

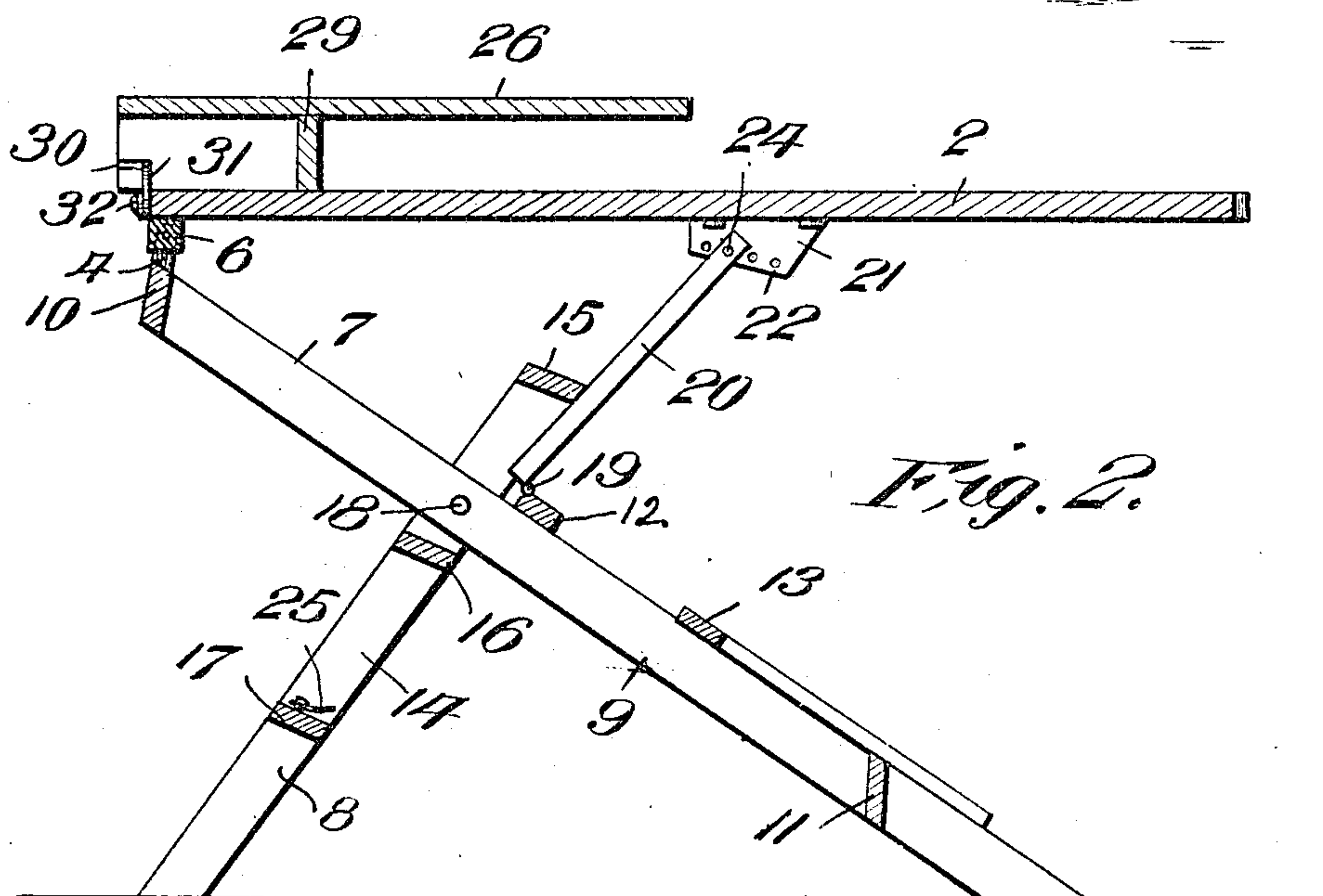
