

No. 669,154.

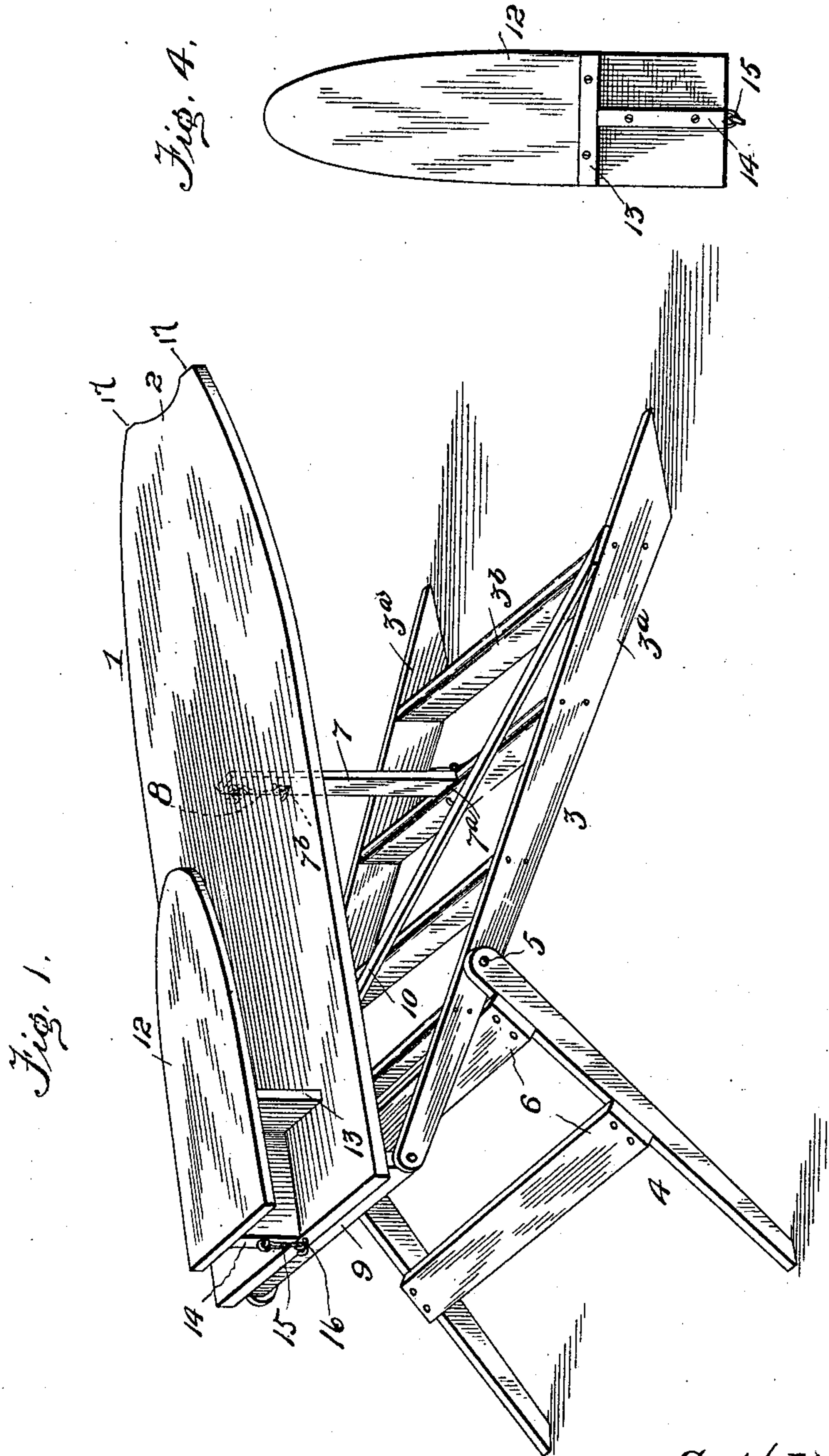
Patented Mar. 5, 1901.

