E. JURKOWSKI.

COMBINED STEP LADDER AND IRONING BOARD.

APPLICATION FILED JUNE 1, 1916. RENEWED SEPT. 10, 1917.

1,243,304.

Patented Oct. 16, 1917.

2 SHEETS—SHEET 1.

Fig. 1

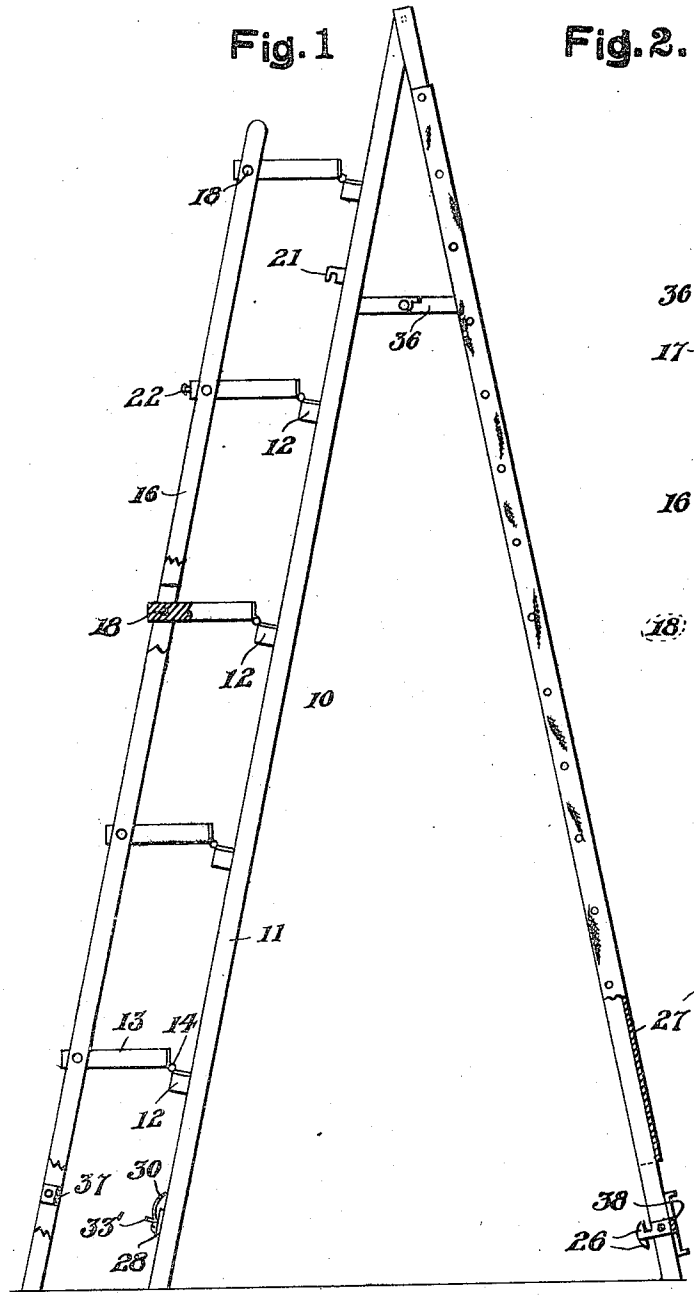
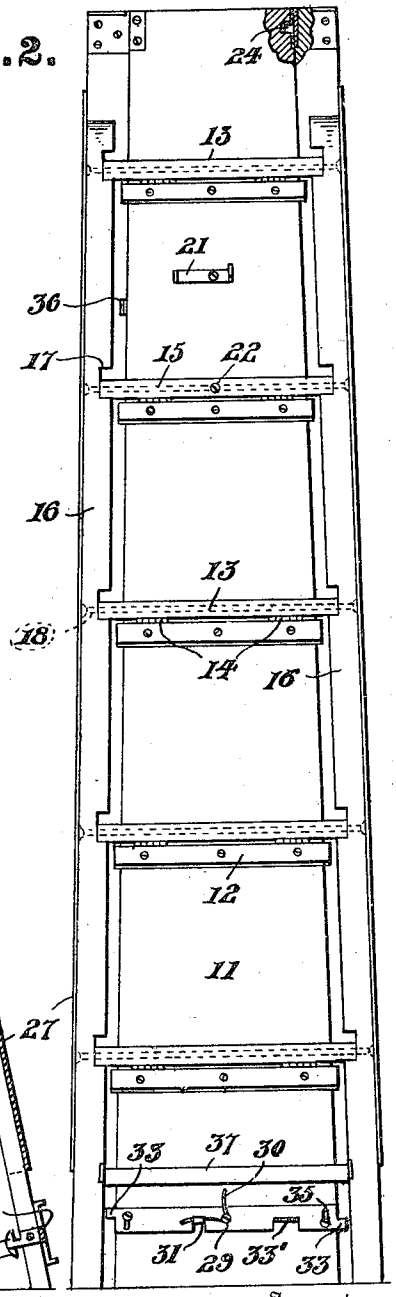


