

E. H. MILNER.
RECLINING CHAIR.
APPLICATION FILED FEB. 18, 1911.

1,015,452.

Patented Jan. 23, 1912.

Fig. 1.

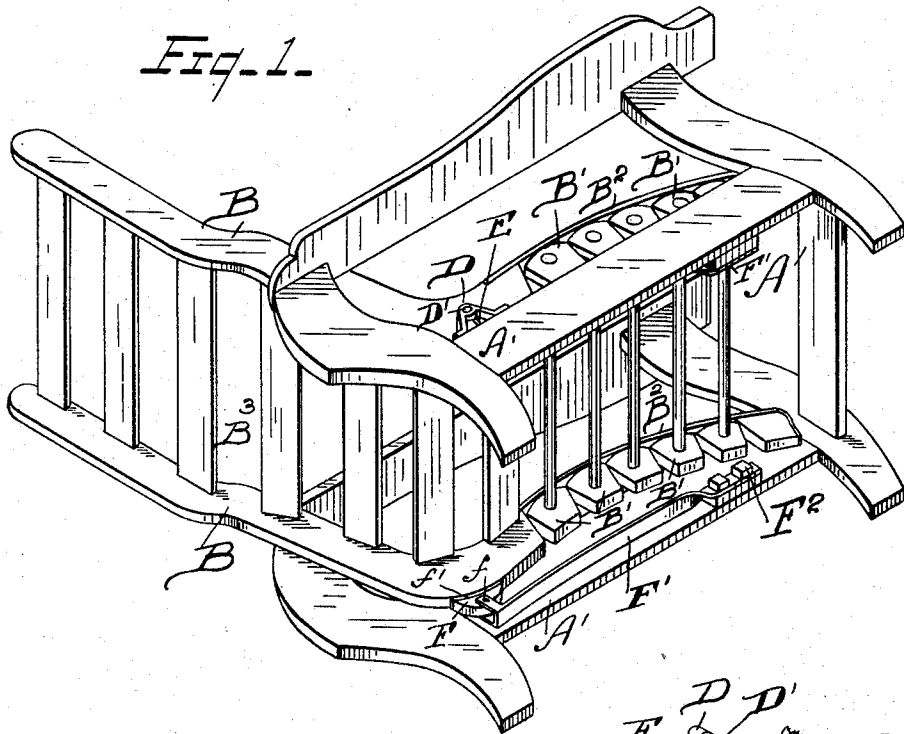


Fig. 2.

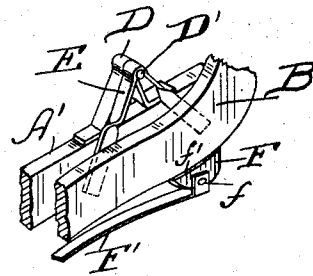
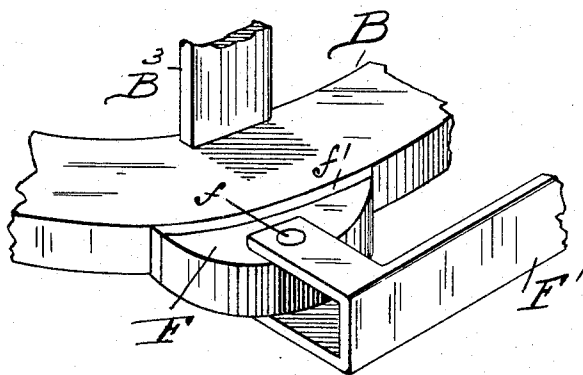


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

EMIL H. MILNER, OF STOCKBRIDGE, MICHIGAN.

RECLINING-CHAIR.

1,015,452.

Specification of Letters Patent.

Patented Jan. 23, 1912.

Application filed February 18, 1911. Serial No. 609,345.

To all whom it may concern:

Be it known that I, EMIL H. MILNER, citizen of the United States, residing at Stockbridge, county of Ingham, State of Michigan, have invented a certain new and useful Improvement in Reclining-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 reclining chairs, shown in the accompanying drawings and more particularly pointed out in the following specification and claim.

The object of my invention is to provide a spring actuated friction brake for reclining chairs by means of which the chair back is held against accidental movement when adjusted by the occupant.

Other advantages and improvements will hereafter appear.

In the drawings accompanying this specification:—Figure 1 is a perspective view of the underside of a reclining chair of the "Morris" type. Fig. 2 is a fragmentary detail of the frame of the chair, the brake shoe and its spring supporting hanger. Fig. 3 is a fragmentary view of the chair frame showing the hanger supporting the frame of the seat portion and the brake shoe in position.

Referring now to the letters of reference placed upon the drawings: A is a supporting frame, and B, B, the side members of the seat and back portion. The forward part of the seat is formed in sections B' connected together by spring straps B², as shown in my United States Patent No. 941,160, granted November 23, 1909.

B³ are cross bars connecting the side members of the seat.

D is a hanger secured to each of the side rails A' of the seat frame A, in which is supported a projecting pintle D' to receive the hanger E in turn bolted to each of the side members of the seat and back portion,—the construction being such that the weight

of the chair occupant is carried by the hangers D and E.

Bearing against the edge of each of the side members B, is an arc-shaped rocking brake shoe F pivoted at *f* to a spring supporting arm F', in turn bolted at F² to the chair frame A.

f' denotes a lining for the brake shoe formed of rubber or other suitable material.

Having indicated the several parts by reference letters, the construction and operation of the device will be readily understood.

In the construction shown in the drawings, the weight of the occupant of the chair is carried by the supporting hangers D and E,—therefore the pressure required to apply the brake shoe against the edge of the side members of the seat frame to hold the seat in the position desired by the chair occupant, is obtained through the action of the spring supporting arms F'. It is apparent, however, that the rocking brake shoe may be applied to adjustable chairs in which the seat is not suspended from the frame by hangers designed to carry the entire weight of the occupant.

While I have shown the spring supporting arms relatively long, they may be short and flat or they may be of other form without departing from the spirit of my invention.

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

In a reclining chair, a stationary frame, a combined tilting back and seat frame mounted in the stationary frame, the back and seat merging into each other on a curve at the base of the back, a pair of arms secured to the sides of the stationary frame near the forward end of the latter and projecting toward the rear of the frame and being yieldable bodily from their securing means to their opposite ends, a brake shoe pivotally mounted on the rear end of each arm and adapted to be held normally in engagement with the tilting back and seat frame substantially at the point where the back and seat merge into each other, by the resiliency of the arms, so that upon tilting

movement of the back and seat frame the
frictional resistance between the back and
seat frame at the point where they merge
into each other, and the brake shoes arrests
5 movement of the tilting frame and main-
tains it at the tilting angle desired by the
chair occupant.

In testimony whereof, I sign this specifi-
cation in the presence of two witnesses.

EMIL H. MILNER.

Witnesses:

MARLE H. FORCE,
LOUIS M. MILNER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
