

E. J. WOLFROM.
Ironing-Board.

No. 200,158.

Patented Feb. 12, 1878.

FIG.1.

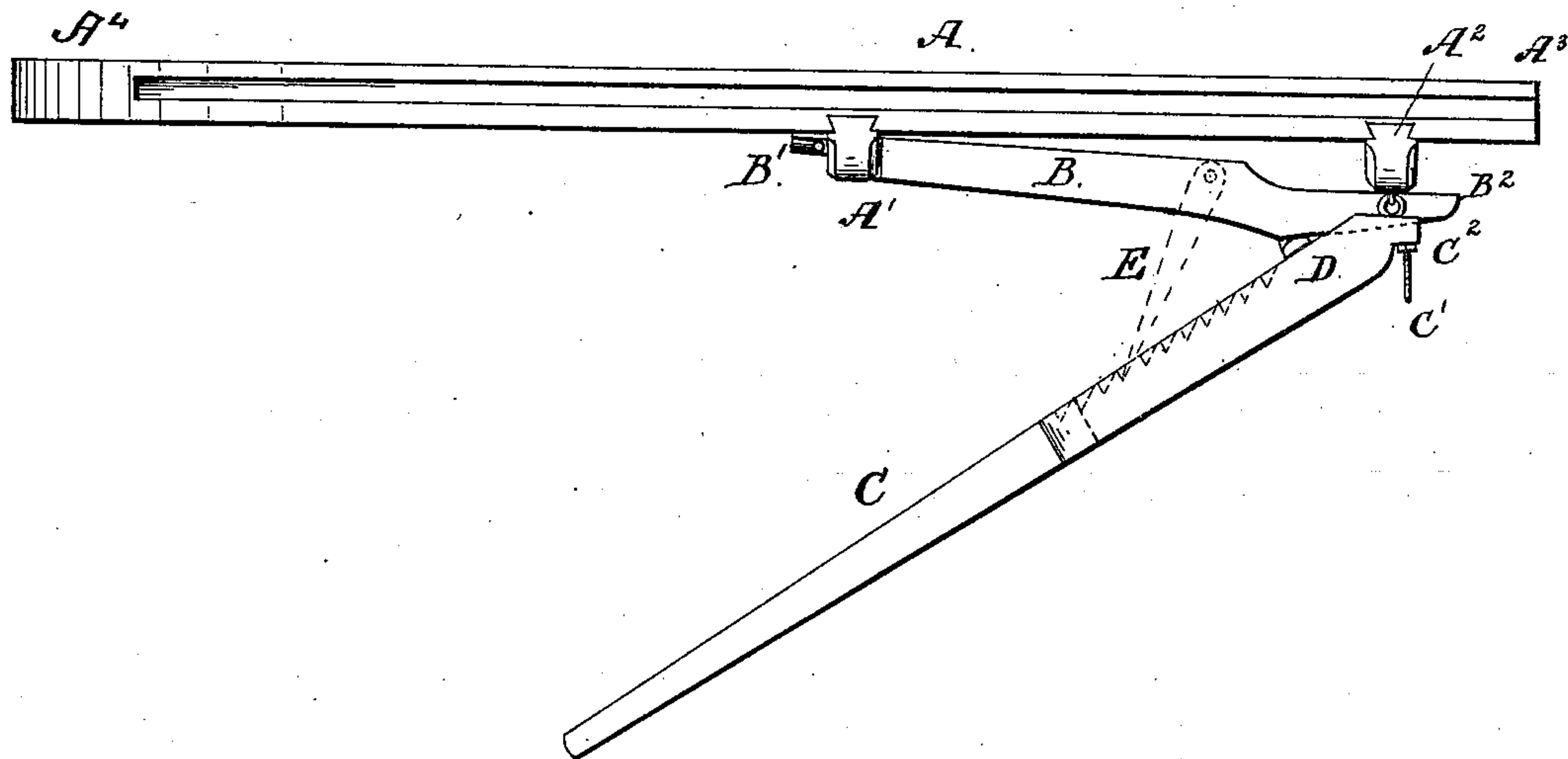
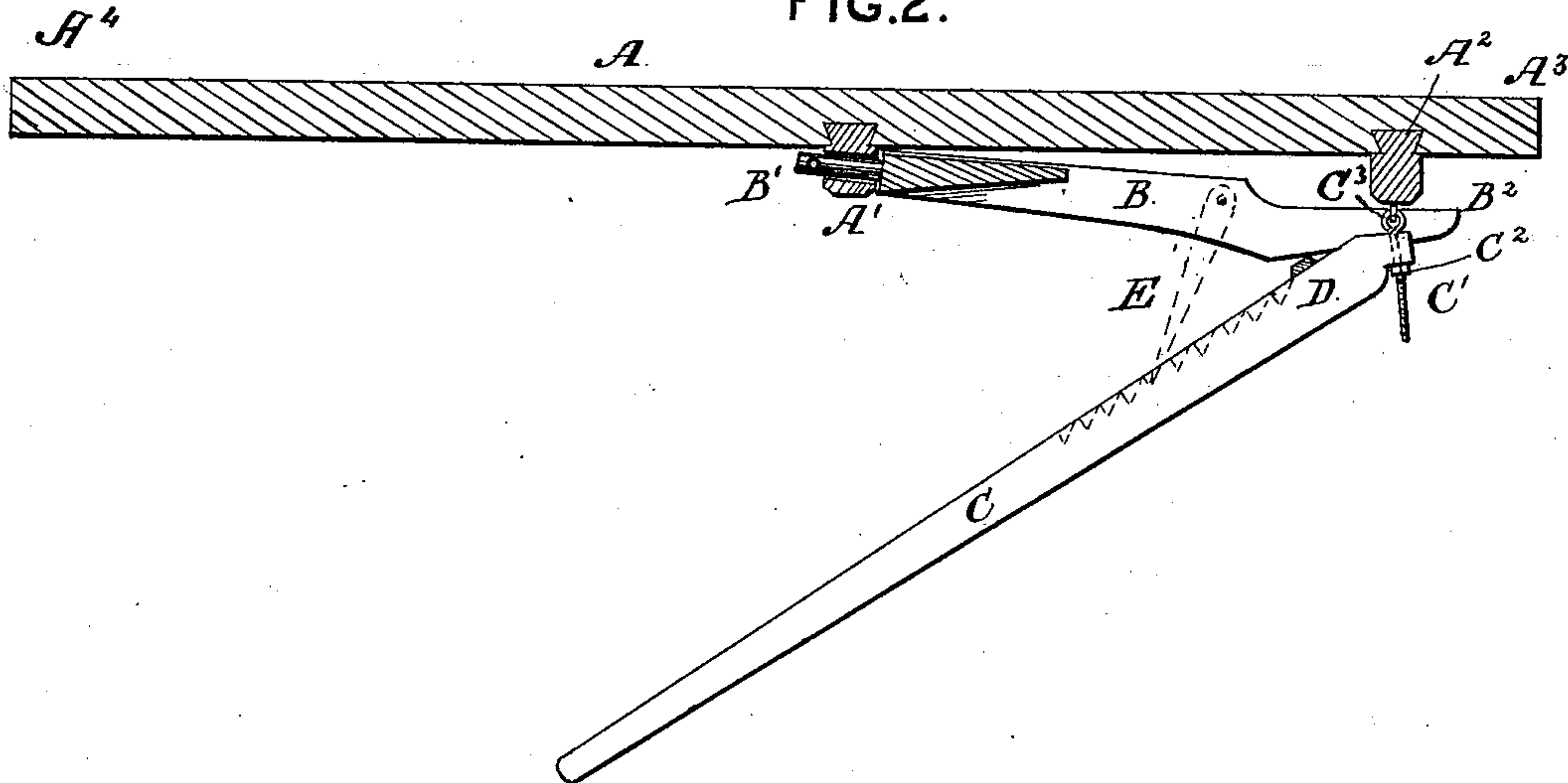


