

(No Model.)

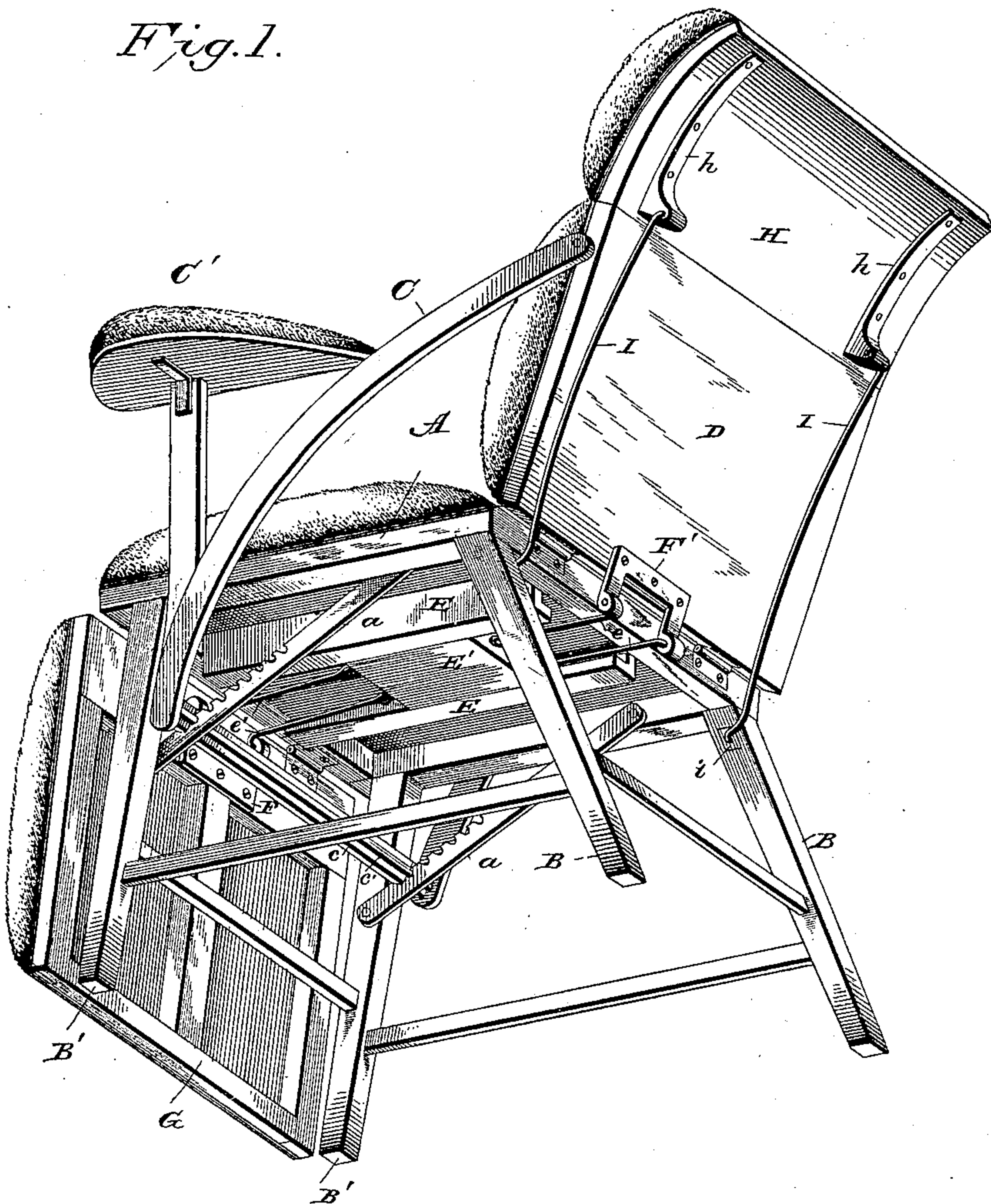
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F. M. McGREW.
RECLINING CHAIR.

No. 426,948.

Patented Apr. 29, 1890.

Fig. 1.



Frank M. McGrew

Witnesses

L. S. Elliott.
M. Johnson

Inventor

By his Attorney

[Signature]

(No Model.)

