

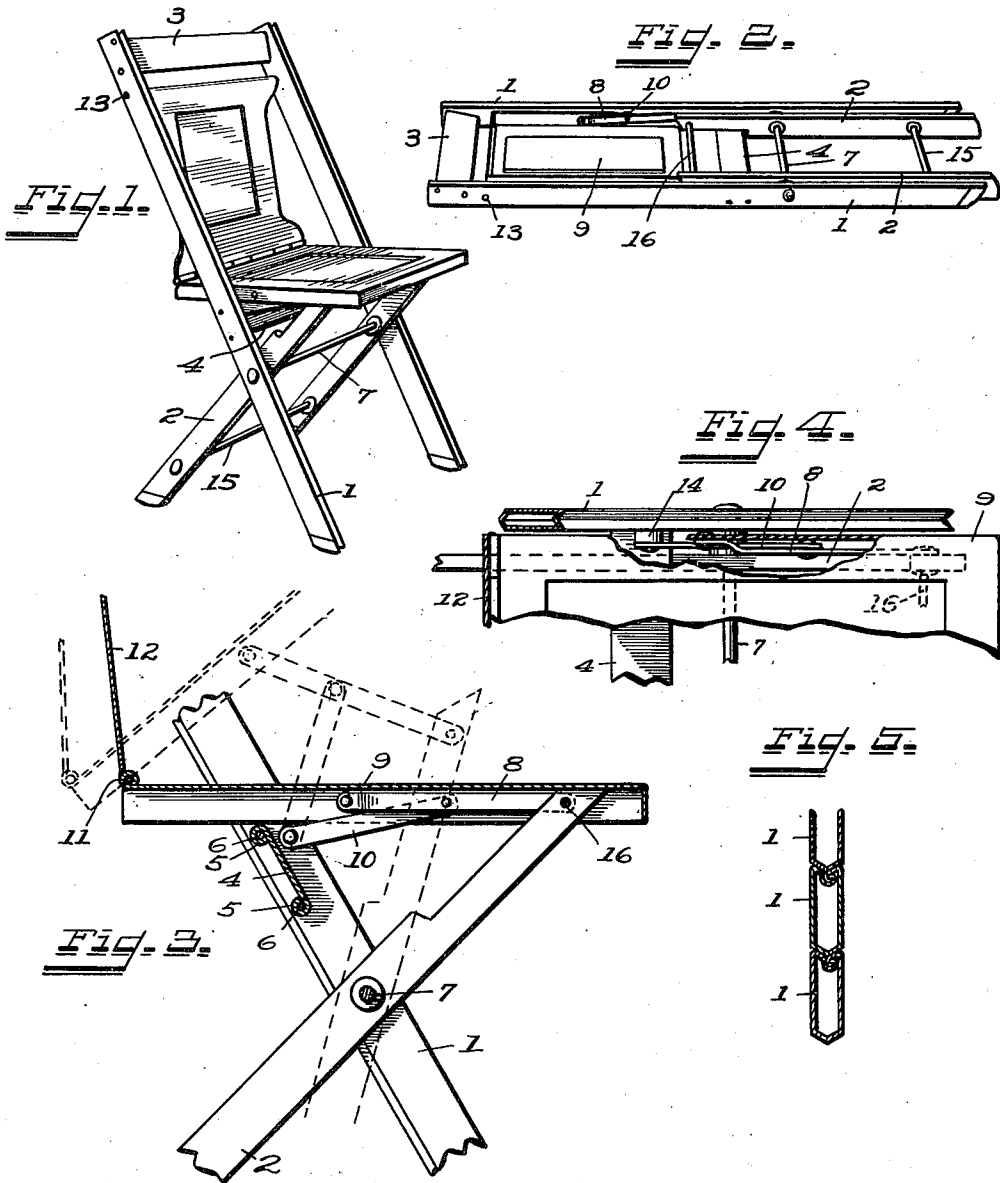
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E. FINDLEY

CHAIR

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To all whom it may concern:

Be it known that I, EMORY FINDLEY, a citizen of the United States, and a resident of Peoria, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Chairs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

My invention relates in particular to chairs of the folding type constructed of metal.

