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A. P. BOYER.

SETTEE OR CHAIR.

APPLICATION FILED AUG. 31, 1904.

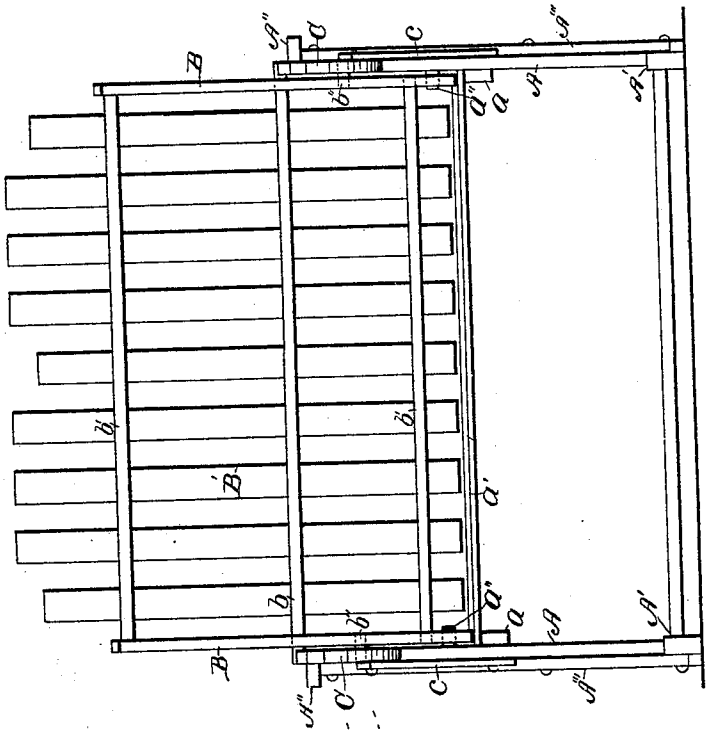

Fig. 2.

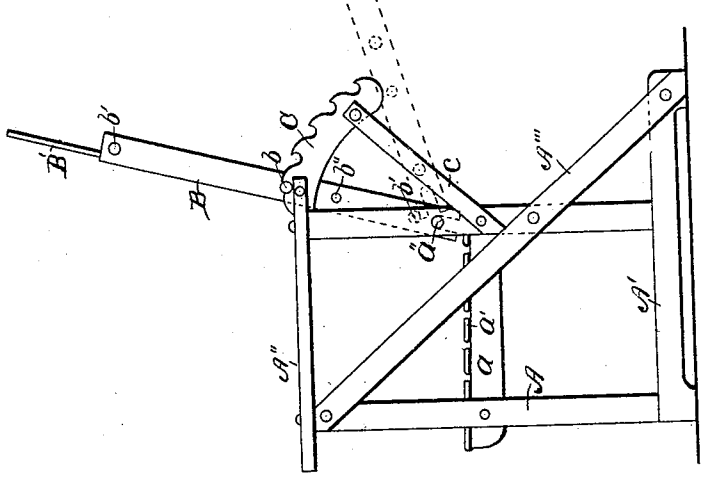

Fig. 1.

Witnesses:

Ethel A. Seller

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# UNITED STATES PATENT OFFICE.

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## SETTEE OR CHAIR.

No. 823,102. Specification of Letters Patent. Patented June 12, 1906.

Application filed August 31, 1904. Serial No. 222,829.

*To all whom it may concern:*

Be it known that I, ALLEN P. BOYER, a citizen of the United States, residing at the city of Goshen, county of Elkhart, State of Indiana, have invented certain new and useful Improvements in Settees or Chairs, of which the following is a specification.

This invention relates to improvements in adjustable settees or chairs.

The main object of this invention is to provide an improved adjustable settee or chair which is simple and economical in structure and quickly and easily adjusted.

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 embodying the features of my invention is clearly illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation view of a settee embodying my invention, the position of the back in removing from the chair being indicated by dotted lines. Fig. 2 is a rear elevation view of the structure shown in Fig. 1.

In the drawings similar letters of reference refer to similar parts in both views.