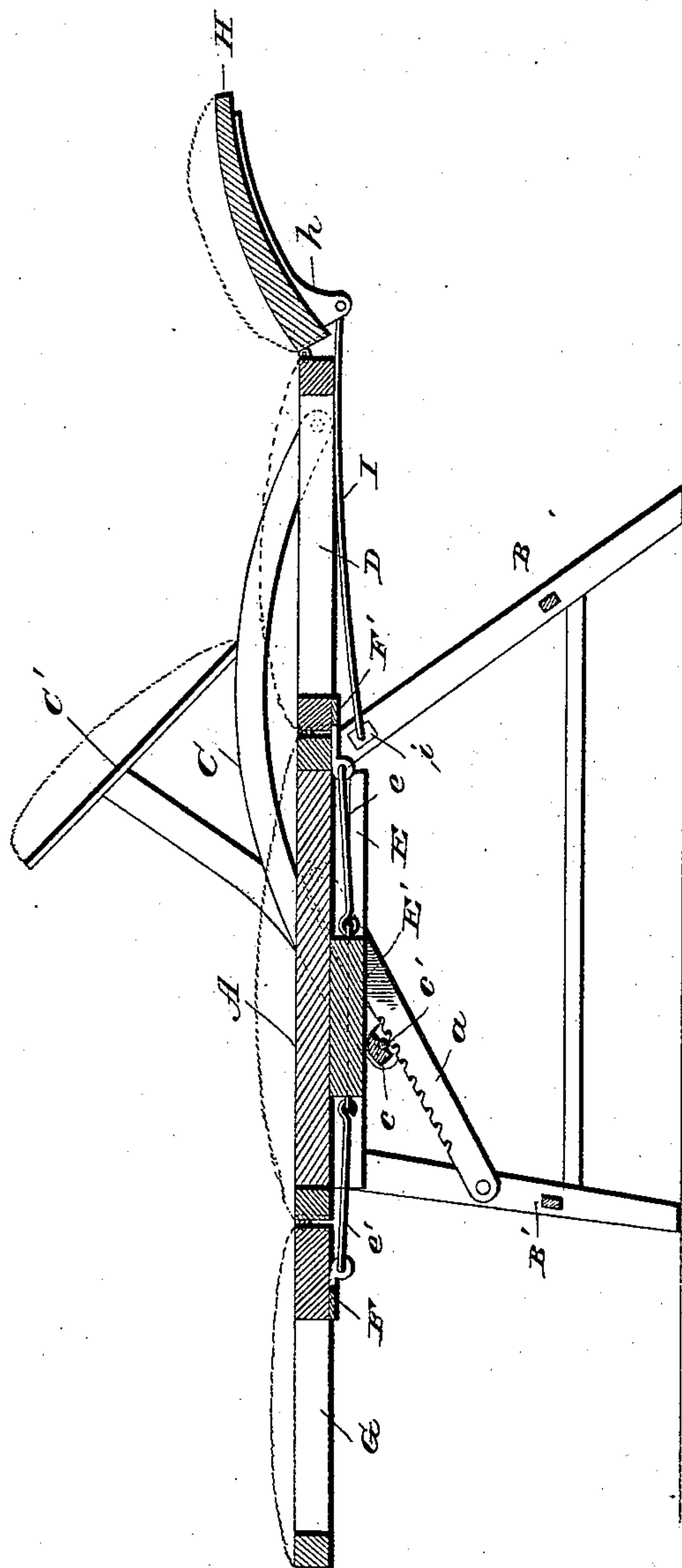
2 Sheets—Sheet 2.

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Fig. 2.



Frank M. McGrew

Witnesses

L. S. Elliott.
M. Johnson

Inventor

By his Attorneys

[Signature]

UNITED STATES PATENT OFFICE.

FRANK M. MCGREW, OF CANAL FULTON, OHIO.

RECLINING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 426,948, dated April 29, 1890.

Application filed November 7, 1889. Serial No. 329,490. (No model.)

To all whom it may concern:

Be it known that I, FRANK M. MCGREW, a citizen of the United States of America, residing at Canal Fulton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Reclining-Chairs; and I do hereby 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in reclining-chairs.

