L. R. FLINT.

CONVERTIBLE CHAIR.

APPLICATION FILED MAR. 22, 1920.

1,358,142.

Patented Nov. 9, 1920.

2 SHEETS—SHEET 1.

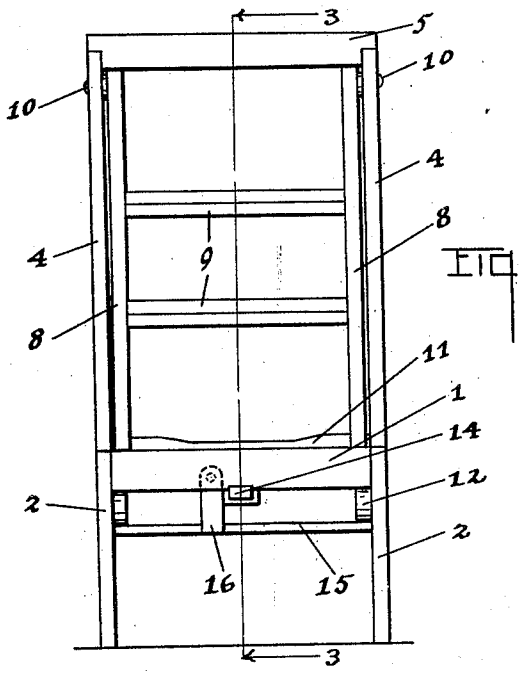


FIG. I.

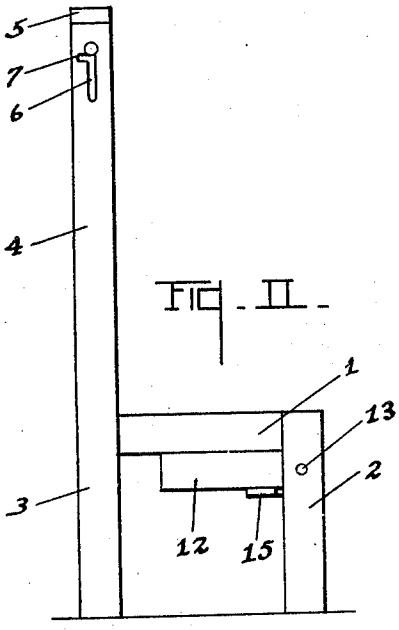


FIG. II.

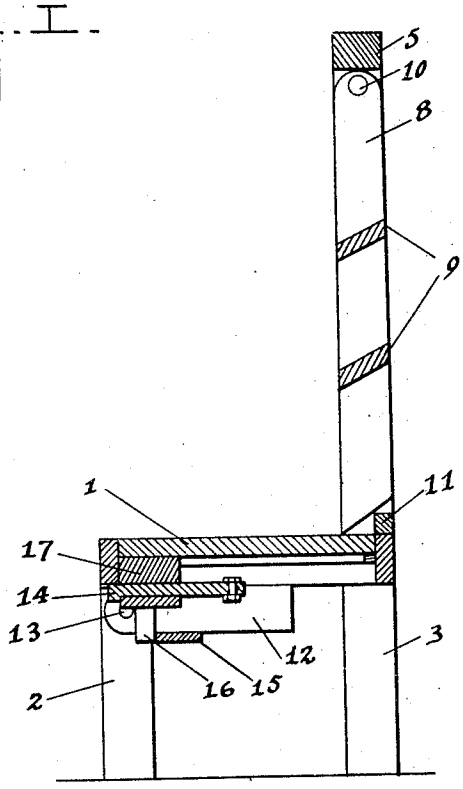


FIG. III.

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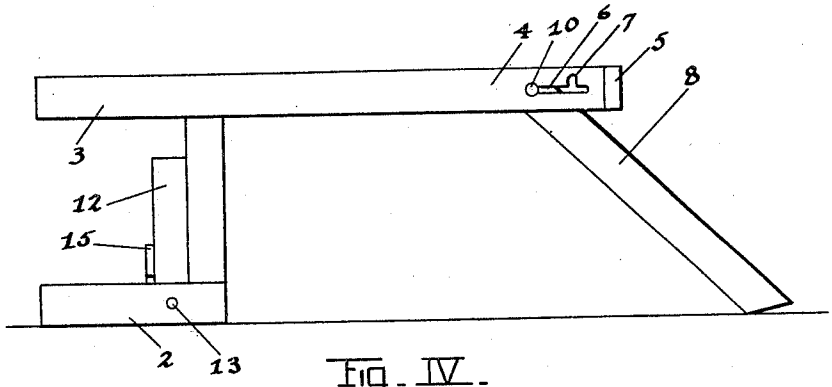


Fig. IV.

