V. M. DE CANO.

FOLDING IRONING BOARD.

APPLICATION FILED APR. 4, 1919.

1,350,857. **Patented Aug. 24, 1920.**

2 SHEETS—SHEET 1.

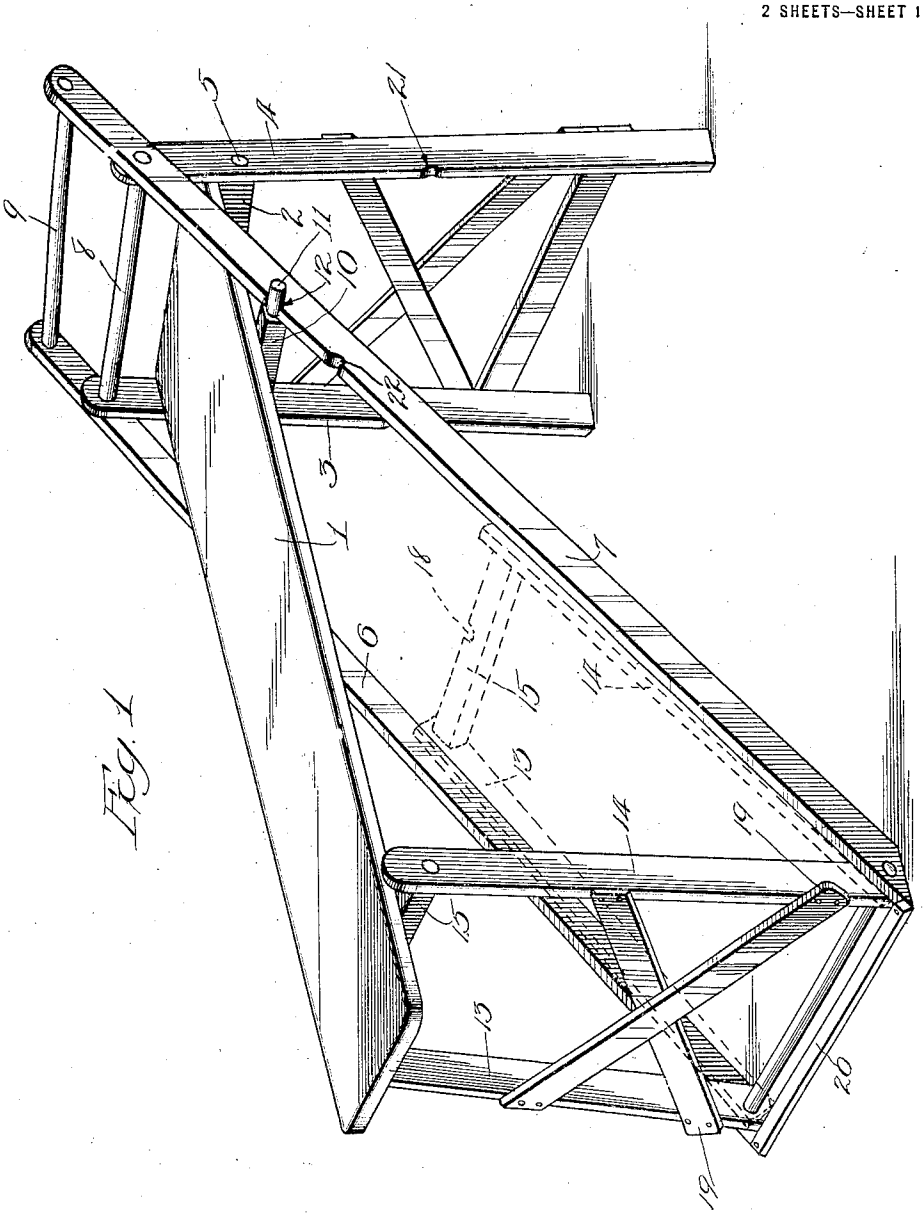


Fig. 1.

