Feb. 13, 1923. 1,445,129

A. S. CHILDERS

CABINET IRONING BOARD

Filed Nov. 10, 1921 2 sheets-sheet 1

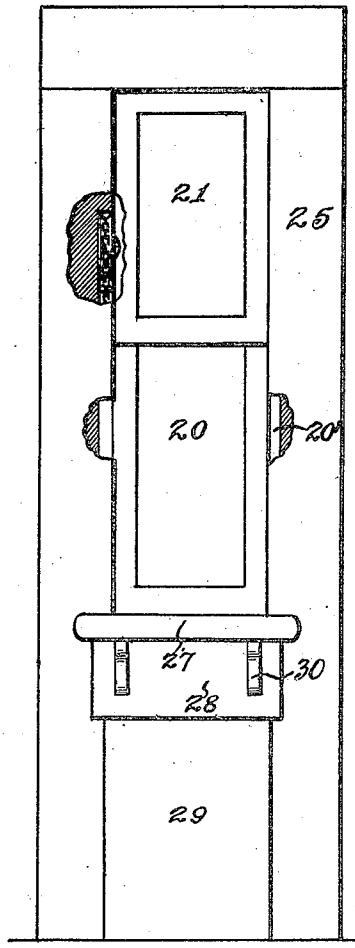


Fig. 1.

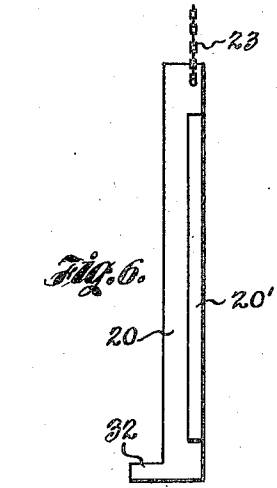


Fig. 6.

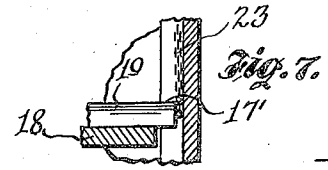


Fig. 7.

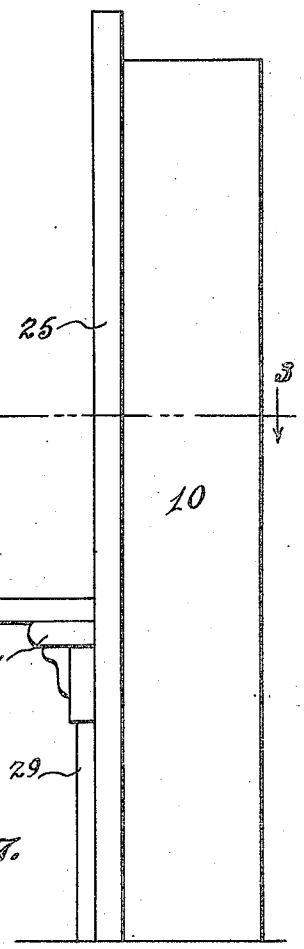


Fig. 2.

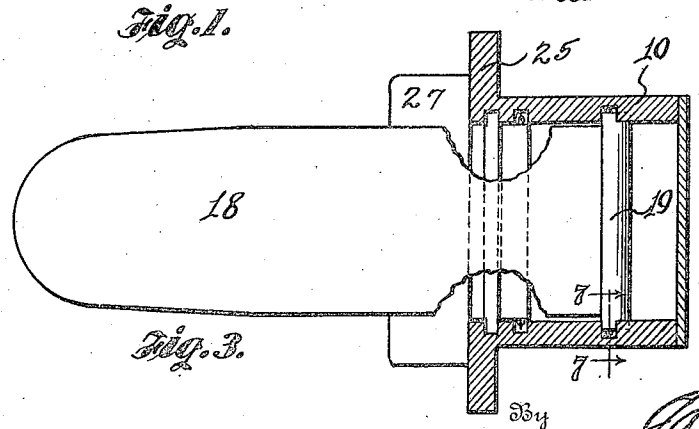


Fig. 3.

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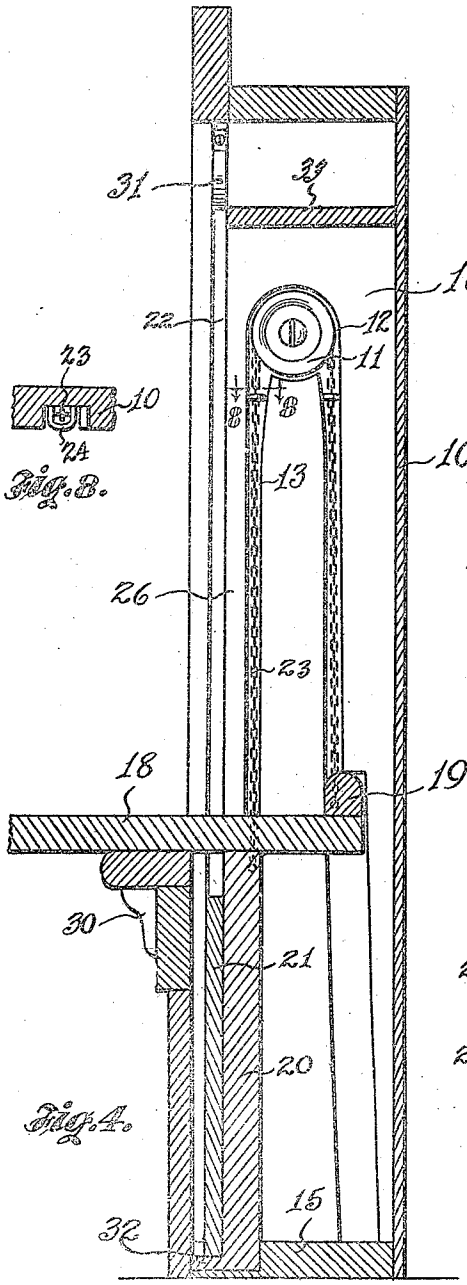


