(No Model.)

R. H. ARNOLD.

RECLINING CHAIR.

No. 403,318. Patented May 14, 1889.

Fig. 1.

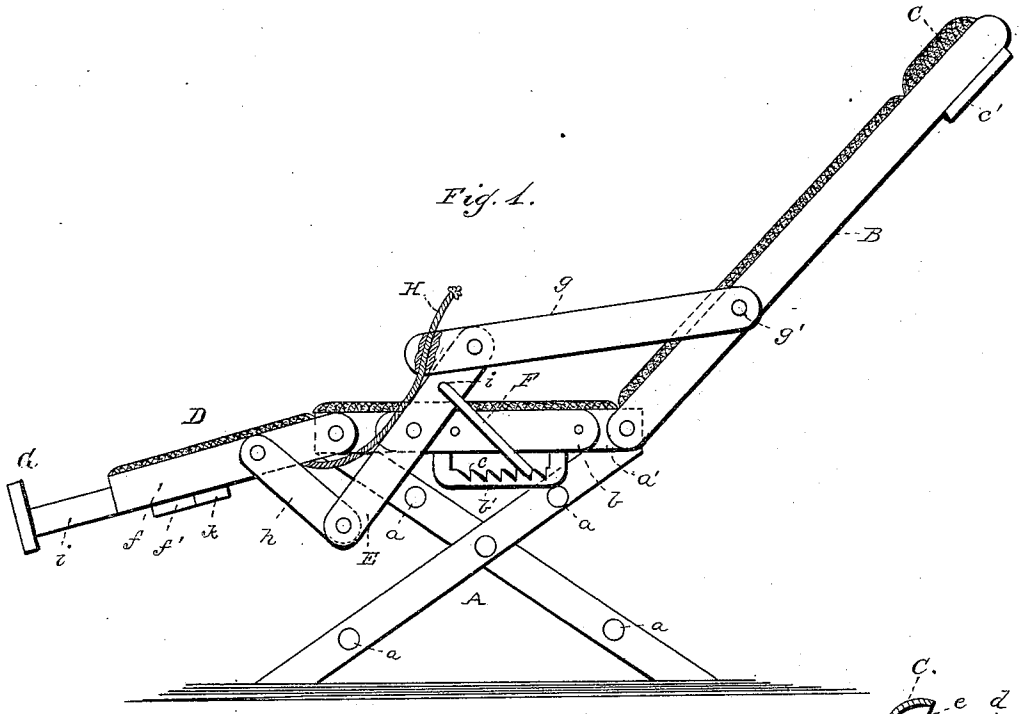
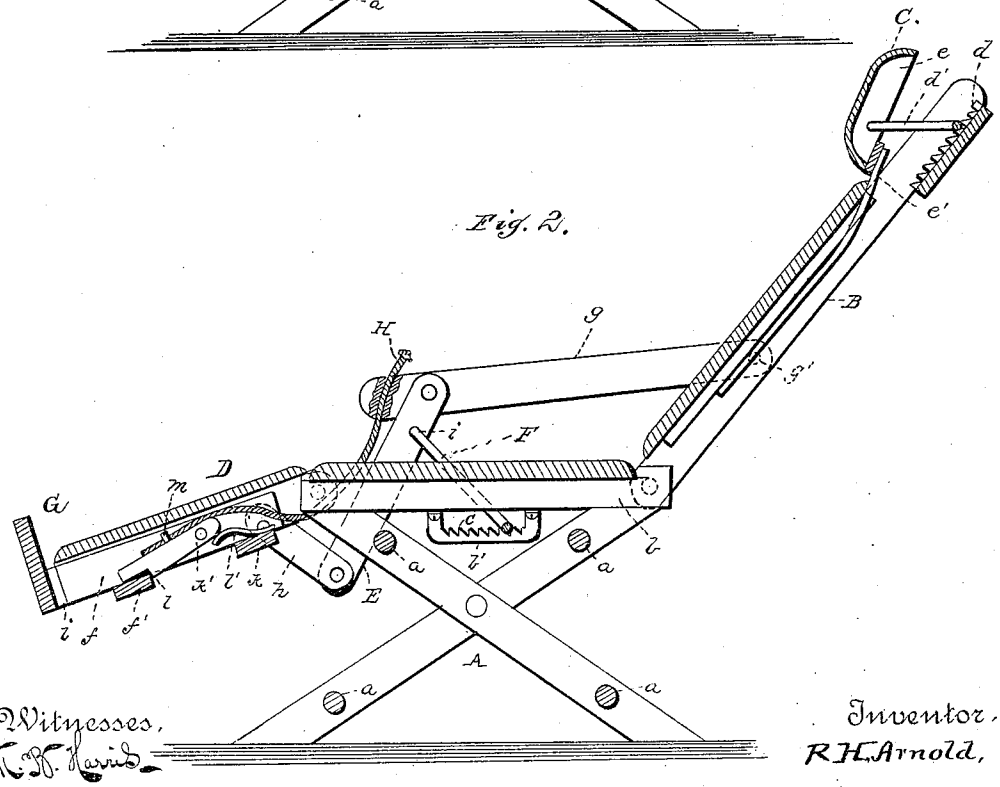


Fig. 2.