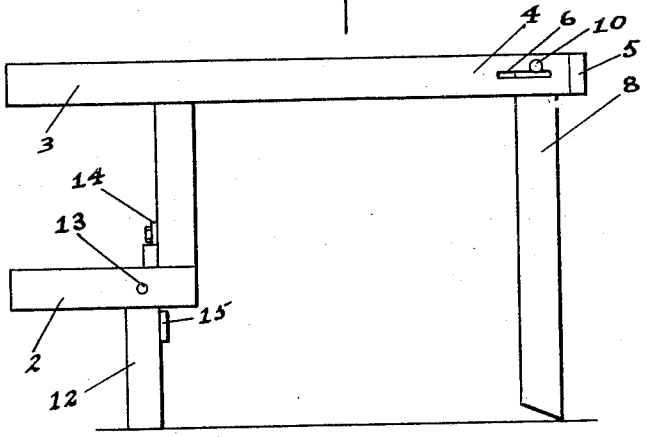


Fig. V.

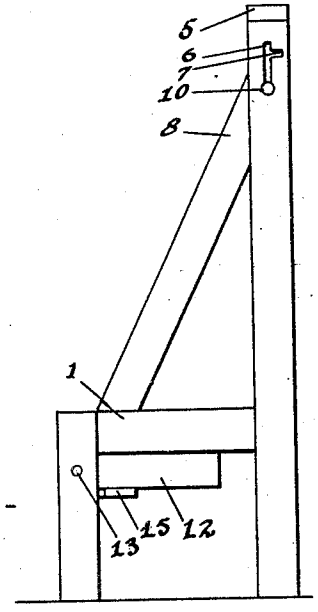


Fig. VI.

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UNITED STATES PATENT OFFICE.

LEWIS R. FLINT, OF GALESBURG, MICHIGAN.

CONVERTIBLE CHAIR.

1,358,142. Specification of Letters Patent. Patented Nov. 9, 1920.

Application filed March 22, 1920. Serial No. 367,748.

To all whom it may concern:

Be it known that I, LEWIS R. FLINT, a citizen of the United States, residing at Galesburg, county of Kalamazoo, State of Michigan, have invented certain new and useful Improvements in Convertible Chairs, of which the following is a specification.

This invention relates to improvements in convertible chairs.

The main object of this invention is to provide an improved convertible chair which may be adjusted for use as a chair, as a step ladder or as a bench as may be desired.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification. The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawing forming a part of this specification, in which:

Figure I is a front elevation of my improved chair.

Fig. II is a side elevation looking from the left of Fig. I.

Fig. III is a vertical central section on a line corresponding to line 3—3 of Fig. I.

Fig. IV is a side view of my improved chair adjusted as a bench.

Fig. V is a side view of my improved convertible chair adjusted as an ironing board support.

Fig. VI is a side view of my improved chair adjusted as a ladder.

In the drawing similar reference characters refer to similar parts throughout the several views, and the sectional view is taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, 1 represents the seat, 2 the front legs and 3 the rear legs. In the structure illustrated, the rear legs are extended into back member 4 connected at their upper ends by the top cross piece 5. These back members have longitudinal slots 6 near their upper ends with recesses 7 opening into the rear sides of the slots.

I provide a ladder member comprising the risers 8 and steps 9. The risers are provided with pivots 10 at their upper ends engaging the slots 6 so that the ladder member may be collapsed between the back members as shown in Figs. I, II and III, or extended to rest on the seat as shown in Fig. IV. The stop 11 extends across the rear of the seat to limit the rearward swing of the ladder member which in its collapsed position forms a part of the back of the chair, the steps then constituting cross pieces for the back. The ladder member may, however, be swung to an outwardly inclined position as shown in Fig. IV with the pivots engaging the lower ends of the slots and the cross piece engaging or resting upon the ladder member, in which position the ladder member constitutes legs to support the chair in a horizontal position resting on its front legs.