Witness:
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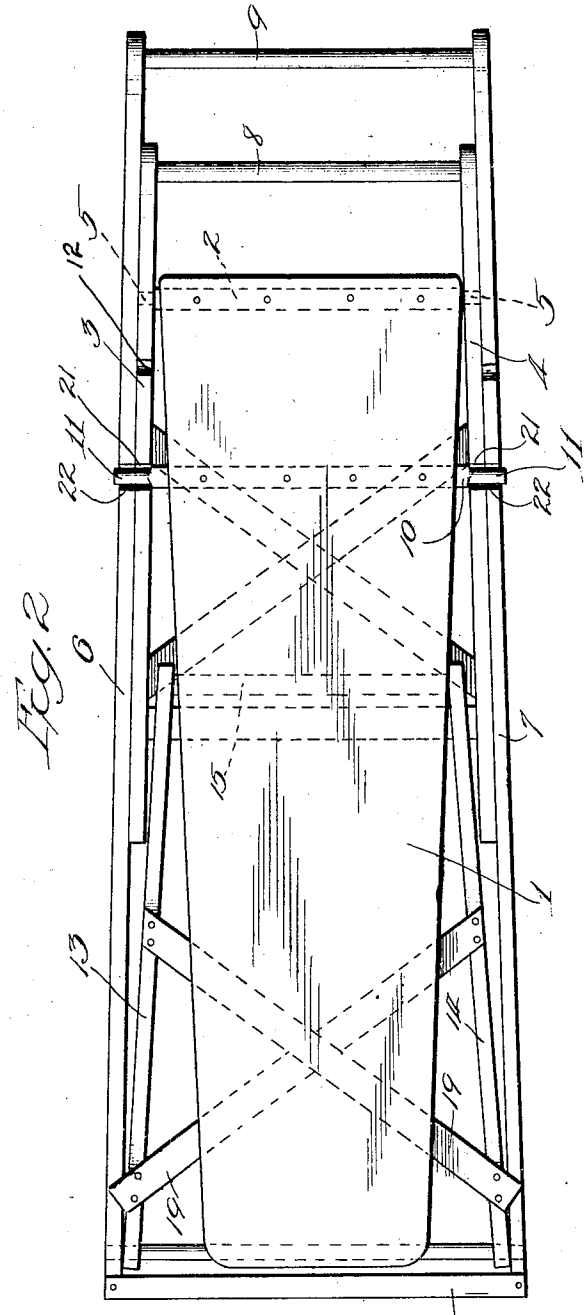


Fig. 2

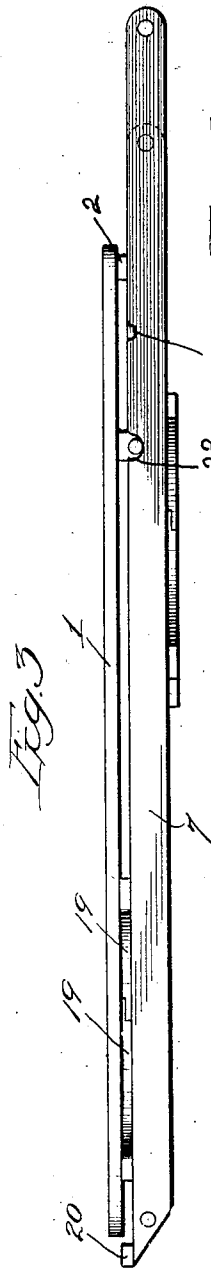


Fig. 3

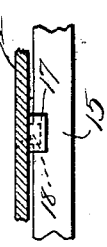


Fig. 5

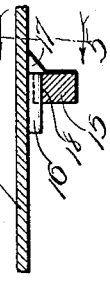


Fig. 4

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UNITED STATES PATENT OFFICE.

VICTOR M. DE CANO, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO WILLIAM H. HINZ, OF OAK PARK, ILLINOIS, AND ONE-HALF TO RAYMOND F. STARR, OF CHICAGO, ILLINOIS.

FOLDING IRONING-BOARD.

1,350,857. Specification of Letters Patent. Patented Aug. 24, 1920.

Application filed April 4, 1919. Serial No. 287,462.

