

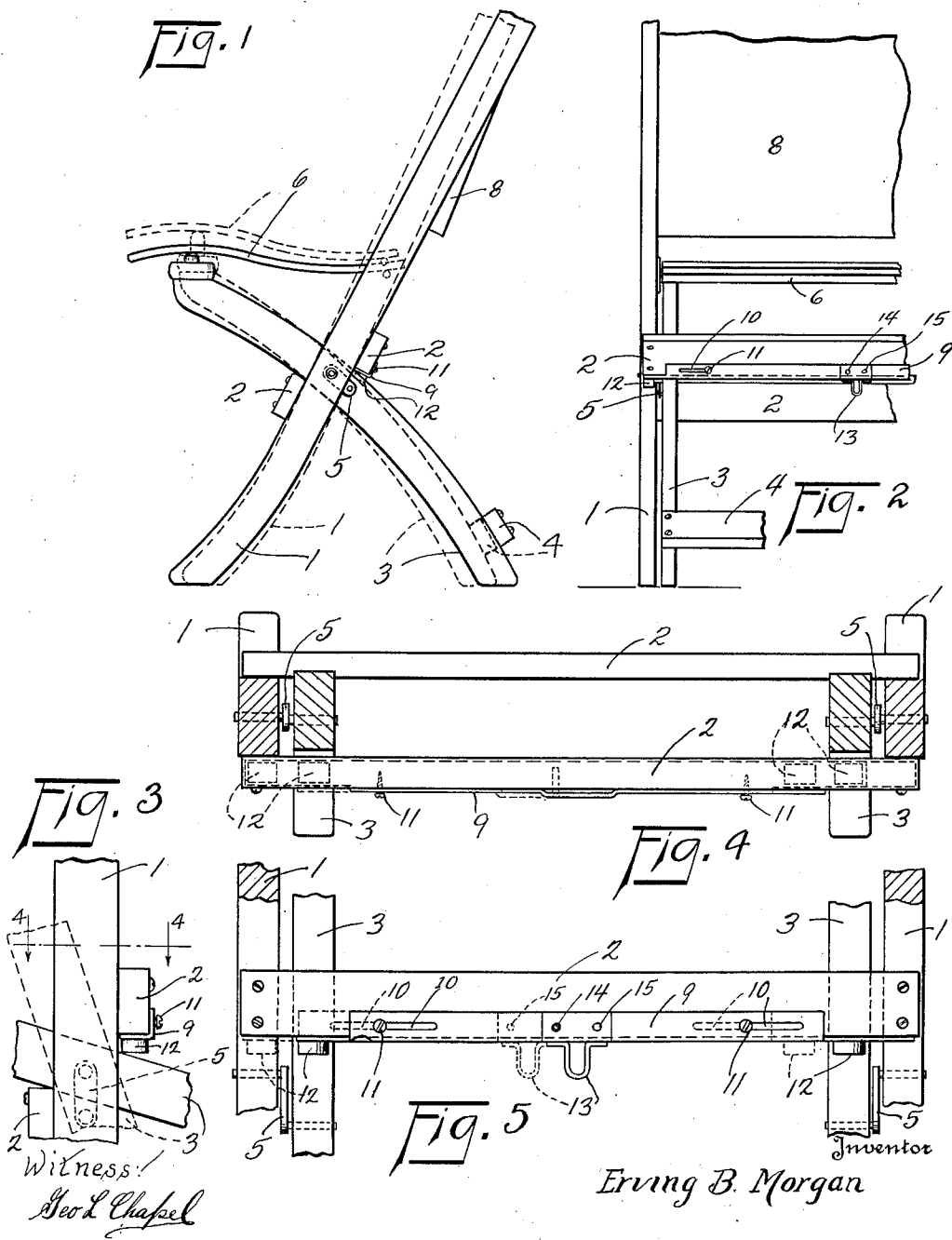
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FOLDING CHAIR

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1,979,562

FOLDING CHAIR

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2 Claims. (Cl. 155—143)

This invention relates to folding chairs and more particularly to an attachment for folding chairs of the character shown and described in United States Letters Patent No. 1,719,253 issued July 2, 1929 to my assignee.

