

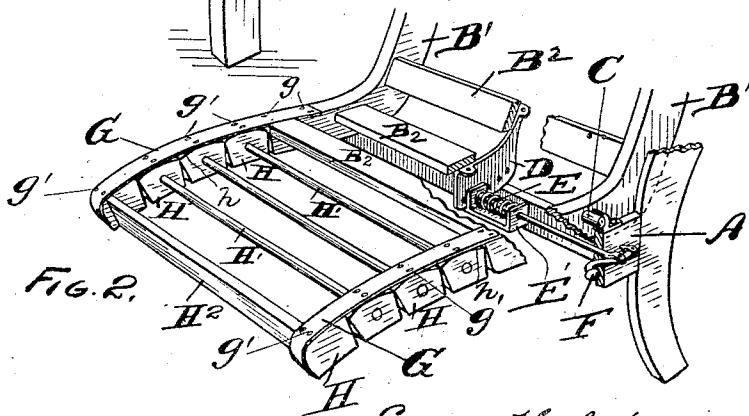
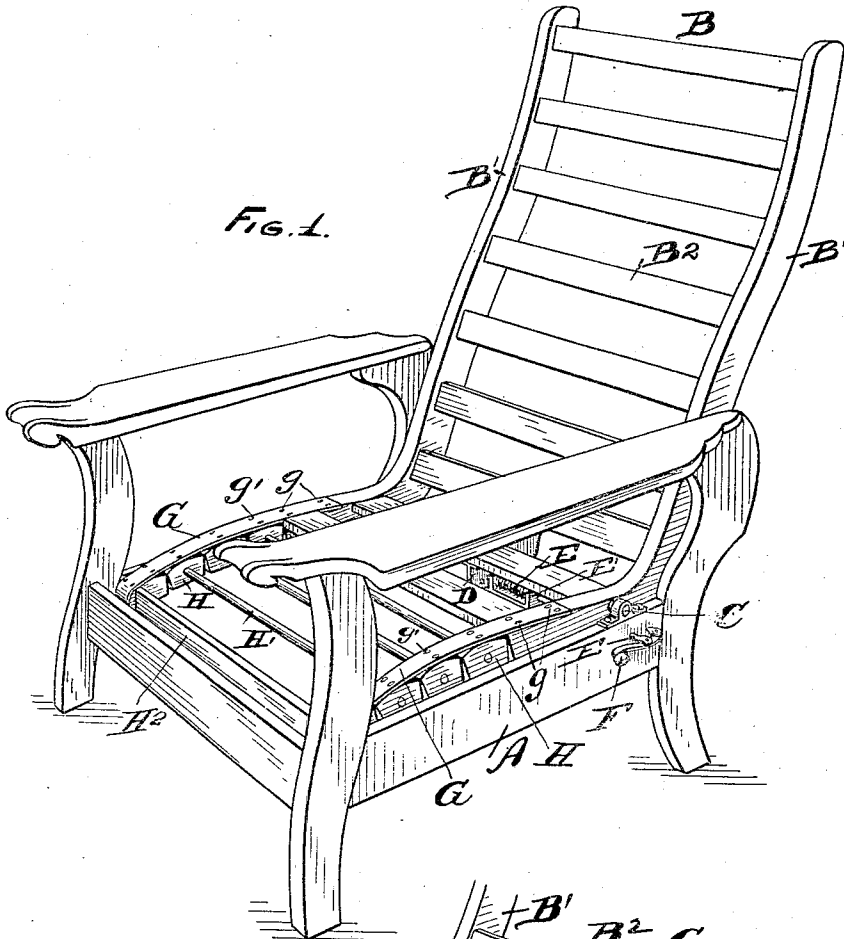
E. H. MILNER.

CHAIR.

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941,160.

Patented Nov. 23, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

EMIL H. MILNER, OF STOCKBRIDGE, MICHIGAN.

CHAIR.

941,160

Specification of Letters Patent. Patented Nov. 23, 1909.

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To all whom it may concern:

Be it known that I, EMIL H. MILNER, a citizen of the United States, residing at Stockbridge, county of Ingham, State of Michigan, have invented a certain new and useful Improvement in Chairs, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in chairs and has for its object means whereby the seat and back may be adjusted with reference to each other to meet the requirements of the party occupying it.

A further object is the construction of the seat portion whereby it will automatically adapt itself to the angle at which the back may be set.

Another feature of the invention is the means employed for securing the back at any desired angle.

Other improvements will hereafter appear.

In the drawings accompanying this specification: Figure 1 is a perspective view of the chair with the cushions removed to disclose the construction of the parts. Fig. 2 is a detail perspective view with parts broken away and in section, showing more particularly the means employed to adjust and lock the back of the chair.

Referring now to the letters of reference spread upon the drawings:—A indicates the frame of the chair in which the seat and back are mounted.

B is the back formed of two side members B' connected together by cross bars B².

C denote trunnions projecting from the members B' and mounted in suitable bearings secured to the frame A by means of which the back may be tilted at an angle to the frame A.

D is a depending plate or fin bolted to the cross bars B² and perforated for the passage of a spring actuated latch or bolt E mounted in the casting E'.

F is a lever connected with the bolt E whereby the bolt may be withdrawn from locking relation with the plate D.

G are spring bands secured at g' to the

side members B' and at g' to a plurality of blocks H connected together in pairs by rods H'. H² is a cross member connecting the outer blocks H, this may be a rod similar to H', the form shown is, however, preferred. The blocks H to which the spring bands G are secured are preferably formed with an arc-shaped top h, as shown, the better to adapt them for the varying contour of the seat.

Having indicated the several parts by reference letters the operation of my invention will be readily understood.

To adjust the back which may be done while occupying the chair, the lever F is forced outwardly thereby withdrawing the bolt E from locking relation with the plate D. The back is then adjusted to the angle desired and the bolt allowed to enter the hole in the plate D corresponding therewith. It will now be seen that as the back is tilted in either direction the forward part of the seat section (connected together as it is by means of the spring bands G to the side members B') will automatically shape itself to the position of the limbs of the person occupying the chair, due to the L-shaped back causing the seat to arch when the back is tilted,—the forward part of the seat automatically adjusting itself to the requirements of the occupant by virtue of the spring bands connecting the side members of the seat.

Having thus described my invention, what I claim is:—

1. In a chair, a frame, a tilting back portion having continuous side members pivoted to the frame, a seat formed of a plurality of cross-members, and spring bands secured to the back portion and to each of the several cross-members of the seat portion, whereby the latter are flexibly connected together and to the back portion.

2. In a chair, a frame, a tilting back portion having continuous side members pivoted to the frame, means for locking the back in a fixed position, a seat formed of a plurality of cross-members, and spring bands secured to the back portion and to each of the several cross-members of the seat portion, whereby the latter are flexibly connected together and to the back portion.

3. In a chair, a frame, an L-shaped tilting

back, a seat formed of a plurality of members wedge-shaped in cross section, and spring bands secured to the back and to each of the several wedge-shaped members
5 of the seat portion.

4. In a chair, a frame, a tilting back, a seat portion formed of a plurality of blocks, rods connecting said blocks in pairs, a pair of flexible bands secured to the blocks and

to the tilting back, and means for locking 19 said back in a fixed position.

In testimony whereof, I sign this specification in the presence of two witnesses.

EMIL H. MILNER.

Witnesses:

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