The object of the invention is to provide a chair having a stationary seat-section with adjustable back and head sections, as well as a foot-section and arms, the supporting-legs being rigidly attached to the seat-section, as will be hereinafter fully set forth.

In the accompanying drawings, Figure 1 is a perspective view of a chair constructed in accordance with my invention. Fig. 2 is a sectional view.

A refers to the seat-section, to which the legs B and B' are attached, the rear legs extending at an angle and braced to the front legs, as shown. To the under side of the seat-frame A are secured rack-bars *a*, which extend from the rear portion thereof forwardly and are secured at their front ends to the legs B', the teeth in said bar being pitched, as shown.

C refers to the arms, which are preferably made of bent wood and are pivoted to the back-section D, the lower ends of the arms extending downwardly beneath the seat and connected to each other by a cross-bar *c*, carrying a rod *c'*, which engages with the ratchet-teeth on the bar *a*, the transverse bar *c* being cut away or recessed above said ratchet-teeth. The curved or bent arm C has attached thereto a horizontal arm-rest C', the forward end of which is supported by a vertical post, as shown.

To the under side of the seat-frame A are secured two parallel guide-rails E E, between which slides a block E', to the ends of which are secured bails or loops *e* and *e'*. The free ends of the bail *e'* are bent at an angle and

engage with perforations formed in the lugs F, attached to the foot-section G, the said foot-section being hinged to the front end of the seat-frame, as shown. The back-section is provided with similar lugs F', with which the bent ends of the bail *e* are adapted to engage. It will be observed that by this construction if either the foot-section G or the back-section D is moved the other will move in unison therewith.

H refers to the head-section, which is hinged to the upper end of the back-section D, the said head-section being curved, as shown, and provided with outwardly-projecting perforated lugs *h*, with which the upper ends of rods I engage, the lower bent ends of said rods being pivotally attached to a casting *i*, attached to near the upper ends of the rear legs, so that when the section D is thrown back the head-section will incline upwardly therefrom. Thus when the back and foot sections are inclined there will be a corresponding reverse inclination of the head-section, and when the back-section is thrown completely back the said head-section will be inclined upwardly to form a pillow. The parts are locked in position when adjusted by the arms and rack-bars, and to adjust the parts it is only necessary to raise the arms, which can be done while the person occupies the chair.

I claim—

1. In a reclining-chair, the combination of a seat-section having supporting-legs and inclined rack-bars, back and foot sections hinged thereto, the back-section carrying pivoted arms having a connecting-bar which engages with the rack-bars, a sliding block, and pivoted connections engaging therewith and with the back and foot sections, substantially as shown, and for the purpose set forth.

2. The combination, in a reclining-chair, of a seat-section, its supports and inclined bars, a back and foot section hinged thereto and provided with lugs with which pivoted bails engage, said bails being attached to a sliding block operating in guides secured to the seat-bottom, and means for retaining the back in position, consisting of side arms pivotally attached to the back and connected by a bar, together with a rack for engaging said bar, substantially as set forth.

3. The combination, in a reclining-chair

constructed substantially as shown and provided with hinged back and foot sections, guides attached beneath the seat-section, and a sliding block having bails or straps which
5 engage with irons attached to the back and foot sections, of inclined rack-bars with which the transverse bar engages, said bar being pivotally attached near the upper portion of the back-section by side arms, substantially
10 as shown, and for the purpose set forth.

4. The combination, in a reclining-chair, with a rigid seat-section, supporting-legs therefor, and rack-bars *a a*, of a back-section secured by butt-hinges at its lower end to the rear of
15 the seat-section, a hinged foot-section, pivoted bails connecting the back-section and foot-

section by means of an interposed block, pivoted arms having a transverse bar and rod which engages with the ratchet-teeth of the bars *a*, and a head-section having projections
20 with transverse perforations with which the upper ends of the rods *I* engage, and a casting for pivotally connecting the lower ends of said rods to the rear legs, the parts being organized substantially as set forth. 25

In testimony whereof I affix my signature in presence of two witnesses.

FRANK M. MCGREW.

Witnesses:

SAMUEL HERMAN,
JOHN W. NIGH.