The ladder member may also be adjusted to an approximately vertical position with its pivots engaging the notches or recesses 7 and the sides of the legs engaging the top cross piece to support the chair in another horizontal position, a pair of auxiliary legs 12 being provided to coact with the ladder member in supporting the chair in this position as shown in Fig. V. The legs 12 are pivoted at 13 between the front legs so as to collapse under the seat as shown in the drawing.

The legs may, however, be extended as shown in Fig. V, in which position they coact with the ladder member in supporting the chair so that it serves as an ironing board support or the like. A slide 14 is provided for holding the auxiliary legs in their extended position, the slide being mounted below the seat to be extended behind the cross piece 15 when the legs are erected as shown in Fig. V. A button 16 is provided for holding the auxiliary legs in their collapsed position, the button being pivoted on the cross piece 17 to be swung down in front of the cross piece 15 of the legs or collapsed as shown in Figs. I and III. My improved chair is readily adjusted or convertible for use as a chair or as a step ladder, as an ironing board support or as a wash bench or the like.

I have shown parts in the accompanying drawings mainly in conventional form for convenience in illustration. I have not attempted to show certain modifications and adaptations which I contemplate as I believe the disclosure made will enable those skilled in the art to which my invention relates to adapt or embody the same as may be desired.

Having thus described my invention,

what I claim as new and desire to secure by Letters Patent is:

1. In a convertible chair, the combination of a seat, front legs, rear legs extended into back members and longitudinally slotted at their upper ends and having notches opening into the rear sides of the slots, a top cross piece for said back members, a pair of auxiliary legs pivoted between the front legs of the chair to be collapsed under the seat or to be swung to a position transverse to the legs to support the chair in a horizontal position, means for supporting said auxiliary legs in their erected and collapsed positions, and a ladder member comprising a pair of risers and steps having pivots engaging said slots of the back members so that the ladder may be collapsed between the back members or swung forwardly with its lower end resting on the seat to serve as a ladder or adjusted to an outwardly inclined position to engage the top cross piece with its pivots engaging the lower ends of the slots to support the chair in a horizontal position resting on its front legs or to a vertical position with its pivots engaging said recesses to coact with said auxiliary legs in supporting the chair in another horizontal position.

2. In a convertible chair, the combination of a seat, front legs, rear legs extended into back members and longitudinally slotted at their upper ends and having notches opening into the rear sides of the slots, a top cross piece for said back members, a pair of auxiliary legs pivoted between the front legs of the chair to be collapsed under the seat or to be swung to a position transverse to the legs to support the chair in a horizontal position, and a ladder member comprising a pair of risers and steps having pivots engaging said slots of the back members so that the ladder may be collapsed between the back members or swung forwardly with its lower end resting on the seat to serve as a ladder or adjusted to an outwardly inclined position to engage the top cross piece with its pivots engaging the lower ends of the slots to support the chair in a horizontal position resting on its front legs or to a vertical position with its pivots engaging said recesses to coact with said auxiliary legs in supporting the chair in another horizontal position.

3. In a convertible chair, the combination of a seat, front legs, rear legs extended into back members and longitudinally slotted at their upper ends, a top cross piece for said back members, and a ladder member comprising a pair of risers and steps having pivots engaging said slots of the back members so that the ladder may be collapsed between the back members or swung forwardly with its lower end resting on the seat to serve as a ladder or adjusted to an outwardly inclined position to engage the top cross piece with its pivots engaging the lower ends of the slots to support the chair in a horizontal position resting on its front legs.

4. In a convertible chair, the combination of a seat, legs, back members longitudinally slotted at their upper ends and having notches opening into the rear sides of the slots, a top cross piece for said back members, a pair of auxiliary legs pivoted to be collapsed under the seat or to be swung to a position transverse to the legs to support the chair in a horizontal position, and a ladder member comprising a pair of risers and steps having pivots engaging said slots of the back members so that the ladder may be collapsed between the back members or swung forwardly with its lower end resting on the seat to serve as a ladder or adjusted to a vertical position with its pivots engaging said recesses to coact with said auxiliary legs in supporting the chair in a horizontal position.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

LEWIS R. FLINT. [L. S.]

Witnesses:
CARL C. CLAPP,
LOUIS DUNN.