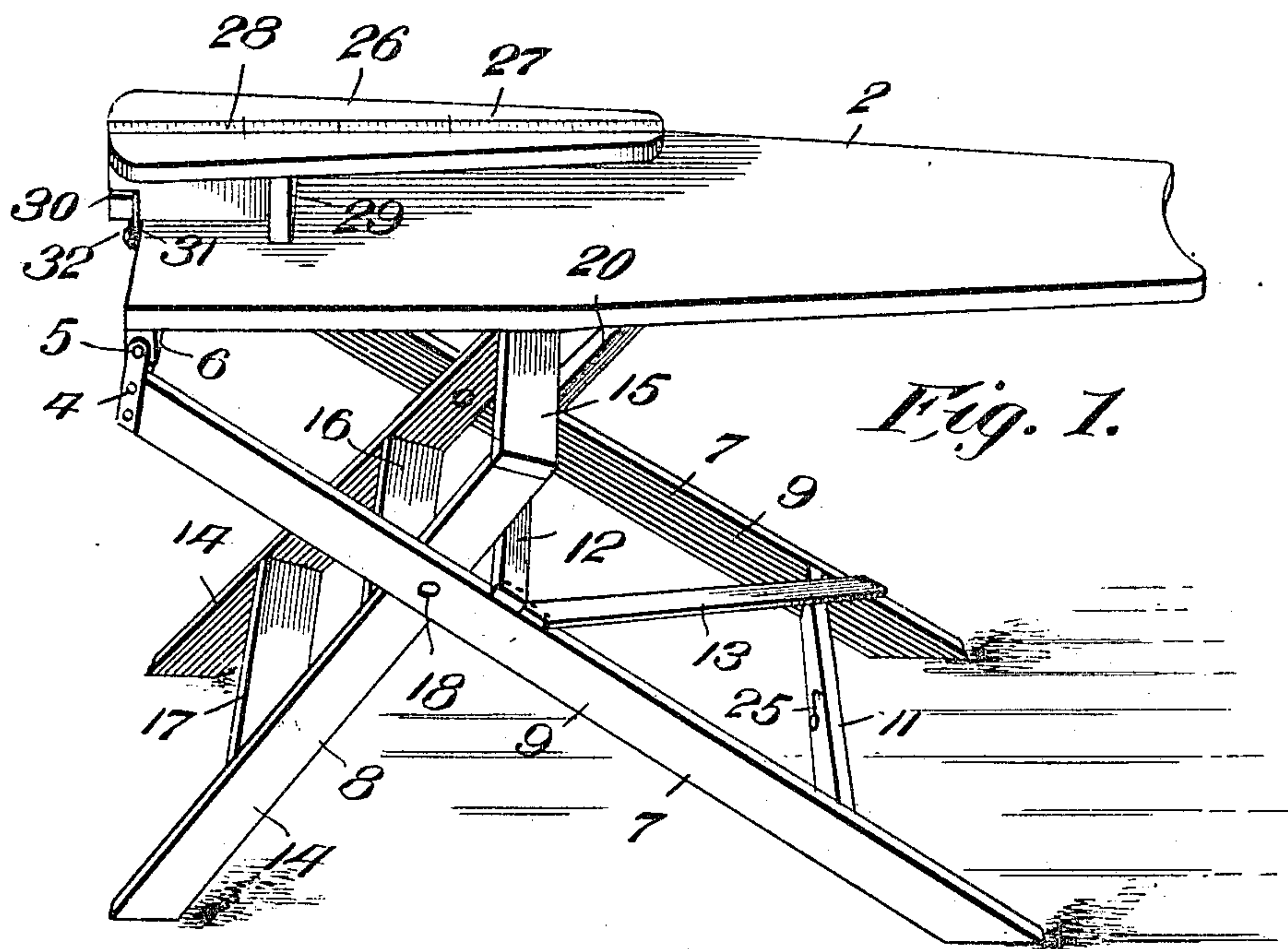
No. 831,692.