S. H. WILLIAMS.
COMBINED IRONING BOARD AND STEP LADDER.

(Application filed June 14, 1900.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses
J. A. Griesbauer & Co.
J. H. Williams

Inventor
S. H. Williams
by *A. B. Wilson & Co.*
Attorneys

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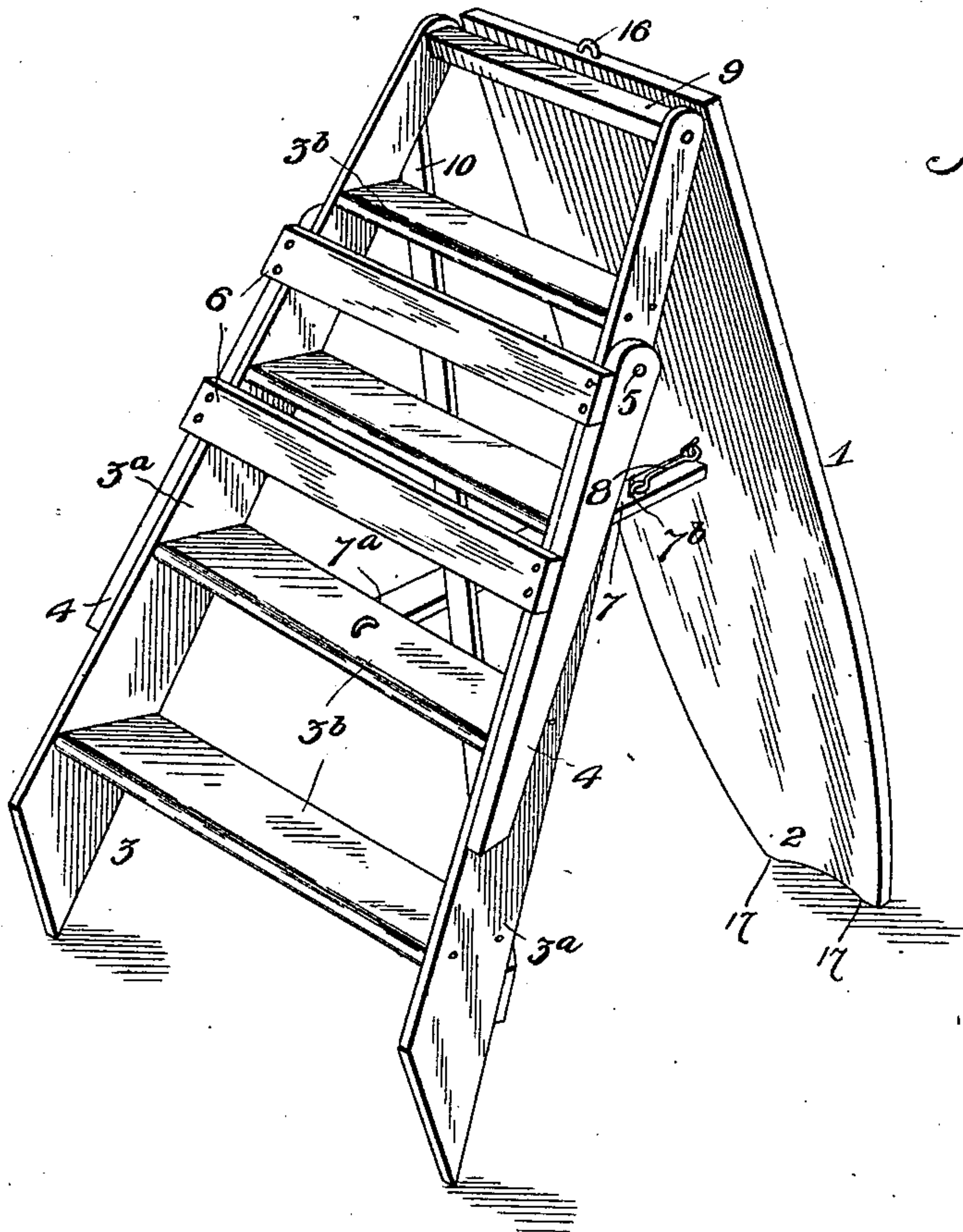
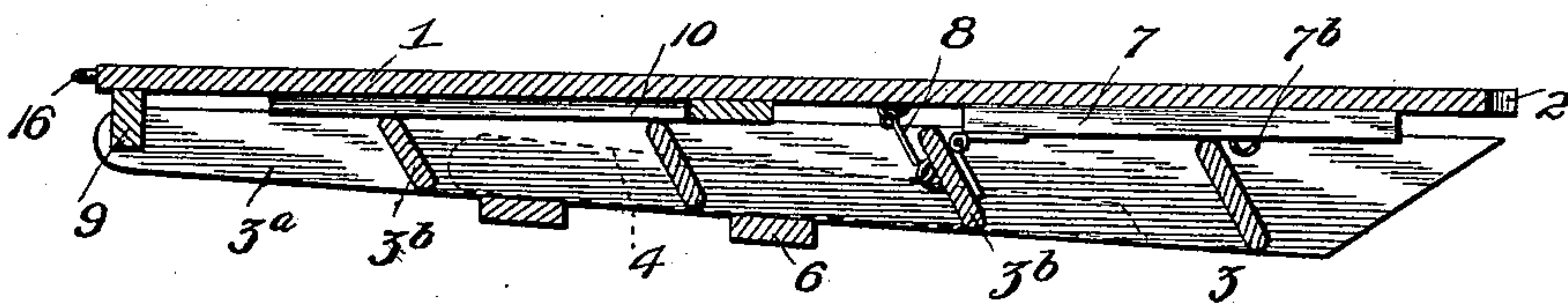


