

No. 736,822.

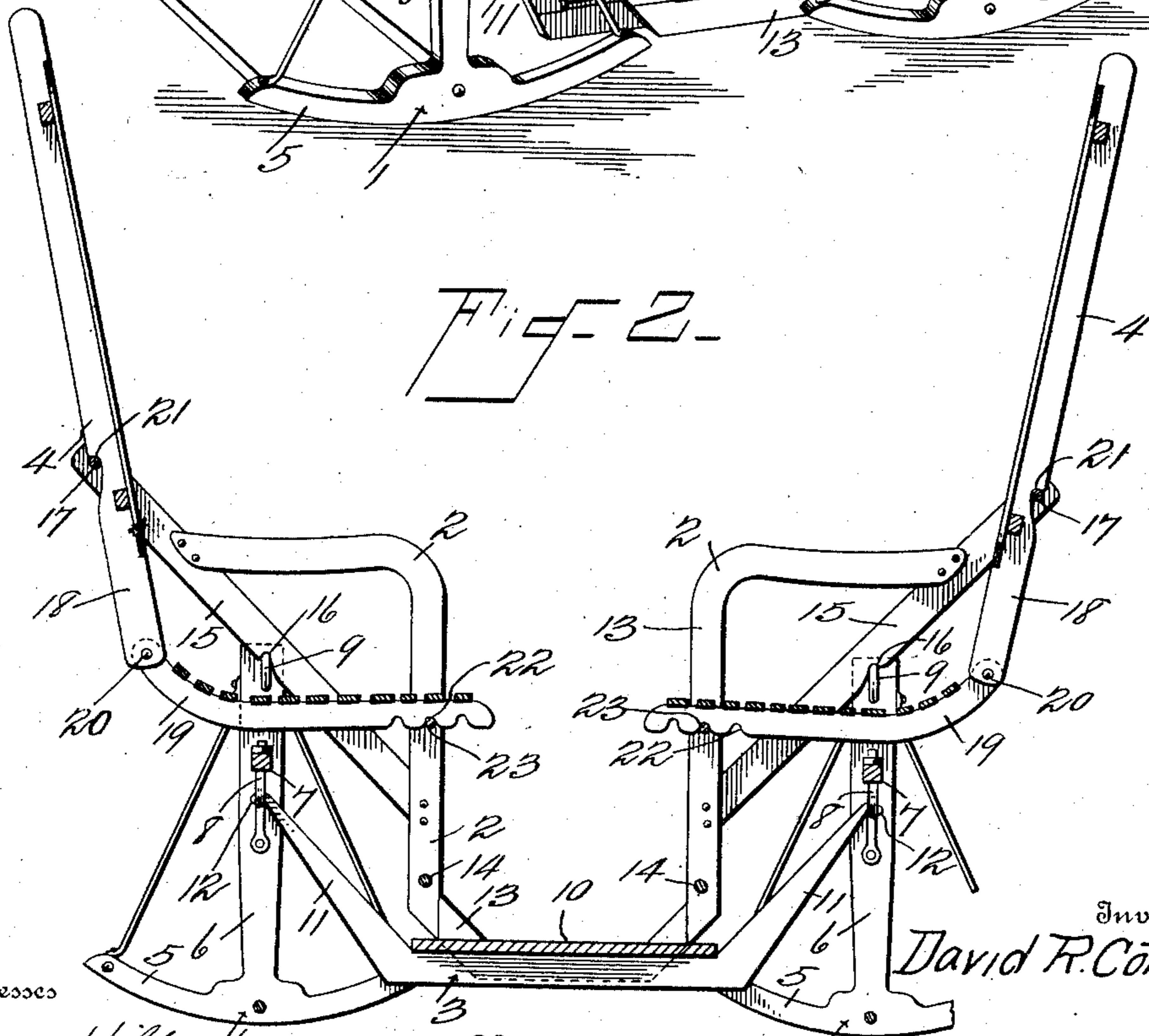