Fig. 3.

Fig. 4.

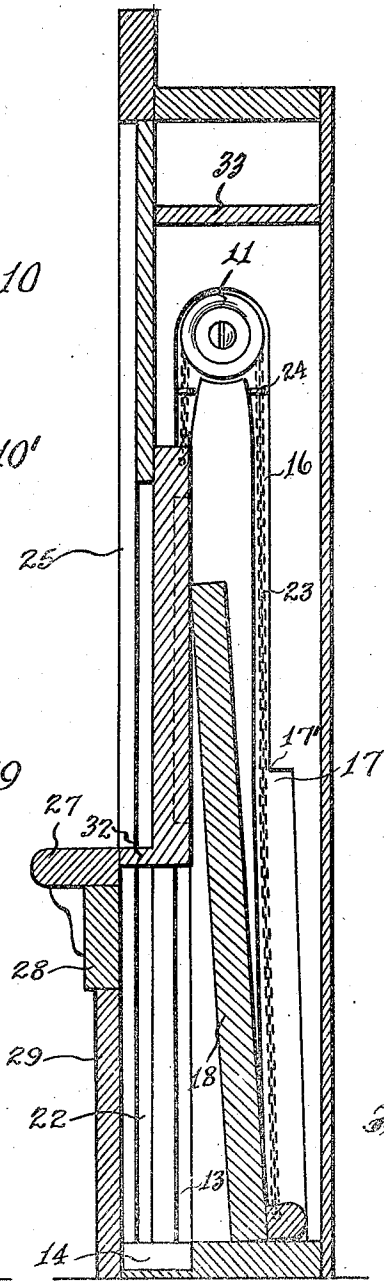


Fig. 5.

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Patented Feb. 13, 1923. 1,445,129

UNITED STATES PATENT OFFICE.

ALEXANDER S. CHILDERS, OF DALLAS, TEXAS.

CABINET IRONING BOARD.

Application filed November 10, 1921. Serial No. 514,160.

To all whom it may concern:

Be it known that I, ALEXANDER S. CHILDERS, a citizen of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented certain new and useful Improvements in Cabinet Ironing Boards, of which the following is a specification.

This invention relates to new and useful improvements in cabinet ironing boards.

The object of the invention is to provide a cabinet preferably arranged in a recess in a wall and comprising an ironing board foldable therein.

Another object is to provide means for automatically extending the ironing board for use when the doors of the cabinet are opened and to fold the board within the cabinet when the doors are closed.

Another object is to provide a cabinet that is neat in appearance, the facing of which may be made to conform to the design of the woodwork or other cabinets in the room.

A further object is to provide such a cabinet which is simple in construction and comprises a minimum number of parts.

A construction designed to carry out the invention will be hereinafter described together with other features of the invention.

The invention will be more readily understood from a reading of the following specification and by reference to the accompanying drawings, in which an example of the invention is shown and wherein:

Fig. 1 is a front elevation of an ironing board cabinet embodying my invention,

Fig. 2 is a side elevation of the same,

Fig. 3 is a cross-sectional view on the line 3—3 of Fig. 2,

Fig. 4 is an enlarged vertical sectional view showing the ironing board extended,

Fig. 5 is a similar view showing the ironing board folded with the cabinet,

Fig. 6 is an enlarged detail of the lower door showing the tongue on one side of the same,

Fig. 7 is a detail of the transverse runner on the rear end of the ironing board, and

Fig. 8 is an enlarged detail taken on the line 8—8 of Fig. 4.

In the drawings the numeral 10 designates the side walls of a cabinet constructed in accordance with my invention and 11 a pair of corresponding pulleys mounted in recesses 12. The numeral 10′ designates the rear wall of the cabinet. A vertical guideway 13 extends from the forward side of each recess to a recess 14 in the base 15. Other guideways 16 extend from the opposite side of the recesses 12 to the base. The lower portions of the guideways 16 are widened at 17, thus providing shoulders 17′, and are slightly inclined, the purpose for which will be hereinafter explained.

