross bar spaced from the supporting member and connecting the hooks, an ironing board including trunnions at one end disposed under and turning in the hooks and supported at one end in operative horizontal position by the cross bar, and means disposed beneath the cross bar and attached to the supporting member for supporting the trunnion bearing end of the board when the latter is swung against the supporting member and slid downwardly between the cross bar and supporting member, a leg pivoted to the board for supporting the free end thereof, said cross bar being centrally offset to provide clearance for the free end of the leg as the latter is swung inwardly against the upwardly swung board.

CHARLES E. BARRIE.