FIG.2.



WITNESSES

Sam R. Turner
J. B. Holderby

INVENTOR

Eli J. Wolfrom
By R. O. & A. P. Lacey
ATTORNEYS

UNITED STATES PATENT OFFICE.

ELI J. WOLFROM, OF WASHINGTONVILLE, OHIO.

IMPROVEMENT IN IRONING-BOARDS.

Specification forming part of Letters Patent No. **200,158**, dated February 12, 1878; application filed November 19, 1877.

To all whom it may concern:

Be it known that I, ELI J. WOLFROM, of Washingtonville, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Ironing-Boards; and I do hereby declare that the following is a full, clear, and exact description of my invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide a clamp whereby the ironing-board may be readily attached to the edge of a table or other suitable place, so that the pressure on the top of the board will increase the binding force of the clamp, and whereby the entire length of the board may be utilized for the purpose of ironing such garments through which the board must be slipped.

It consists in a swinging yoke or clamp pivoted to the under side of the board, with capability of automatic adjustment to any thickness of flange or table to which the ironing-board may be attached, together with other improvements, all arranged and operating as hereinafter fully described.

In the drawings, Figure 1 is a side elevation, and Fig. 2 is a vertical longitudinal section, of an ironing-board with my improvements attached thereto.

A is the ironing-board, which is made of ordinary form, having its outer or free end A^4 rounded, as shown, to facilitate the operations of ironing; and it is provided with the cross-bar A^2 , affixed near the butt-end A^3 , and with the central cross-bar A^1 arranged between the cross-bar A^2 and the free end A^4 , as shown.

B is the swinging clamp or yoke, having one end pivoted or otherwise suitably attached to the under side of the board by a pin, B^1 , arranged between the point or cross-bar A^2 and the free end A^4 of the board A, while its opposite end, B^2 , extends over the cross-bar A^2 nearly to the butt-end A^3 . It has an independent vertical swinging movement on its pivotal point, and its end B^2 will drop down or open by its own gravity when not held by

the leg C, and thus automatically adjust itself to any thickness of board, table, or flange to which the ironing-board is to be affixed.

C is the supporting-leg, which is hinged to the cross-bar A^2 by staple and screw-eye, as shown. The screw or stem C^1 of the screw-eye C^3 is made long, as shown, so that the nut C^2 may be moved and the end of the leg slipped up or down, as desired, and thus provide means of adjustment whereby the position of the leg may be adapted to the position of the clamp.

The clamp B crosses the cross-bar A^2 close by the point where the leg C is hinged, and it is made either with or without a slot, as may be desired. If it be made slotted, or with two jaws projecting over the cross-bar A^2 , the leg C will be pivoted between the said jaws; but if it be made of a single jaw the leg should be slotted and secured by two staples and screw-eyes, in which case the single jaw of the clamp will pass through the slot.

Both the leg C and the clamp B are arranged on the central longitudinal line of the board, so that perfect equilibrium will be preserved in all the parts.

A very good result would be obtained, were there no slots formed in either clamp or leg, by having the end B^2 pass close alongside the pivotal point of the leg; but such an arrangement would throw the line of support a little out of the center.

D is a bearing or fulcrum placed between the leg and clamp, and arranged to press against and force the jaw B^2 against the under side of the board or flange to which the ironing-board may be attached. It may be affixed to either the leg or clamp, as the construction of the several parts may require. It is arranged so as to exert its force between the pivotal points of the clamp and leg.

In Fig. 2 of the drawings I have shown the yoke B made with a slot, and the leg C passing through the slot. In Fig. 1 I have indicated by dotted lines the leg with a slot, and yoke passing through the leg. I have also indicated in dotted lines E another means by which a bearing may be provided and the yoke clamped.

I do not confine myself to any particular kind of bearing, as there are numerous modes

by which a proper fulcrum for the leg may be provided.

In the operation of the device the end A^3 of the board A is passed over the top of the table until the edge of the latter comes against the cross-bar A^2 , and between the projecting end B^2 and the under side of the board. The weight of the board is then permitted to rest on the leg, which brings the fulcrum of the latter against the yoke, and presses the end of the latter against the under side of, and binds the board firmly to, the table.

It will be readily understood that the greater the weight or pressure put on the board A the stronger will be the hold of the yoke.

The yoke and leg can be folded so as to be out of the way when the board is not in use.

It will be seen that there are no under-braces to this ironing-board, so that garments may be slipped on as far as the fulcrum D, thus utilizing the whole, or nearly the whole, length of the board.

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

The combination, with the board A and leg C, hinged near to the rear or butt end of the board A, of the clamp B, having one end pivoted to the under side of and between the pivotal point of the leg C and the outer or free end of the board A, while its outer end has an independent vertical movement, and extends past the pivotal point of the leg, and near to the butt or rear end of the board and fulcrum D, all arranged to operate substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I hereto affix my signature in presence of two witnesses.

ELI J. WOLFROTH.

Witnesses:

H. F. CHRISTY,

W. S. FAIRFIELD.