PATENTED SEPT. 25, 1906.

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

APPLICATION FILED NOV. 6, 1905.

2 SHEETS—SHEET 1.



Witnesses

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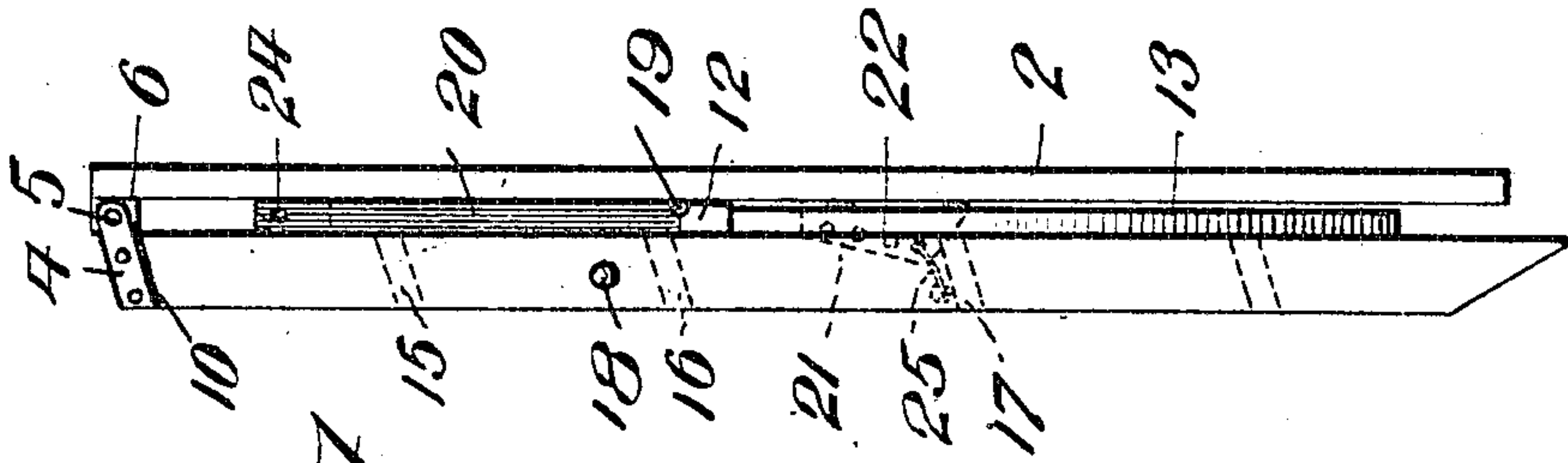


