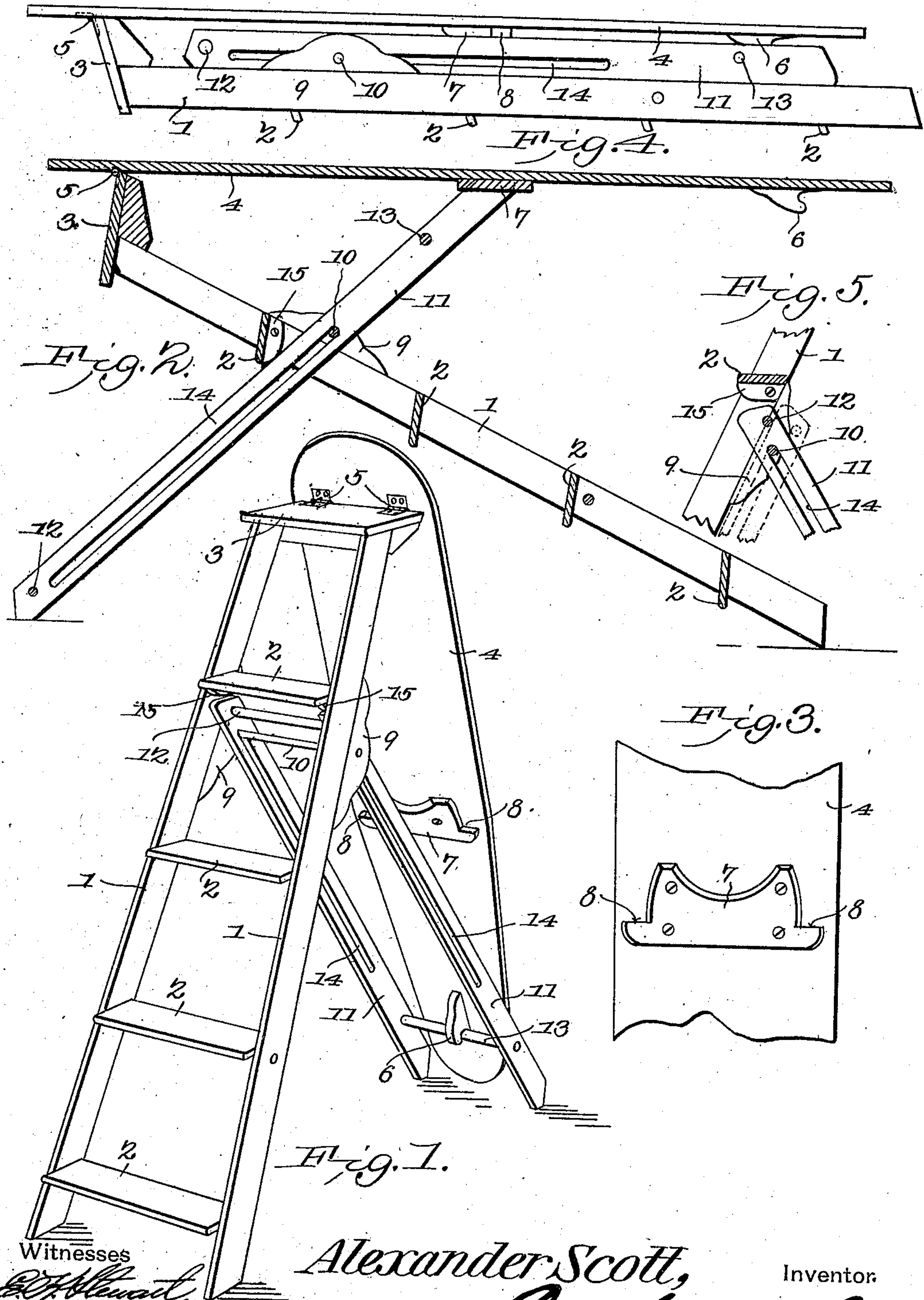


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PATENTED MAR. 13, 1906.

A. SCOTT,
COMBINED STEP LADDER AND IRONING BOARD.

APPLICATION FILED JUNE 17, 1905.



Witnesses
R. H. Blum
H. D. Shepard

Alexander Scott,

by *C. A. Snow & Co.*
Attorneys

Inventor

UNITED STATES PATENT OFFICE.

ALEXANDER SCOTT, OF ASPEN, COLORADO.

COMBINED STEP-LADDER AND IRONING-BOARD.

No. 814,877.

Specification of Letters Patent.

Patented March 13, 1906.

Application filed June 17, 1905. Serial No. 265,793.

To all whom it may concern:

Be it known that I, ALEXANDER SCOTT, a citizen of the United States, residing at Aspen, in the county of Pitkin and State of Colorado, have invented a new and useful Combined Step-Ladder and Ironing-Board, of which the following is a specification.

