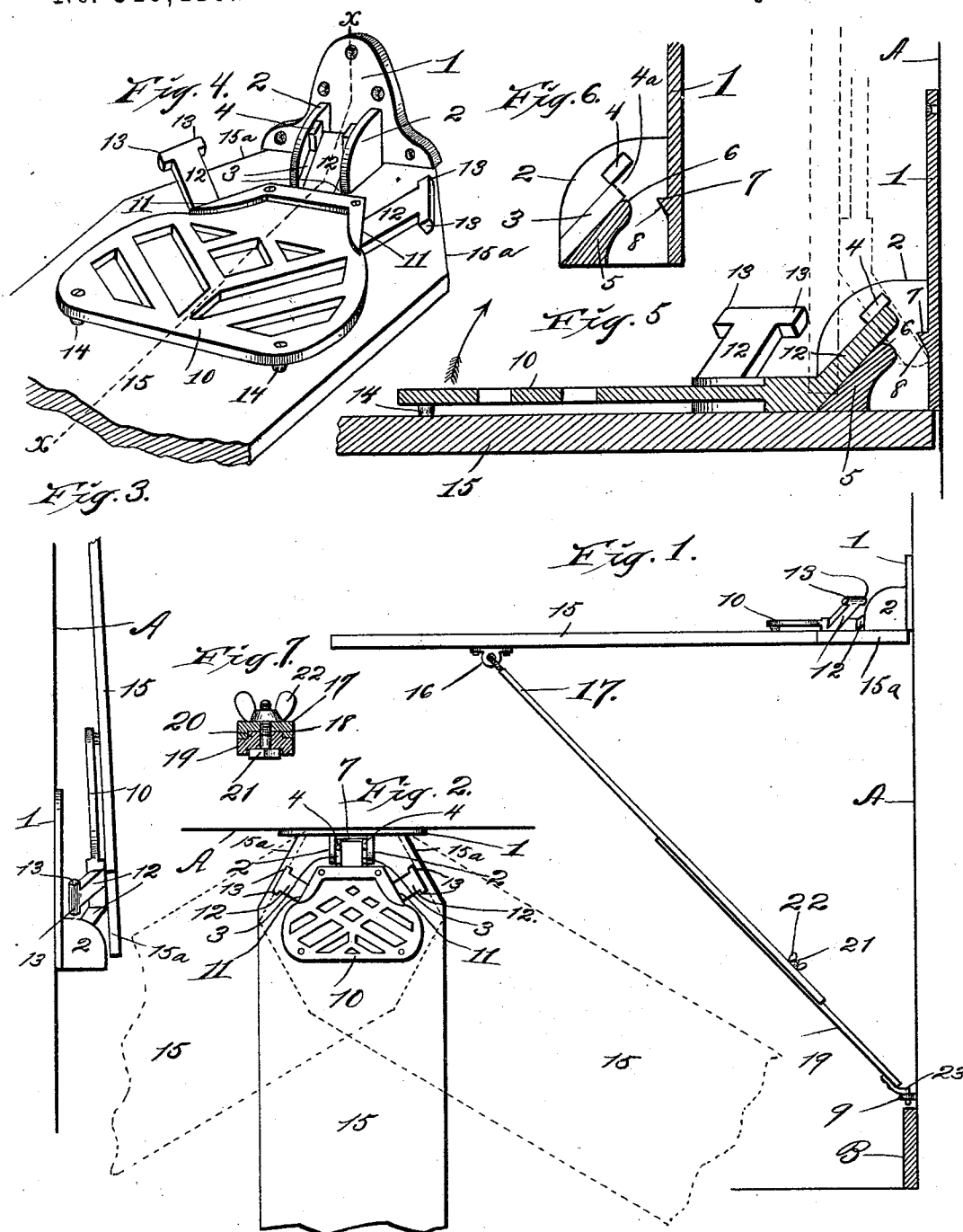


(No Model.)

J. Y. MOORE.
IRONING BOARD.

No. 519,410.

Patented May 8, 1894.



Witnesses:-

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Inventor:-

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By

attys.

UNITED STATES PATENT OFFICE.

JOHN Y. MOORE, OF KANSAS CITY, MISSOURI, ASSIGNOR OF TWO-THIRDS
TO WILLARD F. NICOL AND THOMAS P. DOUGLAS, OF SAME PLACE.

IRONING-BOARD.

SPECIFICATION forming part of Letters Patent No. 519,410, dated May 8, 1894.

Application filed June 10, 1893. Serial No. 477,155. (No model.)

To all whom it may concern:

Be it known that I, JOHN Y. MOORE, of Kansas City, Jackson county, Missouri, have invented certain new and useful Improvements in Ironing-Boards, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in ironing board supports; and the objects of my invention are to produce an attachment capable of supporting the board in a variety of horizontal or approximately horizontal positions so as to make it more convenient for the ironer, and also capable of supporting the board in an approximately vertical position and entirely out of the way of persons passing through the room.