Fig. 2.

Fig. 3.



Witnesses

J. A. Greubauer &
J. H. Wilson

by

A. B. Wilson & Co.

Inventor

S. H. Williams

Attorneys

UNITED STATES PATENT OFFICE.

SION H. WILLIAMS, OF HORNBEAK, TENNESSEE.

COMBINED IRONING-BOARD AND STEP-LADDER.

SPECIFICATION forming part of Letters Patent No. 669,154, dated March 5, 1901.

Application filed June 14, 1900. Serial No. 20,319. (No model.)

To all whom it may concern:

Be it known that I, SION H. WILLIAMS, a citizen of the United States, residing at Hornbeak, in the county of Obion and State of Tennessee, have invented certain new and useful Improvements in a Combined Ironing-Board and Step-Ladder; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to combined ironing-boards and step-ladders.

One object of the invention is to produce such a combination which can be instantly transformed from an ironing-table to a step-ladder, or vice versa, which will be simple in the arrangement of its parts, light but strong in construction, the parts of which can be folded into a compact form when not in use, and which can be manufactured and marketed for a comparatively small cost.

A further object is to provide a sleeve-board attachment for the said ironing-board which can be easily attached and detached therefrom.

With these and other objects in view my invention consists in the construction and arrangement of the parts, as will hereinafter appear, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my device in position for use as an ironing-table and illustrating my sleeve-board in place. Fig. 2 is a similar view illustrating the device in use as a step-ladder. Fig. 3 is a longitudinal section through the device, illustrating the parts in a folded position. Fig. 4 is a detail view of the sleeve-board detached.

In the drawings, referring particularly to Fig. 1, 1 denotes the ironing-board, having a concaved or inwardly-curved narrow end 2, terminating in feet or bearings, for a purpose hereinafter to appear.

3 denotes the ladder-section completely provided with steps, the sides 3^a of which form when in the position shown in Fig. 1 one pair of the supporting-legs of the ironing-board. 4 denotes the other pair of supporting-legs, which are shorter than the said sides 3^a of the ladder and are pivoted at their inner ends by

pivot pins or bolts 5 upon the outer faces of said sides 3^a, near the upper ends of the latter. 6 denotes cross bars or braces extending across the front of the ladder and connecting the said legs 4. The lower ends of the sides 3^a of the ladder and the legs 4 are beveled off, as shown, to form a firm engagement with the floor.

