

No. 671,241.

Patented Apr. 2, 1901.

F. H. SMITH.
IRONING BOARD.

(Application filed Aug. 20, 1900.)

(No Model.)

Fig. 1.

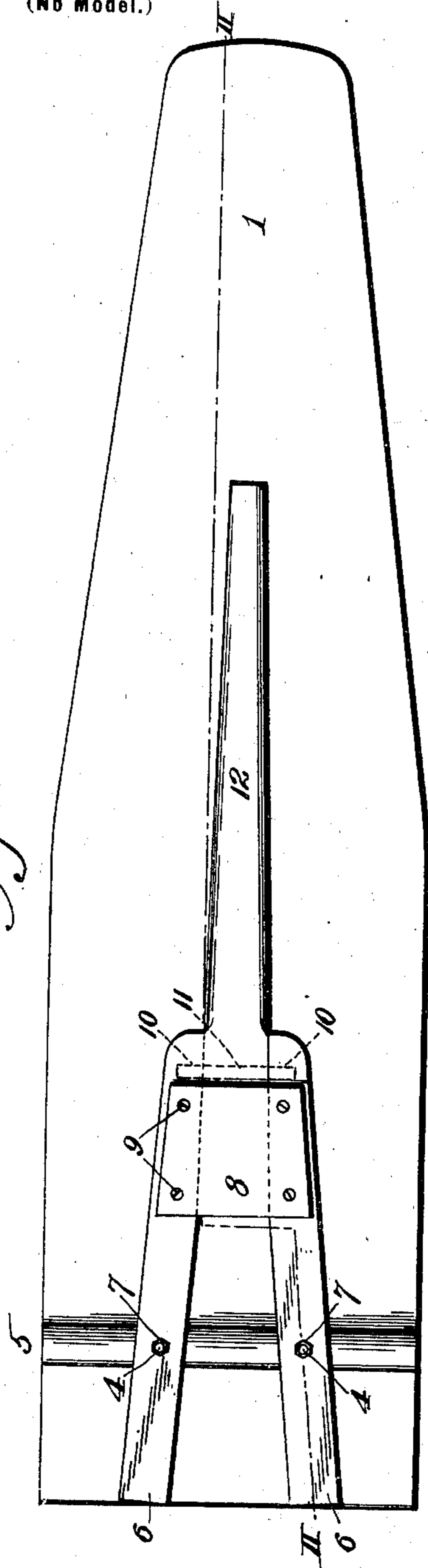


Fig. 3.