Referring to the drawings, the legs A are provided with base-pieces A′. These base-pieces project rearwardly to maintain the stability of the settee when the back is in its rearward position. The legs are braced by the braces A‴, which are secured to the rear ends of the base-pieces and arranged diagonally upward across the legs. Arm-rests A″ are provided. The seat-slats *a′* are supported by the cross-pieces *a*. The side pieces B of the back are connected by rounds or cross-pieces *b* and *b′*. The slats B′ of the back are secured to these cross-pieces. The ends of the center round *b* of the back extend through the side pieces B to form pins which engage the curved rack-bars C. The rack-bars C are secured to the rear ends of the arm-rests A″ and extend rearwardly therefrom. Braces *c* are provided for these arm-rests. The lower ends of the side pieces B are notched longitudinally to engage the inwardly-projecting pins *a″*, which are arranged on the rear legs just above the seat. The back pivots on these pins in adjusting.

The rearward or backward adjustment of the back is accomplished by lifting upwardly to disengage the pins from the teeth of the rack-bar and allowing them to engage the lower teeth as desired. The teeth of the rack-bar are curved forwardly, so that the forward adjustment is accomplished by merely pulling the back forward, and when released the pins will automatically engage the teeth of the rack-bar.

Stops *b″* project outwardly from the side pieces B below the racks C to prevent the disengaging of the back from the pins *a″*. When it is desired to remove the back entirely, it is dropped down to the position indicated in dotted lines in Fig. 1, when it may be readily withdrawn.

I have illustrated and described my invention as applied to a settee. It is evident, however, that the same is applicable to chairs. By arranging the parts as I have illustrated and described I am enabled to produce a structure of comparatively light materials which is very rigid and strong. The back may be quickly adjusted to the desired position or may be removed entirely when it is desired to store or transport the structure. The same can be replaced without tools.

I have illustrated and described my improved settee or chair in detail in the form preferred by me on account of its structural simplicity and economy. I am, however, aware that it is capable of considerable structural variation without departing from my invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the legs; base-pieces therefor extending rearwardly beyond the rear legs; braces extending from the rear ends of said base-pieces upwardly across said legs; arm-rests on the upper ends of said legs; a seat carried by said legs; a back having side pieces with longitudinal notches in their lower ends; curved rack-bars having forwardly-curved teeth on the rear ends of said arm-rests; outwardly-projecting pins on said side pieces of said back adapted to engage said rack-bars; inwardly-projecting pins on the rear legs adapted to engage said notches in said side pieces of said back; and stops on said side pieces of said back projecting beneath said rack-bars, for the purpose specified.

2. The combination of the legs; base-

pieces therefor extending rearwardly beyond the rear legs; braces extending from the rear ends of said base-pieces upwardly across said legs; arm-rests on the upper ends of said legs; a seat carried by said legs; a back having side pieces with longitudinal notches in their lower ends; curved rack-bars on the rear ends of said arm-rests; outwardly-projecting pins on said side pieces of said back, adapted to engage said rack-bars; inwardly-projecting pins on the rear legs adapted to engage said notches in said side pieces of said back; and stops on said side pieces of said back projecting beneath said rack-bars, for the purpose specified.

3. The combination of the legs; base-pieces therefor extending rearwardly beyond the rear legs; braces extending from the rear ends of said base-pieces upwardly across said legs; arm-rests on the upper ends of said legs; a seat carried by said legs; a back having side pieces with longitudinal notches in their lower ends; curved rack-bars having forwardly-curved teeth on the rear ends of said arm-rests; outwardly-projecting pins on said side pieces of said back adapted to engage said rack-bars; and inwardly-projecting pins on the rear legs adapted to engage said notches in said side pieces of said back, for the purpose specified.

4. The combination of the legs; base-pieces therefor extending rearwardly beyond the rear legs; braces extending from the rear ends of said base-pieces upwardly across said legs; arm-rests on the upper ends of said legs; a seat carried by said legs; a back having side pieces with longitudinal notches in their lower ends; curved rack-bars on the rear ends of said arm-rests; outwardly-projecting pins on said side pieces of said back adapted to engage said rack-bars; and inwardly-projecting pins on the rear legs adapted to engage said notches in said side pieces of said back, for the purpose specified.

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

ALLEN P. BOYER. [L. S.]

Witnesses:
ADELAIDE J. ADAMS,
OTIS A. EARL.