Fig. 2.



Inventor

E. Jurkowski

By A. M. Wilson

Attorney

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2 SHEETS—SHEET 2.

Fig. 3.

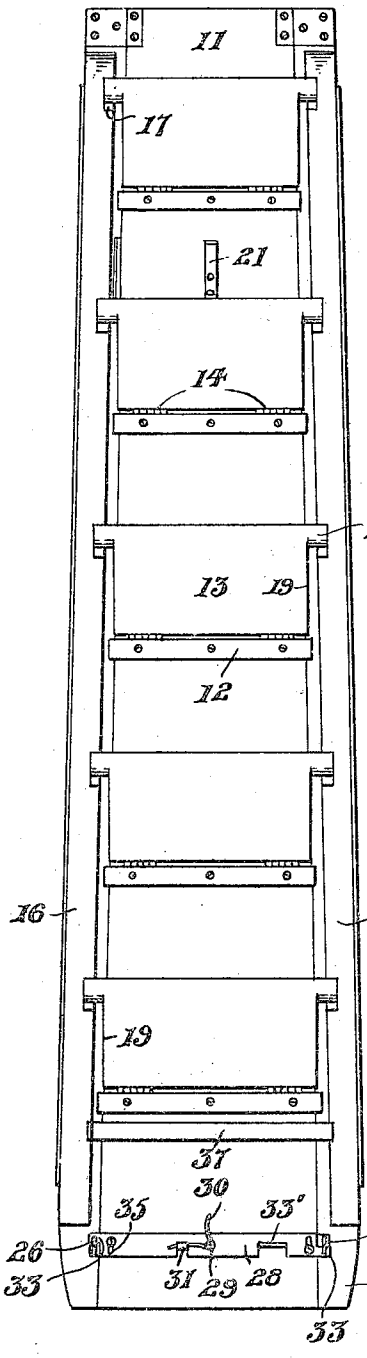


Fig. 4.

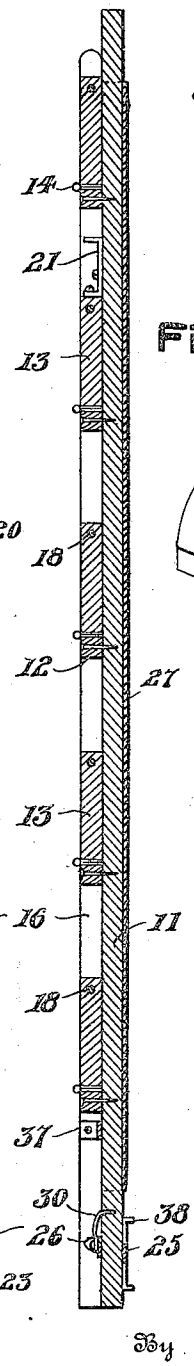


Fig. 5.

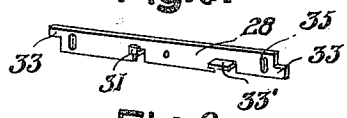


Fig. 6.

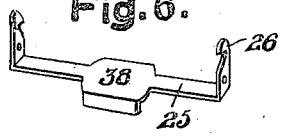


Fig. 7.