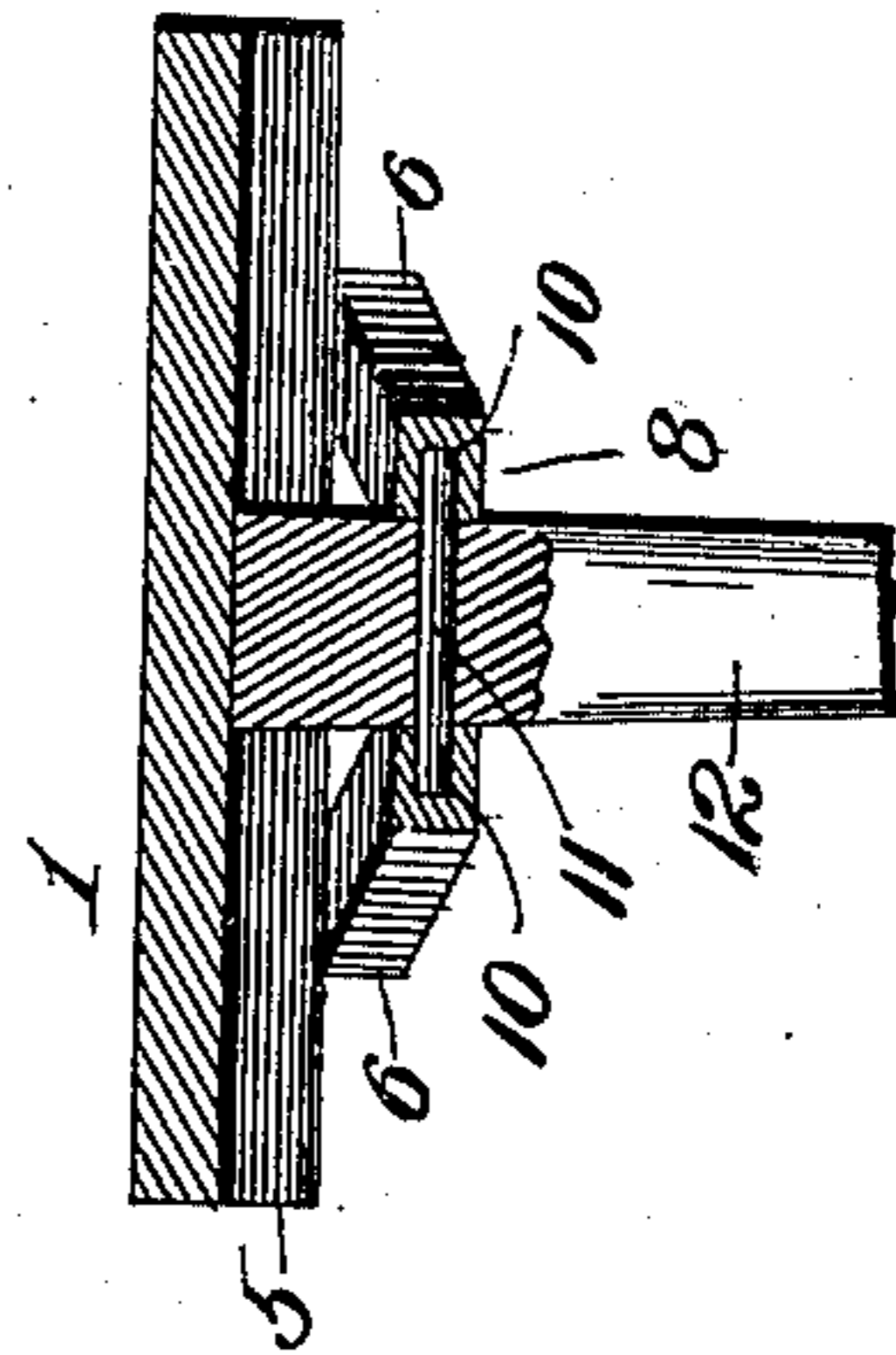
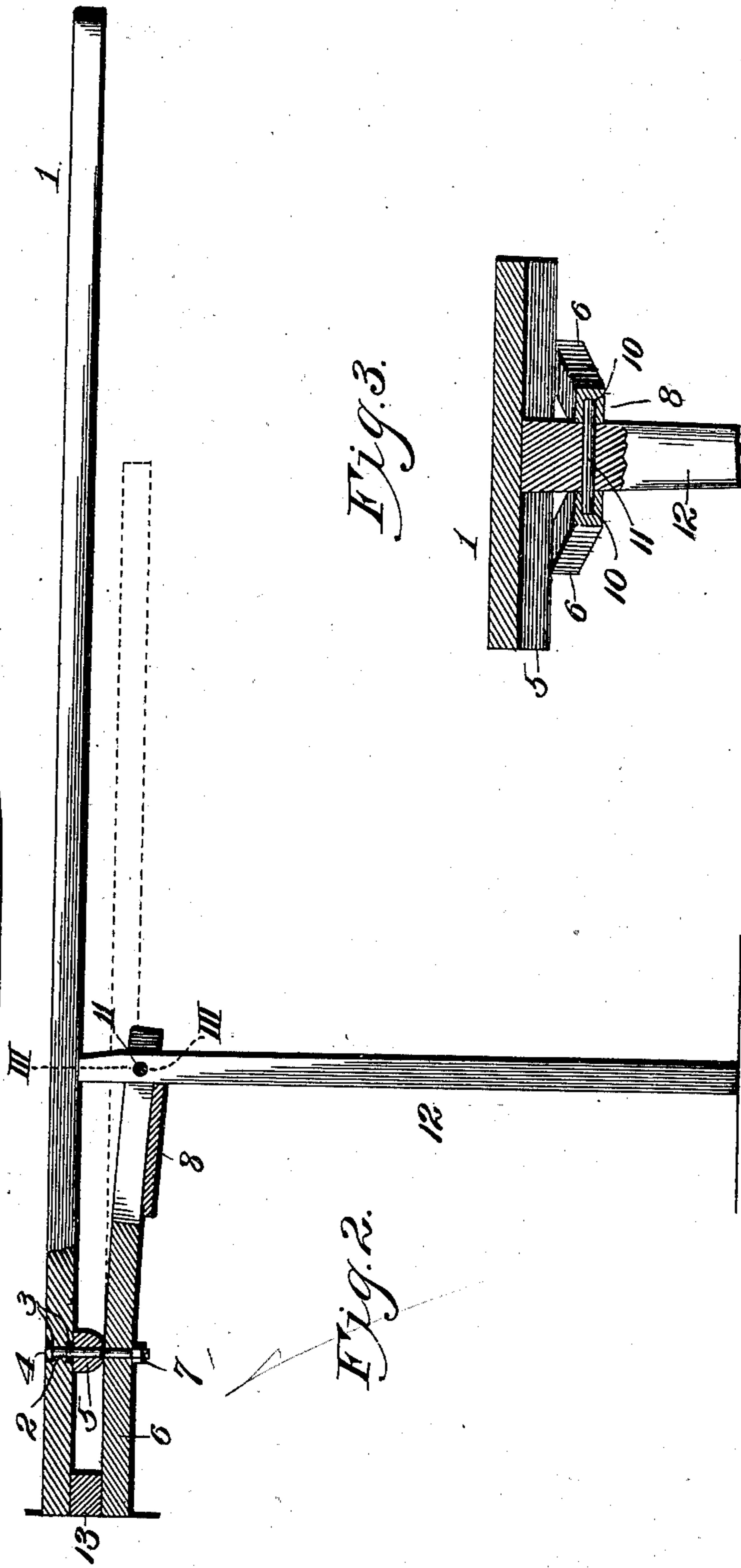


Fig. 2.