This invention is a combined step-ladder and ironing-board, and has for its object to provide a novel combination and arrangement of parts whereby the device may be conveniently converted from a step-ladder into an ironing-board, and vice versa, and may also be compactly folded when not required for use.

The invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, Figure 1 is a perspective view of the device set up as a step-ladder. Fig. 2 is a longitudinal sectional view of the device arranged for use as an ironing-board. Fig. 3 is an inverted view of a fragmentary portion of the ironing-board, showing the intermediate cleat thereon. Fig. 4 is a side elevation of the device in its collapsed or folded condition. Fig. 5 is a detail fragmentary sectional view showing the relation of the ladder member and the combined brace and prop member when the device is set up as a step-ladder, the parts being shown folded in dotted lines.

Like characters of reference designate corresponding parts in each and every figure of the drawings.

The present device includes a ladder member made up of side rails 1 and a series of steps 2, connecting the rails, there being a relatively wide step 3 at the top of the rails and projected in rear thereof. An ironing-board 4 of conventional shape is connected to the rear edge of the top step 3 by means of suitable hinges 5, located slightly inward from the large end of the board. Adjacent the free end of the board and upon its under side is a terminal seat in the nature of a hooked cleat 6, disposed in the line of the longitudinal center of the board. About midway between the ends of the board and upon

its under side there is a transverse cleat or cross-bar 7, which is notched at each end, as indicated at 8, in the rear edge of the cleat or cross-bar, so as to form seats for a purpose as will be hereinafter described. Upon the backs of the side rails 1 of the ladder member there are corresponding blocks or extensions 9, which support a cylindrical cross-bar 10, which is disposed slightly in rear of the rear edges of the rails and slightly below the next to the uppermost step. There is also a prop member made up of parallel side bars 11, connected adjacent their opposite ends by the respective cross-rods 12 and 13, each side bar being provided with a longitudinal slot 14, in which the cross-rod 10 of the ladder member is received in order that the prop member may be slid endwise across the rod and also turned or swung thereon.

When the device is set up as a step-ladder, as shown in Fig. 1 of the drawings, the board 4 is swung downward and the prop member is slid downwardly to engage its lower end with the floor and to have the cross-bar 13 engaged with the hook-shaped cleat or seat 6, whereby all three members of the device are locked against collapsing, and the ladder is sustained in a thoroughly rigid and effective manner.

To convert the device from a step-ladder into an ironing-board, the cross-bar 13 of the prop is disengaged from the seat 6 and the ironing-board is swung outwardly to enable the prop being tilted upwardly upon the cross-bar 10 as a support until the upper ends of the prop members are disengaged from the cams 15, whereupon the prop is slid endwise through the ladder-section to the extent permitted by the slots 14, and then the ladder member and the prop member are adjusted to cross one another substantially in the manner of the letter X, with the upper edges of the prop members 11 bearing against the cams 15, and those ends of the prop members which are adjacent the cross-bar 13 being fitted in the notches or seats 8 of the cleat or cross-bar 7, whereby the ironing-board will be supported in a substantially horizontal position. The entire structure is held against collapsing by reason of the upper end of the prop members 11 fitting in the seats upon the under side of the ironing-board 4, with intermediate portions of the prop members bearing against the cams 15, which holds the structure in a rigid and stable condition.

When the device is not in use, it is folded

into compact form, as shown in Fig. 4, by moving the prop upon the cross-bar 10 to the extremities of the slots 14 adjacent the cross-bar 12; whereupon the prop may be
 5 turned upon the cross-bar 10 so as to turn the adjacent ends of the prop members 11 past the cams 15 to the rear side and in substantial parallelism with the ladder-section. After the prop has thus been disposed in
 10 rear of the ladder-section it is slid endwise inwardly toward the top step 3, so as to avoid projection of the prop beyond the free ends of the ironing-board and the ladder-section, whereby all of the parts of the device will fold
 15 into compact form to enable the convenient handling and storage of the device when not in use. In connection with the turning of the prop members 11 past the cams 15 it will be noted in Fig. 5 of the drawings that the
 20 ends of the members 11 adjacent the cross-bar 12 lie below the cams, and therefore these ends of the prop members may be readily turned past the cams, so as to bring the prop members entirely at the rear side of the step-
 25 section.

It will here be explained that the prop does not support the ladder-section when the device is set up as a ladder, but operates as a brace to prevent separation of the ladder and
 30 the ironing-board 4, the latter operating as a prop to support the ladder-section in its upwardly-inclined position.