Fig. 4

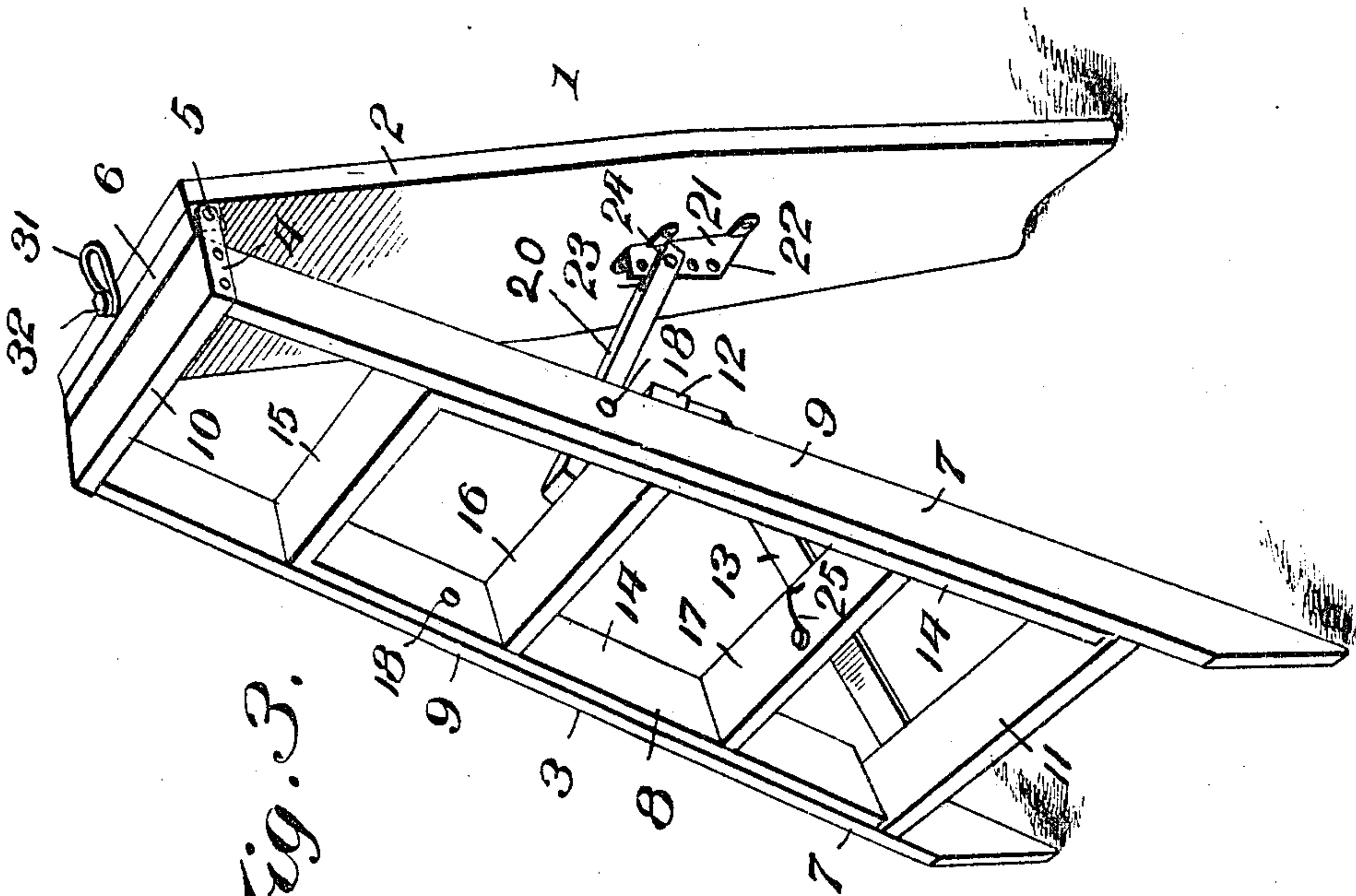


Fig. 3.

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UNITED STATES PATENT OFFICE.

SION H. WILLIAMS, OF HORNBEAK, TENNESSEE.

COMBINED IRONING-BOARD AND STEP-LADDER.

No. 831,692.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Application filed November 6, 1905. Serial No. 286,105.

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.

My invention relates to improvements in combination ironing-boards and step-ladders; and it consists of the novel features of construction, combination, and arrangement of parts hereinafter described and claimed.

The object of the invention is to improve and simplify the construction of devices of this character, making them more durable in use and less expensive to manufacture.

The above and other objects, which will appear as the nature of my invention is better understood, are accomplished by means of the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved device set up for use as an ironing-board. Fig. 2 is a longitudinal sectional view through the same. Fig. 3 is a perspective view of the device set up for use as a step-ladder, and Fig. 4 is a side view of the device folded to permit it to be set out of the way in a corner or closet.

Referring to the drawings by numerals, 1 denotes my improved ironing-board and step-ladder, which comprises an ironing-board 2 and a step-ladder 3, hingedly connected at its upper end to the inner or large end of the ironing-board. This hinged connection is preferably effected by securing upon the ladder 3 projecting brackets 4, between which is pivoted, by means of pivot-pins 5, a transverse cleat 6, which is secured upon the under side of the ironing-board 2 at its large end. The step-ladder 3 consists of a main section 7 and an inner pivoted section 8. The section 7 is composed of two converging side bars 9, united at their upper ends by the cross-bar 10 and adjacent to their lower ends by the lowermost step 11 of the ladder. Said side bars 9 are also connected by a cross bar or brace 12 and a diagonal brace 13. The swinging section 8 of the ladder consists of two side bars 14, connected by steps 15, 16, and 17. Said side bars 14 are pivoted adjacent to their upper ends, as shown at 18,