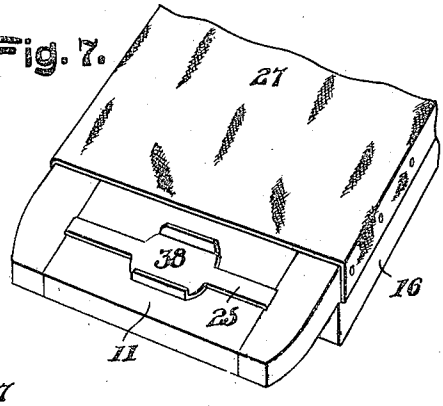
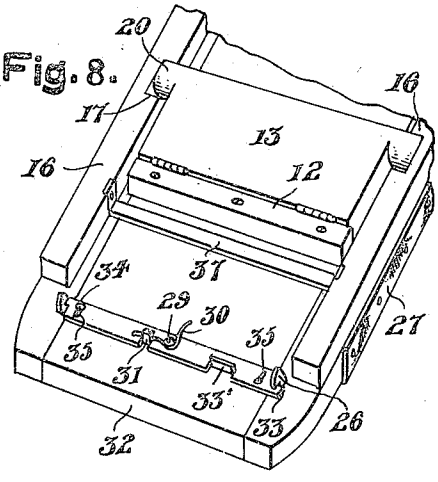


Fig. 8.



Inventor

E. Jurkowski

By F. M. Wilson

Attorney

UNITED STATES PATENT OFFICE.

EDWARD JURKOWSKI, OF NEW YORK, N. Y.

COMBINED STEP-LADDER AND IRONING-BOARD.

1,243,304. Specification of Letters Patent. Patented Oct. 16, 1917.

Application filed June 1, 1916, Serial No. 101,057. Renewed September 10, 1917. Serial No. 190,658.

To all whom it may concern:

Be it known that I, EDWARD JURKOWSKI, a subject of the Emperor of Austria, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Combined Step-Ladders and Ironing-Boards, of which the following is a specification.

This invention relates to certain new and useful improvements in combined step-ladder and ironing board.

The primary object of the invention is the provision of a step-ladder adapted for household use that forms an advantageous ironing board when in its folded inoperative position, the leg or strut member of the ladder forming a carrying frame for a fabric covering or facing for the board.

The present invention further contemplates a step-ladder having foldable mounting means and positioning means upon its opposite sides, the said opposite means being readily foldable forming a compact structure serviceable as a fabric covered ironing board.

A still further object of the device is the provision of a foldable step-ladder that is easy and cheap to manufacture being serviceable as an ironing board when in its closed position and as a step-ladder when open or extended.

With these general objects in view and others that will appear as the nature of the invention is better understood, the same consists in the novel combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings forming a part of this application and in which like-designating characters refer to corresponding parts throughout the several views:—

Figure 1 is a side elevation of the device in its open or unfolded position arranged as a step-ladder set up for use, parts being broken away.

Fig. 2 is a front elevation thereof partially broken away.

Fig. 3 is a front elevation of the device in its folded position and serviceable as an ironing board.

Fig. 4 is a longitudinal sectional view thereof.

Fig. 5 is a perspective view of the retaining latch for the hinged strut member of the ladder.

Fig. 6 is a perspective view of the catch bar carried by the strut.

Fig. 7 is a perspective view of the rear side of the lower portion of the device when folded, and

Fig. 8 is a similar view of the lower front portion thereof.

It being understood that the complete device is in the form of a foldable step-ladder adapted when closed for employment as an ironing board, the device includes a slightly tapered foundation board 10 serviceable as an ironing board upon its rear side 11 and has mounting parallel cleats 12 upon its opposite or forward side, to which cleats a plurality of ladder step 13 are connected by suitable hinges 14.

The steps 13 are pivotally connected together adjacent their forward edges 15 by means of opposite side rails 16 having notches 17 within which the adjacent portions of the steps are arranged, pivoted rods 18 extending through the said steps and side rails. It will be also noted that the steps are cut-away at their opposite sides as at 19 for forming trunnioning lugs 20 which are arranged within the notches 17 all of which permits the folding and unfolding of the steps and rails as best illustrated in Figs. 1, 2 and 3 of the drawings, it being understood that when the ladder is opened, the lower faces of the lugs 20 engage the lower edges of the notches 17 for bracing the steps 13 and that when closed, the steps 13 flatly engage the forward side of the board 10 in substantial alinement with the cleats 12. A hook 21 is pivoted to the front side of the board 10 and is adapted to engage a pin 22 upon the adjacent step 13 when the steps are in their folded positions as illustrated in Figs. 3 and 4 of the drawings.

A strut member is foldably arranged for

the device consisting of opposite legs 23 of the same length as the board 10 and hinged to the opposite outer edges thereof adjacent its narrower end as at 24. A U-shaped cross brace 25 connects the lower ends of the legs 23 together, oppositely opening hooks 26 being carried by the brace 25, which are positioned at opposite sides of the board 10 and project forwardly thereof when the legs 23 are folded in substantial alinement with and at opposite edges of the said board.