7 denotes a brace-bar hinged at one end to one of the steps 3^b of the ladder in such a manner that when in position for supporting the ironing-board the lower end of the same will bear upon the said step, as shown at 7^a, to sustain the weight of the board. Near the upper end of the brace-bar 7 is a staple 7^b, which is adapted to be engaged by a depending hook 8, connected to an eye on the under side of the said board, which will prevent any tendency of the brace-bar to fall. When the device is used as a ladder, this brace-bar serves as a brace to hold the parts apart and will be hereinafter referred to in that connection.

9 denotes a cross-bar fixed to the under side of the ironing-board at its broad end, and to the ends of this cross-bar are pivoted the upper ends of the sides 3^a of the ladder 3, forming one pair of its supporting-legs, the ladder 3 being narrow at its upper end, where the sides 3^a join the bar 9, and diverging toward its lower end to form a broad base, thus making the device less liable to tip over.

10 denotes a diagonally-arranged brace-bar connecting one side of the ladder to the opposite side, and thereby increasing the rigidity of the same.

12 denotes a detachable sleeve-pressing board conforming to the usual shape of such boards and having fixed to the under side thereof, near the broad or attaching end, a transversely-arranged board or foot 13, and 14 denotes a second board or foot, also fixed to the under side of the pressing-board, but arranged lengthwise thereof and centrally thereto between the transverse board 13 and the end of the sleeve-board, as shown, this arrangement forming a T-shaped support at the broad end of the said pressing-board, and which is adapted to rest upon the top of the ironing-board 1, adjacent to the broad end of the same.

15 denotes a hook pivoted to the end of the

foot 14 and which is adapted to engage an eye 16 in the adjacent end of the ironing-board to prevent any possibility of the sleeve-board tilting when the board is being used.

5 Referring particularly to Fig. 2, wherein my device is shown as a step-ladder, it will be seen that in order to transform the ironing-table into a step-ladder all that is necessary is to remove the sleeve-board and stand the
10 parts, as they are arranged in Fig. 1, on end, and upon folding back the legs 4 upon the ladder 3 the device is ready for use as a step-ladder.

As will be seen, the ironing-board forms the
15 rear inclined support for the ladder and having, as hereinbefore mentioned, the lower end thereof concaved, as at 2, terminating in feet or bearings, which will rest firmly on the floor at that point, and the brace-bar 7, remaining
20 in position, as in Fig. 1, will serve as a brace to lock the parts of the ladder in their extended position.

It will be noted that when the device is used as an ironing-table the uppermost one of the
25 braces 6 extends across the outer or front side of the ladder and supports the same. By this construction the use of auxiliary supports for this purpose is dispensed with and at the same time the strain is taken off the
30 pivots 5 in an obvious manner.

To fold the parts so that they will occupy but small space when not in use, the brace-bar 7 is simply unhooked and allowed to drop down against the ladder portion, when the
35 board and ladder may be folded together, as shown in Fig. 3, and set aside until again needed for use.

The device is so constructed that when in either of its positions it may be picked up and

40 moved from one place to another without liability of the parts collapsing.

From the foregoing description, taken in connection with the accompanying drawings, the construction and advantages of my combined device will be readily apparent, and
45 further description thereof is not deemed necessary.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of
50 this invention.

Having thus described my invention and pointed out its merits, what I claim, and desire to secure by Letters Patent, is—
55

A combined step-ladder and ironing-board, comprising in its construction an ironing-board, a ladder-section completely provided with steps, hinged or pivoted at one end to the ironing-board, legs pivoted upon the outer
60 faces of the sides of the ladder and provided with braces, the top brace being adapted to serve as a support on which the said hinged or pivoted end of the ladder rests, when the ladder and legs are extended to support the
65 ironing-board, a brace-bar hinged to one of the steps of the ladder-section, and adapted to support the ironing-board, and fastenings for securing the free end of said brace to the ironing-board, as and for the purpose set forth.
70

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

SION H. WILLIAMS.

Witnesses:

J. W. DARNALL,
J. W. WILSON.