To all whom it may concern:

Be it known that I, VICTOR M. DE CANO, a citizen of the Argentine Republic, residing at Chicago, county of Cook, State of Illinois, have invented a certain new and useful Improvement in Folding Ironing-Boards, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention has for its object to produce a simple and novel folding ironing board which may easily be manipulated and which will offer a firm rigid support for ironing.

A further object of the present invention is to provide simple and novel supports for an ironing board which will permit a skirt or other endless device of considerable length to be slipped over the board without requiring the latter to be lifted, and thereafter supporting the board firmly while the device is being ironed.

A further object of the present invention is to produce a simple and novel folding ironing board having combined therewith a rack on which to hang articles that have been ironed.

The various features of novelty whereby my invention is characterized will hereinafter be pointed out with particularity in the claims; but, for a full understanding of my invention and of its objects and advantages reference may be had to the following detailed description taken in connection with the accompanying drawings, wherein:

Figure 1 is a perspective view of an ironing board arranged in accordance with the present invention, set up ready for use, the support for one end of the board being shown in dotted lines in an idle position;

Fig. 2 is a top plan view of the board in the folded state;

Fig. 3 is an edge view of the folded board;

Fig. 4 is a longitudinal central section through a fragment of the board in the vicinity of the upper end of the supporting leg for the free end of the board; and

Fig. 5 is a section taken approximately on line 5—5 of Fig. 4.

Referring to the drawing, 1 represents a board or table member of any usual or suitable size or shape. Secured to the under side of one end of the board, preferably the wide end in the case of a board wider at one end than the other, is a deep transverse bar or beam, 2. This end of the board extends between the side members 3 and 4 of a supporting frame. The bar 2 has trunnions, 5, on opposite ends, which trunnions project through holes in the members 3 and 4 and serve to connect the frame and the board pivotally together.

A second frame, longer than the other and having side bars, 6 and 7, spaced apart sufficiently far to permit the board 1 to pass between them, is pivotally connected at one end to the upper end of the other frame. In the arrangement shown, the side members 3 and 4 extend at their upper ends above the top of the board and are joined together by a cross piece, 8, on which articles that have been ironed may be hung. The member 8 may extend through the bars 6 and 7 and serve as supporting bearings for the latter. The adjacent ends of the bars 6 and 7 are extended beyond the pivotal point and, by connecting them together by means of a piece, 9, corresponding to the piece 8, a second support for ironed articles, lying beyond the end of the ironing board, is provided. The long frame is made sufficiently long so that when the end frame is placed upright, the other frame will extend diagonally to the floor to a point in the vicinity of the free end of the ironing board. The board is provided with a second cross bar, 10, on its under side so located that when the board is horizontal, the ends, 11, of the bar will rest in suitable notches, 12, in the upper edges of the bars 6 and 7. With this arrangement, the ironing board is supported from one end and projects horizontally in the form of a cantaliver arm; the parts being preferably so proportioned that the long frame does not project above the board for any considerable distance from the large end, and thus avoids interfering with the free use of the top of the board throughout its length. At the free or lower end of the long frame is hinged a supporting leg made up of side pieces, 13 and 14, suitably connected together. In the arrangement shown, one of the connecting members between the parts 13 and 14 is a cross bar, 15, arranged a short distance below the upper ends of the mem-

bers 13 and 14; so that when the ironing board rests on the cross bar the upper ends of the members 13 and 14 will prevent lateral displacement. The upper end of the leg and the board may be interlocked, if desired. In Figs. 4 and 5 there is illustrated an arrangement for this purpose. On the under side of the board is placed a rib, 16, extending longitudinally and having a head or projection, 17. The bar 15 has a groove, 18, adapted to receive the rib 16 but smaller than the part 17. The result is that when the leg is swung up in place the rib will enter the groove and the inner face of the bar will strike the enlargement 17, preventing the leg from being swung inwardly too far. At the same time the leg and the board are interlocked against relative lateral displacement.