One object of my invention is the provision of suitable toggle bracing to prevent the chair from being accidentally closed, or folded.

Another object of my invention is to mount and connect the various parts so that when folded, the chair will lie flat, and occupy the minimum of space.

Other objects of my invention will appear and be described in the specification.

The novelty of my invention will be hereinafter more fully set forth and specifically pointed out in the claims.

In the accompanying drawing:

Fig. 1 is a perspective view of the chair embodying my invention.

Fig. 2 is a perspective view of the chair in closed position.

Fig. 3 is an enlarged sectional detailed view of the toggle connections and associated parts.

Fig. 4 is a broken plan view of Fig. 3.

Fig. 5 is a detail sectional view of the main frame members showing their positions when several chairs are piled one above the other to form a stack.

The same numerals of reference are used to indicate the identical parts in all the figures.

As illustrating one form of structure embodying my invention, I have shown a chair comprising main frame members 1 and leg members 2, mounted and connected together as hereinafter described. The main frame members 1 are connected together at their upper ends by a spacing member 3 and a similar member 4 connects these frame members at a point approximately midway of their length, the construction and method of mounting of these members being better shown in Fig. 3 where it will be observed that each edge of the member 4 is turned

over as at 5 and a rod 6 passes through the tube thus formed and is riveted through the leg members 1.

A pivot rod 7 is fastened between the main frame 1 and passes through the leg members 2 and acts as a mounting for the latter upon which they may swing from open to closed position. The upper ends of the leg members 2 are connected by links 8 to the side flanges of the seat 9 and at a point intermediate the ends of each link 8, a second link 10 is pivoted, the rear end of this link being pivoted to the main frame member.

The rear edge of the seat 9 is hinged as at 11 to the lower edge of the back member 12, the upper edge of this member being connected to a rod 13 which passes through the frame members and is riveted therein.

The position of the levers 8 and 10 and their associated parts, when the chair is open or in position for use is clearly shown in Fig. 4 where it will be observed the lever 8 is offset to permit the lever 10 to pass between it and the flange of the seat, the lever 10 being spaced from the main frame 1 by any suitable collar 14.

To close or fold the chair, the forward edge of the seat is raised and as it travels upward, it swings to the rear as shown by the dotted lines of Fig. 3, the levers and other parts being also shown in dotted lines, and as the seat approaches the position of Fig. 2, it swings forward as well as upward so that when fully closed the chair is perfectly flat as shown in Fig. 2.

I prefer to make the side members 1 of sheet metal and to form a ridge on one edge and a groove in the other edge so that the chairs may be stacked, the side members nesting as in Fig. 5 so that the stack will be firm and will not slide sidewise.

To brace the legs 2, I secure a rod 15 between their lower portions and a similar rod 16 at the upper ends, this latter rod also serving as a pivotal connection for the forward ends of the levers 8.

Having thus fully described my invention I claim:

1. In a chair the combination of a pair of main frame members, a pair of leg members pivotally mounted thereon, a back pivotally mounted to the frame members and to a seat, a seat, links connecting the seat

with the main frame members, and second links connecting the first links with the main frame members.

2. In a chair the combination of main frame members, leg members pivotally mounted on the main frame members, a back pivotally mounted on the main frame members, a seat hinged to the lower edge of the back, links connecting the seat with the upper ends of the leg members, and links connected to the main frame members and to the first mentioned links at a point between their ends.

3. In a chair the combination of main frame members, spacing members connecting the main frame members, leg members pivotally mounted between the main frame

members, a seat, a swinging support for the rear edge of said seat and forming a back for the chair, links connecting the seat and leg members and second links connecting the first links with the main frame members. 20

4. In a chair the combination of main frame members, leg members pivotally 25 mounted thereon, a seat, a swinging support for the rear edge of said seat and forming a back for the chair, links connecting the seat with the upper end of the leg members, and links connected to the main frame 30 members and the first mentioned links at a point between their ends.

EMORY FINDLEY.