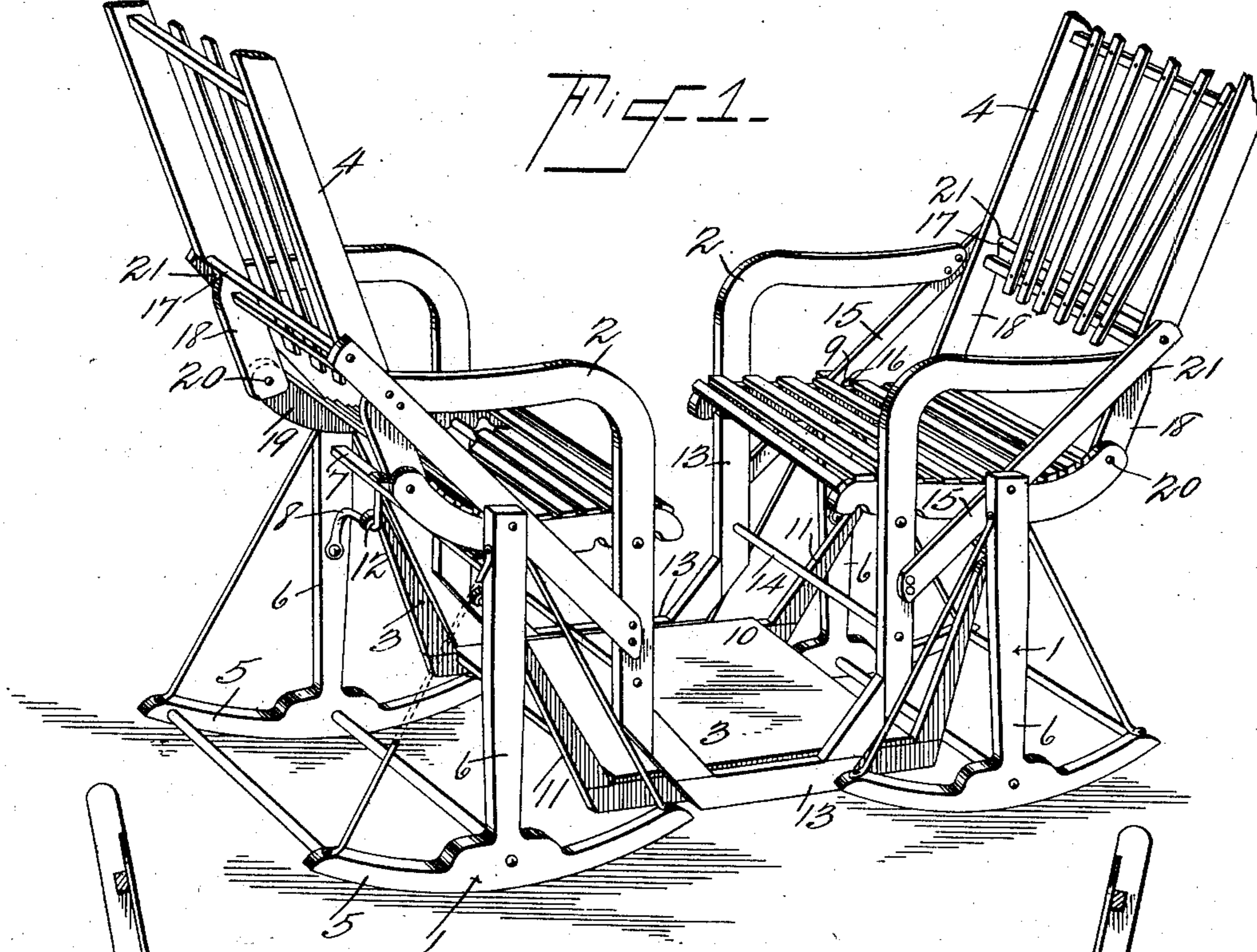
PATENTED AUG. 18, 1903.