Having thus described the invention, what is claimed is—

35 1. A combined step-ladder and ironing-board comprising a ladder member, an ironing-board member hinged to the top of the ladder and provided upon its under side with an intermediate seat and a terminal seat ad-
 40 jacent the free end of the board, and a combined prop and brace member having a pivotal connection with the ladder member and slidable endwise upon said pivotal connection to permit engagement of one end of the
 45 member with the terminal seat of the ironing-board for use as a brace when the device is set up as a ladder and also to permit of said end of the combined brace and prop engaging the intermediate seat of the ironing-board to
 50 operate as a prop when the device is set up as an ironing-board.

2. A combined step-ladder and ironing-board comprising a ladder member, an ironing-board member hinged to the top of the
 55 ladder member and provided upon its under side with a terminal hooked seat and a pair of transversely-spaced intermediate seats, a bar extending across the side rails of the ladder member, and a combined prop and brace
 60 made up of spaced longitudinally-slotted side bars and terminal cross-bars, the cross-bar of the ladder being received within the slots of the prop and the latter being slidable endwise across said bar and also pivotally
 65 supported thereon to permit of one of the

cross-bars of the prop member being engaged with the terminal hooked seat of the board when the device is set up as a ladder and to permit of the ends of the sides of the prop member being engaged with the intermediate
 70 seats of the ironing-board when the device is set up for use as an ironing-board.

3. A combined step-ladder and ironing-board comprising a ladder member having a cross-bar disposed in rear thereof, an ironing-
 75 board hinged to the top of the ladder member and provided upon its under side with an intermediate seat and a terminal seat located adjacent the free end of the board, and a longitudinally-slotted combined prop and brace
 80 member receiving the cross-bar of the ladder-section in the slotted portion thereof with the prop member slidable endwise across the cross-bar and also pivotally supported thereon, the prop capable of being turned upon
 85 the cross-bar into substantial parallelism with the ladder-section at the back thereof and between said section and the ironing-board when the device is folded, one end of the prop capable of being engaged with the
 90 terminal seat of the ironing-board when the device is set up as a ladder, and also capable of being engaged with the intermediate seat when the device is set up as an ironing-board.

4. The combination of a ladder member,
 95 a cross-bar carried by the ladder and offset in rear thereof, a top member hinged to the top of the ladder and provided upon its under side with a terminal seat, and a longitudinally-slotted prop member receiving the
 100 cross-bar in the slotted portion thereof with the prop slidable endwise across the bar and also pivotally sustained thereon, the prop capable of being turned into substantial parallelism with the ladder member at the back
 105 thereof to lie between said member and the top in the folded condition of the device, and also to have one end of the brace engaged with the seat of the top when the ladder is set up in condition for use.

5. The combination of a leg member, a top member hinged thereto, and a prop member pivotally connected to the leg member at a point in rear of the latter and also capable of being slid in an endwise direction across said
 110 pivotal connection to dispose the prop in substantial parallelism with the leg member in rear thereof and between said member and the top in the folded condition of the device, said top being provided upon its under side, with
 115 a seat and the upper end of the prop capable of being engaged with the seat when the prop is crossed with the leg member to support the top in a substantially horizontal position, the leg being provided with a stop disposed for
 120 engagement by the upper side of the prop in the set-up condition of the device.

6. The combination of a leg member, a top member hinged thereto, and a prop member pivotally connected to the leg member at a
 130

point in rear of the latter and also capable of being slid in an endwise direction across said pivotal connection to dispose the prop in substantial parallelism with the leg member in rear thereof and between said member and the top in the folded condition of the device, said top being provided upon its under side, with a seat and the upper end of the prop capable of being engaged with the seat when the prop is crossed with the leg member to support the top in a substantially horizontal position.

7. In a combined step-ladder and ironing-board, the combination of a step member having its side rails provided with corresponding rear extensions, a cross-bar carried by said extensions in rear of the side rails, an ironing-board hinged to the upper end of the ladder, a hook-shaped seat upon the under side of the board adjacent the free end thereof, a pair of spaced seats upon the under side of the board intermediate of the ends thereof, a combined brace and prop member made up of spaced longitudinally-slotted side bars and terminal cross-bars connecting the same, the cross-bar of the ladder being received within the slots of the prop

and said prop being slidable endwise across the bar and pivotally mounted thereon to permit of the prop being turned into substantial parallelism with the ladder-section at the back thereof and between the ladder-section and the ironing-board in the folded condition of the device, one of the cross-bars of the prop capable of being engaged with the terminal hooked seat of the ironing-board when the device is set up as a ladder, the prop capable of being turned upon the cross-bar of the ladder and slid endwise through said ladder across the same and have the upper ends of the prop members engaged with the intermediate seats of the ironing-board to support the device for use as an ironing-board, and stops carried by the inner sides of the rails of the ladder-section in position to engage the upper edges of the prop-bars and brace the structure when set up as an ironing-board.

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

ALEXANDER SCOTT.

Witnesses:

HENRY C. ROGERS,
DESBRISEY GLADWIN.