A flexible ironing board cover strip 27 of some desirable material such as canvas is stretched between the legs 23 and flatly engages the outer face of the board 10 when the legs are in their normal position, the said cover strip thus forming a stretched facing upon the rear side of the board 10 rendering the said board serviceable for ironing or other similar purposes.

A latch bar 28 is pivoted substantially centrally of the front side of the board 10 by means of a screw 29, a spring 30 having one end thereof anchored to the said board and its other end engaging a leg 31 of the said latch bar, it retains the bar 28 normally positioned transversely of the board and parallel with the edge 32 of the outer end of the board. Oppositely opening notches 33 are arranged at the ends of the latch bar 28 and project outwardly of the opposite edges of the board 10 and are adapted to engage the brace carrying hooks 26 for retaining the legs 23 in their folded positions with respect to the board 10 as best illustrated in Figs. 3 and 8 of the drawings. A struck-up handle 33′ is carried by the latch bar 28, while stop pins 34 of the board 10 project through transverse slots 35 of the bar 28 for limiting the pivotal movement thereof.

Foldable spacing links 36 are positioned between one of the legs 23 and the board 10 for limiting the degree of separation between the board 10 and its strut legs 23. A connector 37 is arranged between the side rails 16 below the lowermost step 13 and the brace 25 is preferably provided with a flat-iron holder 38 centrally carried thereby and flatly positioned upon the rear or ironing face 11 of the board 10 when the strut legs 23 are in their folded positions as best illustrated in Fig. 7 of the drawings, it being noted that the brace 25 is positioned below the lower edge of the fabric covering 27. A foldable step-ladder is thus arranged in which the strut legs 23 are braced by the fabric connection 27 which fabric is serviceable as an ironing facing for the side 11 of the board 10 when the latter is compactly folded, the device being especially serviceable as a combined step ladder and ironing board for household use.

While the form of the invention herein shown and described is what is believed to be the preferred embodiment thereof, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

What I claim as new is:—

1. A ladder comprising an elongated board, pivotally connected spaced steps hinged for flat engagement with one side of the said board, strut legs hinged to the opposite edges of the said board, and a facing fabric connecting the said legs and engaging the other side of said board when the legs are in their folded position.

2. A ladder comprising an elongated board, pivotally connected spaced steps hinged for flat engagement with one side of the said board, strut legs hinged to the opposite edges of the said board, a facing fabric connecting the said legs and engaging the other side of said board when the legs are in their folded position, spacing links hinged between the said board and one of the said legs, a U-shaped brace connecting the said legs and having oppositely opening hooks projecting forwardly of the opposite edges of the said board, and a spring-pressed latch bar in engagement with the said hooks when the said legs are folded.

3. A combined ironing board and step ladder comprising a tapered board, transverse cleats carried by the forward side thereof, spaced steps hinged to the said cleats, rails oppositely positioned and having receiving notches for the said steps, said steps being pivotally attached thereto, strut legs of substantially the same length as the said board and hinged to the opposite edges of the ladder adjacent the narrower end thereof and adapted for folding adjacent the opposite edges of the board, limiting links between the said board and one of said legs, a flexible ironing strip for the said board stretched between the said legs, and means for retaining the legs in closed position.

4. A combined ironing board and step ladder comprising a tapered board, transverse cleats carried by the forward side thereof, spaced steps hinged to the said cleats, rails oppositely positioned and having receiving notches for the said steps, said steps being pivotally attached thereto, strut legs of substantially the same length as the said board and hinged to the opposite edges of the ladder adjacent the narrower end thereof and adapted for folding adjacent the opposite edges of the board, limiting links between the said board and one of said legs, a flexible ironing strip for the said board stretched between the said legs, a U-shaped brace connecting the lower ends of

the said legs inclosing the lower end of the said board when the legs are folded and having an iron-receiving portion flatly engaging the said board adjacent the said flexible facing, oppositely opening hooks upon the said brace extending forwardly of the board when the legs are folded, and a spring-pressed latch for the said brace hooks pivoted to the said board and normally positioned parallel with the free edge of the enlarged end of the ladder.

In testimony whereof I affix my signature.

EDWARD JURKOWSKI.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."