D. R. COTNER.

CHAIR.

APPLICATION FILED NOV. 24, 1902.

NO MODEL.



Witnesses

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# UNITED STATES PATENT OFFICE.

DAVID RUDOLPH COTNER, OF BARDWELL, KENTUCKY.

## CHAIR.

SPECIFICATION forming part of Letters Patent No. 736,822, dated August 18, 1903.

Application filed November 24, 1902. Serial No. 132,668. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID RUDOLPH COTNER, a citizen of the United States, residing at Bardwell, in the county of Carlisle and State of Kentucky, have invented certain new and useful Improvements in Chairs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a duplex rocking-chair in which the reciprocating motion is imparted by pressure on the footboard, and is designed to take the place of the derrick-swings used upon porches, verandas, and lawns.

The object of the invention is to produce a chair of this character which will have an easy and almost level reciprocating motion, similar to a swing, without the use of the supporting derrick or frame, which is composed of few parts, detachably connected and designed to be compactly folded for transportation, and which is simple in construction, durable in use, attractive in design, and comparatively inexpensive of production.

With the above and other objects in view, which will readily appear as the nature of the invention is better understood, said invention consists in certain novel features of construction and combination and arrangement of parts, which will be hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved chair. Fig. 2 is a vertical longitudinal sectional view of the same.

Referring to the drawings, it will be seen that my chair is composed of six detachable sections—namely, the two rocker-frames 1, the rigid seat-frame or arm-section 2, the foot-platform 3, and the two seat and back sections 4.

Each of the rocker-frames 1 comprises the rockers 5, suitably spaced apart and provided with the vertical standards 6, which are suitably braced and connected adjacent to their upper ends by the cross-bar 7. Brackets 8 are secured to said standards and cross-bar at each side of the frame, and upon the inner side at the upper end of each standard a bracket or stud 9 is fastened.

The platform-section 3 comprises two longitudinal strips united by the footboard 10 and provided with the upwardly-extending arms 11, formed with hooks 12, which engage the brackets 8 to support the said foot-section.

The receptacle or body of the chair is illustrated in the drawings as the two seat and back sections mounted upon the rigid frame or arm-section, but which may be a cradle-body, carriage, or receptacle of any character. The seat-frame or arm-section 2 comprises two rigid side frames 13, formed with arm-rests and united by the cross-rods 14 and the rung 23. The diagonal braces 15 of each of said side frames are formed with notches 16, which engage the brackets 9 upon the standards of the rocker-frames to support said arm-section. The outer ends of these braces 15 are connected by the rungs 17. Each of the seat and back sections 4 comprises a back 18 and a seat 19, which are pivoted together at 20. The side rails of the back are formed with notches 21, which hook upon the rungs 17 of the seat-supporting frame and support the back. Each of the side rails of the seat is formed with a series of notches 22, one of which engages the rung 23 of the seat-supporting frame. The angle between the back and seat may be altered by varying the engagement of the notches 22 with the rungs 23, as will be readily understood.

In the operation of the chair when the seats are occupied the feet of the occupants rest upon the platform, and when pressure is exerted upon the same motion will be imparted to the rocker-frames. These rocker frames or sections will rock in unison, owing to the manner in which they are connected, and the platform-section and seat-frame or arm-section upon which the seats are mounted will be moved back and forth in nearly the same plane. In other words, the seats will at all times be level or in a horizontal position as they are reciprocated, and the raising and lowering of the same will be very slight.

It will be readily seen that by dispensing with the seat-supporting frame and the seat-sections a cradle body or bed may be supported upon the brackets 9 in the same manner in which the seat-frame is supported, and a swinging cradle may thus be produced

which will operate upon the same principle as my chair.

From the foregoing description, taken in connection with the accompanying drawings, it is thought that the construction, operation, and advantages of my improved duplex rocking-chair will be readily apparent without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. The combination of rocking elements, a longitudinally-movable foot-frame pivotally connected thereto, and a body disposed above the foot-frame and pivotally connected to the said rocking elements, substantially as described.

2. The combination of rocking elements, chair-seats, adjustable chair-backs pivotally connected to the seats, a longitudinally-movable element adjustably connected to the chair-seats, and a brace element connected to said longitudinally-movable elements, pivotally connected to the rocking elements, and also pivotally connected to the chair-backs, substantially as described.

3. The combination of rocking elements, chair-seats, adjustable backs therefor, and longitudinally-movable connecting elements pivotally connected to the rocking elements, adjustably connected to the chair-seats and also connected to the backs, substantially as described.

4. A chair of the character described, comprising rocker-frames, a body or seat frame pivotally hung upon said rocker-frames, and a foot-platform pivotally hung upon said rocker-frames below said seat-frame, substantially as set forth.

5. A chair of the character described, comprising rocker-frames, a foot-platform pivotally hung upon said rocker-frames, a seat-frame or arm-section pivotally hung upon said rocker-frames, and seat and back sections hung upon said seat-frame, substantially as set forth.

6. A chair of the character described, comprising rocker-frames formed with standards having two sets of brackets, a foot-platform pivotally hung between said rocker-frames upon one set of brackets, and a seat-supporting frame pivotally hung between said rocker-frames upon the other set of brackets, substantially as set forth.

7. A chair of the character described, comprising rocker-frames formed of spaced rockers having vertical standards, each of which is provided with an upper and lower bracket, a foot-platform formed with hook-arms which pivotally engage the lower brackets upon said standards, and a supporting seat-frame formed with notches to pivotally engage the upper brackets upon said standards, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DAVID RUDOLPH COTNER.

Witnesses:

J. W. HOPPER,  
L. J. BRYANT.