Suitable stop devices may be provided for preventing the swinging leg from being moved too far in either direction. In the arrangement shown, the braces, 19, of the swinging leg are extended far enough beyond the bars 13 and 14 to permit their ends to rest upon the bars 6 and 7 when the leg is swung into the position shown in dotted lines in Fig. 1. A cross piece, 20, between the lower ends of the bars 6 and 7 is adapted to engage with the swinging leg to prevent it from being swung outwardly too far.

The swinging leg is preferably mounted between the bars 6 and 7 and the braces thereon and on the vertical end frame are preferably so arranged that both of these elements may be swung into substantially the same plane between the sides of the long diagonal frame; so that the folded supports for the board occupy only as much space as the single diagonal frame alone. The supporting trunnions, 5, for the board are preferably spaced far enough below the plane of the board so that when the three supporting elements are folded together the board will not interfere with them but will lie flat just on top of the long frame as indicated in Fig. 3. The side members 3, 4, 6 and 7 are provided with notches, 21 and 22, in the edges thereof, so disposed that when the entire structure is collapsed and folded, each trunnion, 11, will lie in one of the notches 21 and one of the notches 22.

When the board is not in use and is collapsed it takes the flat compact form shown in Figs. 2 and 3. When it is unfolded and set up for use the parts take the positions indicated in full lines in Fig. 1; the board being firmly supported at each end. In case it be desired to slip a skirt or some other endless garment over the board, it is unnecessary to tilt the board in order to clear the swinging leg, but the free end of the board need only be raised or sprung a very slight amount to permit the cross bar, 15, to clear the stop 17, and then the leg may be swung down into the position shown in dotted lines in Fig. 1.

After the garment has been placed on the board, the leg may again be swung into an upright position. It will be seen that by placing the cross bar, 10, near one end of the board and the swinging supporting leg near the other end, a long clear space is left between them, so that a comparatively long garment can be slipped over the board and lie flat thereon. When the leg is swung down into the dotted line position the board will remain in a horizontal position, without requiring any attention on the part of the person using it, because it is effectually supported from the large end.

While I have shown an interlocking arrangement between the under side of the board and the swinging leg which makes necessary a slight relative vertical movement between the board and the leg to disconnect them so as to permit the leg to be swung inwardly, it will of course be understood that such interlocking arrangement is simply intended to be typical of catch or stop devices which may take a great variety of forms. Furthermore, while I have illustrated and described with particularity only a single preferred form of my invention, I do not desire to be limited to the exact structural details thus illustrated and described; but intend to cover all forms and arrangements which come within the terms employed in the definitions of my invention constituting the appended claims.

I claim:

1. In combination, two frame devices hinged together near one end of each, one of the frame devices being longer than the other, an ironing board hinged at one end to the shorter device between said hinge connection and the foot of said shorter device and having a part adapted to rest on the longer device and be held horizontal when the frame devices are set on the floor with the shorter device in an upright position.

2. In combination, two frame devices hinged together near one end of each, one of the devices being longer than the other, an ironing board hinged at one end to the shorter device near the hinged end of the latter and projecting through the other device, said board having a part near its hinged end adapted to rest on the longer device when both devices are set on the floor with the shorter device in an upright position.

3. In combination, two frame devices hinged together near one end of each, one of the devices being longer than the other, an ironing board hinged at one end to the shorter device near the hinged end of the latter and projecting through the other device, said board having a part near its hinged end adapted to rest on the longer device when

both devices are set on the floor with the shorter device in an upright position, and a supporting leg for the free end of the board movably connected with the longer frame device.

4. In combination, two frame devices hinged together near one end of each, one of the frame devices being longer than the other, an ironing board hinged at one end to the shorter device between said hinge connection and the foot of said shorter device, said ironing board and the longer of said frame devices having interlocking parts so located as to engage with each other and cause the board to be held in a horizontal position when the frame devices are set on the floor with the shorter device in an upright position, said interlocking parts serving also to prevent said frame devices from changing their angular positions when they are set on the floor as aforesaid.

In testimony whereof I sign this specification.

VICTOR M. DE CANO.