between the side bars 9 of the main section 7, so that the section 8 may be swung within the section 7, as shown in Figs. 3 and 4 of the drawings, or outwardly at an angle to said section 7, as shown in Figs. 1 and 2 of the drawings. Upon the center of the cross-bar 12 is hingedly secured, as at 19, one end of a brace-bar 20. The latter is adapted to have its opposite or free end adjustably secured to the under side of the ironing-board 2, so as to support the latter at any desired height when the device is used as an ironing-board, as shown in Figs. 1 and 2, or at any desired angle from the step-ladder 3 when the device is used as shown in Fig. 3. This adjustable connection is preferably effected by providing upon the under side of the board 2 a bracket-plate 21, which is formed with an angularly-disposed series of apertures or openings 22. This plate 21 is adapted to enter a slot 23, formed in the free end of the brace 20, and to be retained therein by a pin, bolt, or the like 24, which passes through alining openings in the brace 20 and through one of the openings in said plate. The openings 22 and pin 24 enable the upper end of the brace 20 to be adjustably connected to a bracket-plate 21 under the board 2, so that the latter may be supported at any required angle to the main section of the ladder to cause said board to lie in a horizontal plane when the same is set up.

When the parts are in their folded position, as shown in Fig. 4 of the drawings, the lower or outermost opening 22 in the plate 21 is adapted to be engaged by a pivot catch or hook 25, which is provided upon the step 17 of the ladder. When the parts are in this position, it will be seen that the brace 20 is disposed longitudinally between the ironing-board and the ladder.

If desired, I may use in connection with the ironing-board 2 a sleeve-board 26, which is clearly shown in Figs. 1 and 2 of the drawings. The latter comprises a tapered board 27, upon the upper face of which is formed a scale 28 and upon the lower face of which is secured a support 29. The latter is adapted to rest upon the top of the board 2 and to be detachably secured thereon by the engagement of a slot 30 in its end with a loop or eye 31, which is pivoted, as at 32, upon the large end of the ironing-board 2. By means of this connection the sleeve-board may be quickly and easily applied to and removed from the ironing-board, and when not applied the loop or eye 31 may be swung downwardly

beneath the plane of the outer face of the board 2.

The construction, uses, and advantages of the invention will be readily understood from the foregoing description, taken in connection with the accompanying drawings.

It will be seen that when the device is used as an ironing-board the two sections 7 8 of the ladder will be used as supporting-legs, the upper end of the section 8 bearing against the brace 20 and being held thereto, as shown.

When the device is to be used as a step-ladder, the section 8 of the ladder is swung within the section 7, and the device is set up upon the lower ends of the board and the section 7 of the ladder, as shown in Fig. 3 of the drawings, the brace 20 firmly holding said parts together to prevent the device from collapsing.

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 this invention.

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

1. A device of the character described comprising an ironing-board, a ladder pivotally connected thereto and having a swinging section, and a brace between the main section of said ladder and said board and adapted to support the swinging section of said ladder.

2. A device of the character described comprising a main ladder-section, a swinging ladder-section pivotally connected at a point between its ends to the main ladder-section at a point between the ends of the latter, an ironing-board pivotally connected to the main ladder-section, and a brace connecting the main ladder-section and the ironing-board, the upper portion of said swinging ladder-section bearing against said brace.

3. A device of the character described, comprising a main ladder-section, a swinging ladder-section pivotally connected at a point

between its ends to the main ladder-section at a point between the ends of the latter, an ironing-board pivotally connected to the main ladder-section, and a brace connecting the main ladder-section and the ironing-board and adjustable on one of them to vary the angle between them, the upper portion of said swinging ladder-section bearing against the said brace.

4. A device of the character described comprising an ironing-board, a main ladder-section pivotally connected thereto, a swinging ladder-section pivoted in said main ladder-section, a brace hingedly connected at one of its ends to said main ladder-section and having a slot in its free end, a bracket-plate secured upon the under side of said ironing-board and adapted to enter the slot in said brace, and a pin passed through said brace and any one of a series of openings formed in said plate, substantially as shown and described.

5. A device of the character described comprising an ironing-board, a main ladder-section hingedly connected at one of its ends to one end of said board, and consisting of side bars connected by a cross-bar and a step, a swinging ladder-section pivoted intermediate its ends between the side bars of said main ladder-section and consisting of side bars united by steps, a brace hinged at one end to the cross-bar of said main ladder-section, a plate secured upon the under side of said ironing-board and formed with a series of openings, and a pin passed through an opening in the free end of the brace and one of the openings in said plate for adjustably securing said brace thereto, substantially as described.

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

SION H. WILLIAMS.

Witnesses:

P. D. HORNBEAK,
MAMIE MOULTRIE.