18 is an ironing board adapted to fold within the cabinet and having a transverse runner 19 mounted on its lower or rear end. The ends of the runner project beyond the sides of the ironing board and slidably engage in the lower portions of the guideways 16. A lower door 20 is adapted to slide vertically by means of a tongue 20′ on each side thereof engaging in the guideways 13. An upper door 21 is adapted to slide in vertical grooves 22 in front of the guideways 13.

Chains 23 pass over the pulleys 11, having one end connected to the side of the lower door at the top and the other to the end of the runner 19. Staples or eyes 24 may be provided in the guideways 13 and 16 as guides for the chains.

The cabinet comprises a suitable frame 25, having an opening 26 which is closed by the slidable doors 20 and 21. The base of the opening is formed by a transverse sill 27 mounted on an apron 28 which is supported by a panel 29. The sill may be braced by brackets 30 or other like supports. When the doors are closed the upper door is held in place by frictional engagement with springs 31 in the top of the grooves 22 while the weight of the ironing board holds the lower door in position, the latter having a lip 32 which extends across the space from the door to the edge of the sill 27.

As is shown in Fig. 5, when the ironing board is folded within the cabinet, the upper or forward end of the former rests against the lower door 20. To extend the ironing board for use the upper door is lowered and engages the lip 32 of the door 20. By pushing the lower door downwardly, it will be readily seen that the rear or lower end of the ironing board is raised, thus extending the upper or forward end thru the opening 26. The runner 19 has rounded edges and rides vertically in the lower portions of the guideways 16. When the slidable doors are entirely lowered the end of the door 20 and the lip 32 are received by the recess 14, in the base, while the runner 19 engages the shoulders 17′ in the guideways and the ironing

board rests on the sill 27, as is shown in Fig. 4. It will be readily seen that the board is thereby supported in a convenient position for ironing.

By raising the forward end of the ironing board and pushing it downwardly into the cabinet the runner will follow the guideways 16 while the doors will slide upwardly. When the lower or rear end of the board has reached the bottom of the cabinet, the lip of the door 20 will be flush with the top of the sill 27, as is shown in Fig. 5. By sliding the door 21 upwardly into engagement with the springs 31, the cabinet is closed and the ironing board is retained therein.

It is pointed out that the lower door 20 is preferably made of one piece of material and considerably thicker than the upper door 21. This obviates the necessity of providing additional weight to raise and extend the ironing board, the weight of the door being sufficient to accomplish this purpose.

A shelf 33 may be provided in the top of the cabinet on which an iron or the like may be placed.

It will be readily seen that a cabinet constructed in accordance with my invention encloses an ironing board that may be extended for use automatically by the operation of the doors. The doors may easily be lowered by the use of the fingers. The frame of the cabinet may be made to conform to the design of the woodwork or other cabinets in the room, whereby a neat and attractive appearance is had.

Various changes in the size and dimensions, as well as modifications may be made without departing from the spirit of the invention.

What I claim, is:

1. In a device of the character described, an enclosure, vertically sliding upper and lower doors in the enclosure, an ironing board foldable into the enclosure and having one end pivoted therein and adapted to slide vertically, means connected to the pivoted end of the board and to the lower door for raising and extending the board by the operation of said lower door, and means for supporting the board in a horizontal position.

2. In a device of the character described, an enclosure, vertically sliding upper and lower doors in the enclosure, pulleys mounted on opposite walls of the enclosure, an ironing board foldable into the enclosure and having one end pivoted therein and adapted to slide vertically, flexible connections passing over the pulleys and attached to the lower door and to the pivoted end of the ironing board, and means for supporting the ironing board in a horizontal position when extended.

3. In a device of the character described, an enclosure, vertically sliding upper and lower doors in the enclosure, pulleys mounted in recesses in opposite walls of the enclosure, an ironing board foldable into the enclosure, a transverse runner mounted on one end of the ironing board and adapted to slide in vertical guideways in the sides of the enclosure, flexible connections passing over the pulleys and attached at one end to the lower door and at the other to the end of the runner, and means for supporting the ironing board in a horizontal position when extended.

4. In a device of the character described, an enclosure having vertical guideways provided with shoulders, a lower door slidable vertically in the enclosure, an upper door slidable vertically in the enclosure, an ironing board foldable into the enclosure, a transverse runner mounted on one end of the ironing board and adapted to slide vertically in said guideways, pulleys mounted in recesses above the guideways, flexible connections passing over the pulleys and each having one end attached to said runner and the other to the lower door, a transverse sill mounted on the front of the enclosure and adapted to support the ironing board in a horizontal position when extended, the rear end being supported from upward displacement by the engagement of the said runner with said shoulders.

5. In a device of the character described, an enclosure, pulleys mounted on opposite walls of said enclosure, an ironing board foldable into said enclosure, the inner end of said board being pivoted and adapted to slide in vertical guideways in said enclosure, upper and lower sliding doors, flexible connections engaging over said pulleys and each having one end secured to the pivoted end of said board, the other end being fastened to the lower door, the last named door having a forwardly directed lip disposed in the path of the upper door and adapted to be engaged thereby to force the lower door downwardly, whereby the ironing board is extended, and means for supporting said board in a horizontal position.

In testimony whereof I affix my signature.

ALEXANDER S. CHILDERS.