The main objects of the invention are to provide an attachment whereby seats of chairs of the character above mentioned may be adjustably elevated; to provide manually operable means for adjustably raising or lowering the seat of such chairs; and, to provide a chair of the character above indicated having an attachment adapted to be secured thereto which is economical to manufacture, simple to install and utilitarian in use.

An illustrative embodiment of the invention is shown in the accompanying drawing wherein:

Figure 1 is a side elevational view of the chair showing the seat in its normal position, the dotted lines indicating the chair seat in its elevated position;

Figure 2 is a fragmentary rear elevational view thereof;

Figure 3 is a fragmentary view of two legs of the chair and the transversely spaced stretchers and the attachment for supporting the legs and elevating the chair seat;

Figure 4 is a sectional view taken on line 4—4 of Figure 3; and

Figure 5 is a fragmentary rear elevational view of the chair showing the manually operable means of the attachment for adjustably raising or lowering the seat portion thereof.

Referring to the drawing, the pair of front legs 1 of a folding chair are secured together in alignment by a pair of transversely disposed stretchers 2. The stretchers are spaced apart and are secured to the legs 1 on opposite sides thereof in any convenient manner. A pair of rear legs 3 extend between the spaced stretchers 2 and are similarly secured in alignment by a single transversely disposed stretcher 4.

Front and rear legs are pivotally secured together in any suitable manner but preferably by a link hinge 5 whose opposite ends are pivotally connected to each of said legs respectively, as shown, to provide a floating hinge therebetween in order that the weight on the seat 6 will be equally sustained by each of the stretchers 2.

The seat 6 is supported by the upper ends of the rear legs 3 and is pivotally connected at its rear sides to the legs 1 which are considerably longer than the rear legs 3 in order that the front legs 1 may provide supports for the chair back 8.

The rear stretcher 2 is provided with an angular bar 9 having slots 10 at its opposite ends and screws 11 pass through each of the slots providing means for sliding the angular bar longitudinally with respect to its supporting stretcher. Secured to each lower end of the sliding bar are projecting portions or blocks 12 which when the bar is slid to the left, as indicated in Figure 5, interposes the projecting portions or blocks between rear stretcher and its engaging pair of rear legs, for further limiting the pivotal spreading movement between each pair of legs to raise the seat.

A U-shaped member 13 secured to the underside of the angular bar in any suitable manner, as by spot welding, provides means for laterally shifting the angular bar for adjustably raising or lowering the seat portion of the chair which rests on the upper ends of the rear legs and as best indicated in Figure 1 and a raised stop 14 adapted to seat within the spaced openings 15 provides means for tensionally securing the angular bar in either of its adjusted positions.

Thus it will be seen that a folding chair is herein shown and described in which the seat thereof may be adjustably elevated or lowered by manually operable means, which manually operable means comprises an attachment which is economical to manufacture, simple to install and utilitarian in use.

While but one specific embodiment of the invention has been herein shown and described, it will be understood that numerous details of the construction shown may be altered or omitted without departing from the spirit of this invention as defined by the following claims.

I claim:

1. In a folding chair, a pair of front legs and a pair of rear legs, each front leg being pivotally connected to its rear leg, a stretcher connecting one pair of legs above said pivotal connections and adapted to engage the other pair of legs for limiting the pivotal spreading movement between the pairs of legs, a seat pivotally connected between one pair of legs and adapted to rest on the other pair of legs, and manually slidable means secured to said stretcher and provided with portions adapted to be interposed between said stretcher and its engaging pair of legs for further limiting the pivotal spreading movement between each pair of legs.

2. In a folding chair, a pair of front legs pivotally connected to a pair of rear legs, a seat pivotally connected to one pair of legs and adapted to rest on the other pair of legs, a pair of stretchers transversely and spacedly secured to one pair of said legs on opposite sides thereof and adjacent opposite sides of the other pair of legs for engaging said other pair of legs in their pivotal movement and for limiting said pivotal movement, and manually slidable means secured to one stretcher and provided with portions adapted to be interposed between said stretcher and its engaging pair of legs for further limiting the pivotal spreading movement between each pair of legs.

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