With these objects in view, my invention consists in certain peculiar and novel features of construction and combinations of parts as will be hereinafter described and claimed.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1, is a side elevation of the supporting device secured to the wall of a room, and showing supported in operative position thereby an ironing board, and also showing a diagonal brace therefor. Fig. 2, is a top plan view of the same. Fig. 3, is a side elevation of the attachment, and showing the ironing board supported in its inoperative or folded position. Fig. 4, is a detail perspective view of the device and also showing a position of the ironing board carried thereby. Fig. 5, is a vertical central longitudinal section taken on the line $x-x$ of Fig. 4. Fig. 6, is a vertical sectional view of the bracket of my supporting mechanism. Fig. 7, is a cross sectional view showing the manner by which the portions or sections of the diagonal brace are clamped together.

In the drawings, 1 designates the vertical or wall-plate of the supporting bracket; this plate being adapted to be secured by screws or in any other suitable manner to the wall of a room at a suitable distance above the floor, and projecting therefrom and parallel

with each other are the outwardly extending ears 2—2. Arranged in the same inclined plane and directly opposite each other are the guide strips 3—3, one of these strips being secured to the inner side of each ear 2. Formed or secured also to the inner side of each ear 2 are the retainer-blocks 4; these blocks extending at the same inclination as the guide-strips 3, and are arranged so that their lower and outer corners shall be adjacent to the upper and inner corners of said guide strips 3; thus forming a recess 4^a at the upper ends of the guide strips 3 and beneath the retainer-blocks 4, the object of which will be presently explained. The vertical ears 2 are also connected at their front lower portions by the bridge-plate 5; said plate having its outer or upper face arranged at the same inclination and in the same inclined plane with the lower margins of the guide strips 3, and having its upper end preferably rounded at 6 as shown. Extending transversely and horizontally of the wall plate and connecting the vertical ears 2 is a shoulder 7; said shoulder being arranged opposite the upper end of the bridge-portion 5, and formed preferably integral with the bracket. This shoulder 7 is also preferably formed with an inclined beveled outer face 8; this inclined face being arranged approximately at right angles to the inclination of the guide strips 3.

Secured in the wall A a slight distance above the base-board B and vertically beneath the central portion of the bracket plate 1 is an eye bolt 9; said bolt being arranged horizontally as shown. A plate 10 of skeleton or other light form has its front and rear margins preferably parallel, and is formed at its rear portion with the inclined sides 11; said sides diverging outwardly or forwardly from the rear end at approximately equal angles relative to the rear margin of the plate. When the plate 10 is in a horizontal position an arm 12 projects outwardly and upwardly at an inclination equal to the inclination of the guide strips 3, and at right-angles to the rear margin of the plate, and similar arms project outwardly at right angles, and at a corresponding inclination, to each side margin 11 of said plate. These arms or extensions 12 are each formed at their outer ends with the laterally

extending lugs or extensions 13, the object of which will be hereinafter referred to. The horizontal or body-portion of this plate 10 is preferably of reduced thickness, and is formed at its lower side and near its front corners with the downwardly projecting bosses or enlargements 14; these bosses extending downward to a point in the same horizontal plane with the lower side of the rear portion of the plate 10. Secured near its rear or inner end to the under side of the plate 10 by means of screw-bolts or other suitable means, which are adapted to pass through said bosses or enlargements 14, and the rear portion of said plate, is the ironing board 15, and said board is formed also at its rear end with the oppositely inclined sides 15^a; said inclined sides being arranged to extend parallel with the inclined sides 11 of the plate 10, the object of which will appear in the description of the operation of the device.

When it is desired to secure the ironing board in operative position relative to the supporting bracket secured to the wall, it is elevated so that the rear or outer end of the desired arm 12 shall be slightly above the vertical ears 2. It is then lowered so that the extensions or lugs 13 thereof shall pass vertically between said ears and rearward of the rear or inner sides of the retainer-blocks 4, the arm or neck 12 in the meantime passing vertically between said retainer-blocks. The board is then moved horizontally outward so that the extensions or lugs 13 of the arm shall enter the recesses 4^a and come in contact with the under side of the retainer-blocks 4 and the upper ends of the guide-strips 3. The board is now released and the under side of the inclined arm or neck 12 rests squarely upon the correspondingly inclined outer or upper side of the bridge-portion 5 connecting the ears 2, and at the same time the rear end of the ironing board 15 at its upper side engages under and against the lower end of the wall plate 1. By this arrangement it will be seen that the ironing board is secured in a horizontal position, and that by extending the rear end or portion of the ironing board 15 beneath the end of the wall-plate the retainer-blocks 4 and bridge portion 5 of the bracket are relieved of considerable strain due to the weight of the ironing board and also the pressure applied thereon by the ironer. In order to brace the outer end of the board, however, and also relieve the bracket of considerable strain, a bearing 16 is secured to the underside and a suitable distance from the outer end of the ironing board 15, and pivotally connected at its upper end to said bearing 16 is a strip or bar 17, which is formed preferably in its under side with a longitudinally extending groove 18. A similar strip or bar 19 is formed with a longitudinally extending rib or tongue 20 which engages the groove 18, and in order to clamp these bars together at any desired point a bolt 21 carried by the bar 19 passes through a slot in the grooved bar 17, and has its pro-

jecting end engaged by a clamping wing-nut 22. The lower end of the strip or bar 19 is also provided with a bracket plate 23, the depending and vertical end of which is adapted to removably enter the eye-bolt 9. By means of this connection between the inclined brace bars 17 and 19, it will be seen that the board if desired, may be placed in positions other than the horizontal, if desired.