Witnesses:

H. C. Rodgers.
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UNITED STATES PATENT OFFICE.

FRANK H. SMITH, OF KANSAS CITY, KANSAS, ASSIGNOR TO W. F. LANGLEY,
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IRONING-BOARD.

SPECIFICATION forming part of Letters Patent No. 671,241, dated April 2, 1901.

Application filed August 20, 1900. Serial No. 27,391. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. SMITH, a citizen of the United States, residing at Kansas City, Wyandotte county, Kansas, have invented a new and useful Ironing-Board, of which the following is a specification.

My invention relates to ironing-boards of that class which can be easily attached to or detached from the support, such as a wall-strip or table, and which will maintain an operative position reliably irrespective of the weight imposed thereupon; furthermore, an ironing-board which is extremely simple, cheap, and durable of construction.

To these ends the invention consists in certain novel and peculiar features of construction and combinations of parts, as hereinafter described and claimed; and in order that it may be fully understood reference is to be had to the accompanying drawings, in which—

Figure 1 represents an inverted plan view of an ironing-board in its folded or inoperative position. Fig. 2 represents a side view in its operative position. Fig. 3 represents a section taken on the line III III of Fig. 2.

In the said drawings, 1 designates the ironing-board of the usual or any preferred configuration and provided near its rear end with the vertical holes 2, enlarged, preferably, at their ends, as shown at 3, to provide countersinks for the heads of bolts 4, accordingly as one side or the other of the board is presented uppermost. In case the upper surface of the board should become burned or charred the bolts could be easily withdrawn, the board reversed, and said bolts replaced in the holes. 5 designates a transverse strip or cleat underlying the board and having holes to receive said bolts. 6 designates a pair of bars fitting upon the lower ends of said bolts and clamped thereon and up against strip 5 by nuts 7, the arrangement being such that the bolts are allowed a very slight play or pivotal action in a vertical plane of said bars. Said bars by preference converge forwardly and are connected by the brace plate or block 8, screws 9 being preferably employed to make the connection. Forward of said brace plate or block the bars are provided with blind holes 10, bored from their inner sides, and journaled in said holes is a pin 11, upon which is mount-

ed the leg or support 12, the upper end of said leg from the axis of said pivot exceeding in length the distance normally between said pivot and the under side of board 1 in order that when the supporting-leg is thrown from its folded position (see Fig. 1 and dotted lines, Fig. 2) to its operative or vertical position (see Fig. 2) its upper end by pressing against the under side of the unyielding board 1 shall cause the bars 6 to operate pivotally upon bolts 4, the result being to clamp the rear ends of board 1 and said bars with great power upon the upper and lower sides, respectively, of the wall-strip 13, secured to the wall or wainscoting of a room, or said strip may represent the edge of a table, because the leg 12 is of the same length as standard-sized table-legs. It will be noticed in this connection that when occupying its operative position the leg below its pivotal point abuts against the front edge of the brace-plate, which thus serves to prevent the structure collapsing by carelessly throwing the leg rearward of a vertical position in setting up the device.

The material of which the ironing-board is constructed being wood it is obvious that in the clamping action above described the front ends or portions of bars 6 may spring downward, substantially as shown in Fig. 2. Of course with sufficient pivotal action it would not be necessary for the bars 6 to spring, as shown, provided they were perfectly rigid; but for compactness, lightness, and cheapness of construction I prefer that herein shown.

When the board is folded, as shown in Fig. 1 most clearly, the upper end of the leg fits snugly between the front ends of bars 6 and rests lightly upon the plate or block 8, which it will be understood, is the only piece employing screws or nails to secure it in position, this being permissible because there is practically no strain imposed thereon.

To secure the device in operative position upon strip 13 or its equivalent, it is fitted in its folded position upon said strip with the board above and the bars 6 below and then clamped rigidly thereon by swinging the leg down to a vertical position upon the floor, the upper portion of the leg acting as a lever which presses upward upon board 1, and thereby ele-

vates the rear ends of bars 6. It is detached as easily by simply swinging the leg up to its inoperative position.

From the above description it will be apparent that I have produced an ironing-board which embodies the features of advantage enumerated as desirable in the statement of invention, and while I have illustrated and described the preferred embodiment of the invention it is to be understood that it is susceptible of changes in its detail construction, proportions, and arrangement of the parts without departing from the essential spirit and scope.

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

An ironing-board, comprising the board proper, bars pivoted below and having a movable relation with the board, and extending substantially parallel therewith, a brace-plate connecting the bars near their front ends and in the plane of their under sides, and a leg pivoted to and between said bars and adapted when inoperative to rest upon said brace-plate, and when operative to bear against the front edge of the brace-plate below its pivotal point, substantially as described.

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

FRANK H. SMITH.

Witnesses:

H. C. RODGERS,
G. Y. THORPE.