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ROLLIN H. ARNOLD, OF HONEOYE, NEW YORK.

RECLINING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 403,318, dated May 14, 1889.

Application filed January 23, 1888. Renewed December 24, 1888. Serial No. 294,517. (No model.)

To all whom it may concern:

Be it known that I, ROLLIN H. ARNOLD, a citizen of the United States, and a resident of Honeoye, in the county of Ontario and State of New York, have invented certain new and useful Improvements in Reclining-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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a side elevation of my improved chair. Fig. 2 is a vertical longitudinal section.

The invention relates to improvements in reclining-chairs; and it consists in the construction and novel combination of parts, as hereinafter specified, illustrated in the drawings, and pointed out in the claim.

Referring to the drawings, A designates the crossed legs of a chair braced and strengthened by the transverse rounds *a*, and *a'* shows the side rails for the seat. To the outer sides of the side rails, *a'*, is secured the projecting pieces *b*, to which the depending detents *b'* are attached, the vertical shoulders *c* of the detents facing to the front of the chair.

B represents the side rails of the chair-back pivoted or hinged to the rails *a'* and connected at the top by a cross-piece, *c'*. Detent-plates *d* are transversely secured to the inner surface of the cross-piece *c'*, to engage the brace-rod *d'*, pivoted at its ends to the side portions, *e*, of the pillow C. The pillow C has secured to it the spring-rods *e'*, which extend downward to a point below the center of the side rails, B, where the lower ends are securely fastened. The spring-rods *e'* allow the pillow to be brought forward, where it may be secured at any desired angle by means of the brace-rod *d'* engaging with the teeth of the detent-plates *d*, and upon releasing the brace-rod from the detent-plate the pillow C is forced back to the cross-piece *c'*, the brace-rod *d'* taking an upright position.

D is the leg-rest having the side rails, *f*, pivoted or hinged to the outer ends of the rails *a'*, and a transverse brace, *f'*, fastened to the under side of the rails *f*.

E is a lever-arm centrally fulcrumed to the portion *b*, as shown, and extending upward to a pivoted connection with the chair-arms *g*, which are pivoted or hinged at their rear ends to the back rails, as at *g'*. A shorter arm, *h*, is pivoted at one end to the lever-arm, its opposite end being connected by a pivot to the rails *f* of the leg-rest.

F shows a detent-rod running transversely beneath the chair-seat. Its ends pass between the portion *b* and the depending detents *b'*, and are turned upward to a pivotal connection, *i*, with the lever-arm.

The detent-rod F is designed by its engagement with the teeth of the detents *b'* to secure the chair-back and leg-rest in any desired position.

G is a foot-board having the rearwardly-extending slide-bars *i'*. The bars *i'* slide between and bear against the side bars of the leg-rest, the brace *f'* serving to retain them in place, and a stop-bar, *k*, joins the rear ends of the slide-bars in the rear of the brace *f'*, which prevents the extension portion from being wholly withdrawn.

As a means of retaining the foot-extension in a closed position, the short arms *k'* are pivoted at their rear ends to the inner face of the bars *i'*, as shown, the free ends being notched at *l* to bear against the inner upper edge of the brace *f'*. The springs *l'*, secured to the stop-bar *k* and bearing upwardly against the arms *k'* back of the pivotal points, are provided to press the notched end of the arm downward.

H represents the chains or cords secured at one end to the upper side of the arms *k'* and passing through the eyes *m* to the outside of the chair. For convenience, the outer ends of the cords may be attached to the chair-arms, as shown.

To place the chair in a reclining position, the person sitting in the chair releases the rod F from the shoulders *c* and pushes slightly with the feet upon the foot-board and at the same time exerting pressure with the back upon the back of the chair. When the occupant desires to sit up, he leans forward in the chair and presses with his feet upon the foot-board.

If it is desired to extend the leg-rest, the occupant of the chair releases the arms *k'* by

pulling the cords attached thereto and pushing outward with the feet.

Having described my invention, what I claim is—

In a reclining-chair, the combination, with the chair-seat, the foot-rest pivoted thereto, having the side rails, *f*, the braces *f'*, and the extension portion, of the short arms *k'*, pivoted to the inner face of the bars *i'* and having the notched free end, the stop-bar *k*, the springs *l'*, secured thereto and bearing upon the inner arms, *k'*, and the cords or chains secured at one end to the upper side of the arms *k'*, substantially as specified.

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

ROLLIN H. ARNOLD.

Witnesses:

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