If it is desired for the sake of room or for other reason, one of the arms 12 projecting from the inclined sides, 11, of the plate 10 may be engaged between the vertical ears of the supporting bracket as before described; this arrangement being adapted to support the ironing board in one or the other of the positions shown in dotted lines, Fig. 2. In this case also the ironing board is supported at its rear end by the corresponding inclined side 15^a engaging under the end of the wall-bracket as already described, and a longitudinal adjustment of the bars 17 and 19 allows them to be extended sufficiently to brace the outer end of the ironing board in this position also. When it is desired to fold or place the ironing board in its inoperative position, the plate 23 is disengaged from the eye-bolt 9, and the outer end of the ironing board is raised, causing the pivotal operation of the lower side of the arm or neck 12 upon the rounded side 6 of the bridged portion 5 of the wall bracket as will be understood readily from reference to Fig. 5. The continued upward movement of the ironing board causes, when a certain point is reached, the inner end and normally upper side of said arm or neck to bear against the inclined outer side 8 of the transverse and horizontal shoulder 7, and the normally lower side of said arm or neck will bear against the upper end of said bridge-portion 5, as clearly shown in Fig. 5 in dotted lines. It will thus be seen that it will be impossible for the ironing board to be removed from its bracket without being first lifted upwardly and outwardly in a direction corresponding to the inclination of the face 8 of the shoulder 7, and then lifted upward so that the extensions or lugs 13 may pass vertically between the retainer-blocks 4 and the wall plate of the bracket. When it is desired, however, simply to return the ironing board to its operative position, it is lifted in a direction corresponding to the inclination of the face 8 a suitable distance and is then moved pivotally downward and outward in a direction the reverse of that already described.

From the above description, it will be seen that I have produced an attachment capable of supporting the board in a variety of positions, and also capable of supporting the board in an approximately vertical position and entirely out of the way of people passing through the room, and also an attachment which is simple, strong, durable and inexpensive of construction and which if broken may be easily and cheaply replaced, and which is easily operated.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An ironing board attachment, comprising a wall-bracket, having a pair of vertical ears, and an inclined bridge-portion, and retainer-blocks secured to the inner sides of said vertical ears, in combination with a plate carrying the ironing board, and having an arm inclined to correspond with the inclination of the bridge-portion of the wall bracket, and lateral extensions or lugs formed at the ends of said arm, substantially as and for the purpose set forth.

2. In an ironing board attachment, the combination with a wall-bracket having vertical ears and an inclined bridge-portion connecting said ears, and retainer-blocks at the inner sides of said ears, of a plate having its rear end adapted to be arranged parallel with the wall, and having forwardly or outwardly divergent sides, and arms or necks projecting from the rear end at right angles thereto and also from and at right angles to the oblique or inclined sides thereof, and having lateral extensions or lugs at their outer ends, and an ironing board secured to the under side of the plate, and having its rear end parallel with the rear end of the plate, and having oppositely inclined or oblique sides parallel with the inclined sides of said plate, substantially as and for the purpose set forth.

3. An ironing board attachment, comprising a wall-bracket having vertical ears, and parallel and inclined guide strips at the inner side of said ears, and parallel and inclined retainer-blocks at the inner side of said ears and also having their lower inclined sides in the same plane with the upper sides of the guide-strips, and a bridge-portion having its upper or outer side inclined and arranged in the same inclined plane with the

lower side of the guide-strips, in combination with a plate carrying the ironing board, and having an arm or neck extending therefrom at the same inclination as the guide-strips, and of width to lie snugly between the same to prevent lateral movement and adapted to rest against the inclined upper or outer side of the bridge-portion, and having lateral extensions or lugs adapted to bear against the under side of the retainer-blocks, substantially as set forth.

4. In an ironing board attachment, the combination with a wall-bracket having parallel vertical ears, and an inclined bridge-portion connecting said vertical ears, and a shoulder having an inclined face, of a plate carrying the ironing board and having an arm or neck projecting therefrom at an inclination to correspond with the inclination of the bridge-portion of the wall bracket, and adapted when folded to rest between said ears and against the inclined face of the shoulder and the upper end of the bridge-portion of the wall bracket, substantially as set forth.

5. The combination with a wall-bracket, an ironing board having a squared rear end, and oppositely inclined or beveled sides, and a plate secured to the board, and having arms projecting outwardly and at right angles to the squared end and inclined sides of the ironing board, any one of which may engage the wall-bracket, of an extensible and contractible brace pivotally connected to the board at its upper end, to operate in a vertical plane, and pivotally supported at its lower end, to operate laterally, substantially as set forth.

In testimony whereof I affix my signature in the presence of two witnesses.

JOHN Y. MOORE.

Witnesses:

MAUD FITZPATRICK,
G. Y. THORPE.