(No Model.)

M. S. ALLEN.

RECLINING CHAIR.

No. 255,908. Patented Apr. 4, 1882.

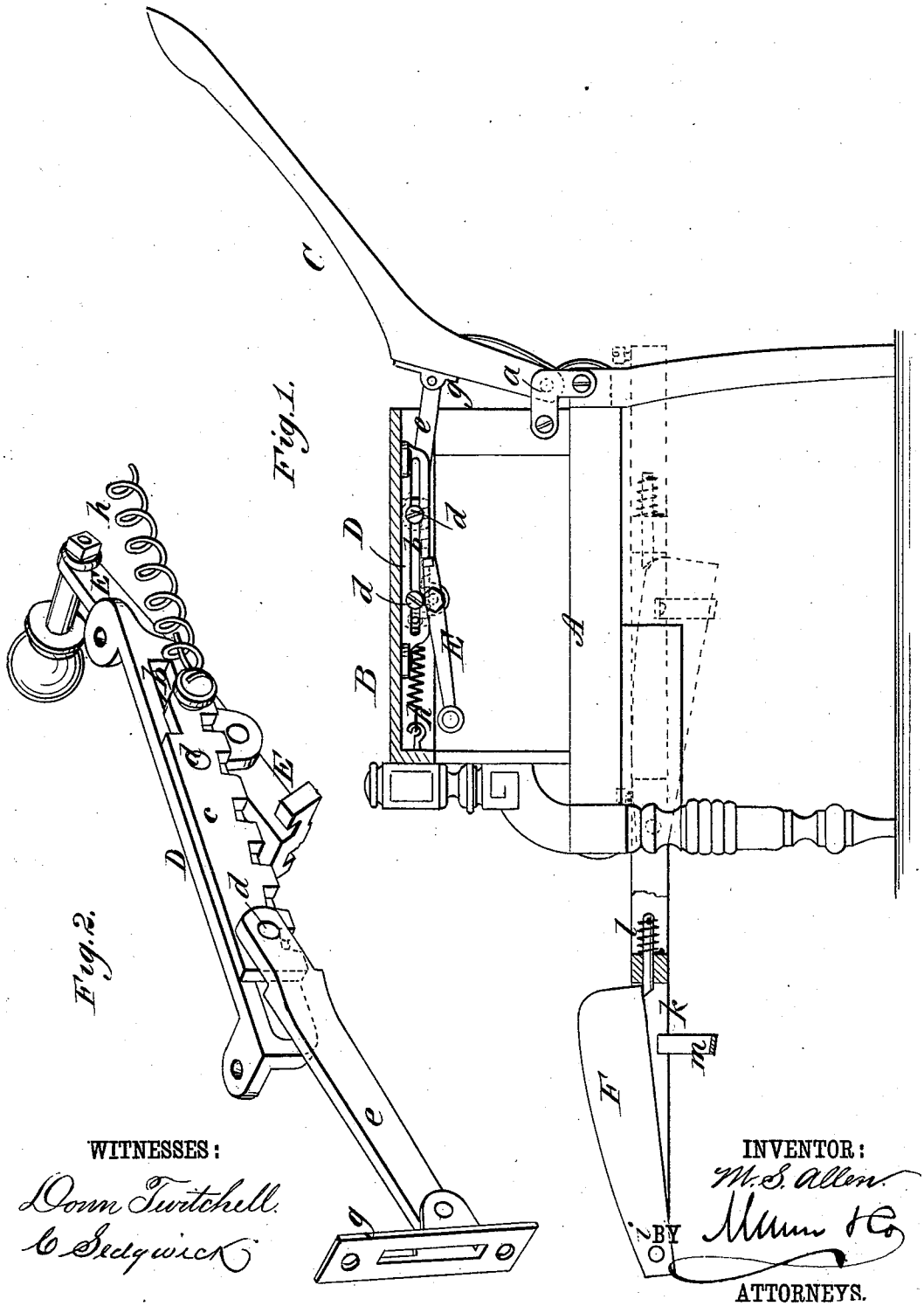


Fig. 1.

Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

MORRIS S. ALLEN, OF BROOKLYN, NEW YORK, ASSIGNOR TO HIMSELF AND JOHN S. SINEY, OF SAME PLACE.

RECLINING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 255,908, dated April 4, 1882.

Application filed November 22, 1881. (No model.)

To all whom it may concern:

Be it known that I, MORRIS S. ALLEN, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Reclining-Chairs, of which the following is a full, clear, and exact description.

My improvements relate to the class of chairs having pivoted backs adjustable by ratchet mechanism secured in the arms, which are stationary.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional side elevation of a chair containing my improvements. Fig. 2 is a perspective view of the slide and rack mechanism detached.

A is the seat-frame, provided with fixed side arms, B, and back C, which is hinged at *a* to the seat-frame. The arms are grooved at the under side, and each contains the devices as follows:

D is a plate fixed to the arm by screws and formed with a longitudinal slot, *b*.

c is a rack-bar held to plate D by headed screws or pins *d d* passing through slot *b*, so that the rack is free to slide endwise.

e is a rod or bar pivoted by one pin, *d*, at one end to the rack *c*, and attached at the other end by a knuckle-joint to a plate, *g*, attached on the back C.

h is a spring attached to the arm B and connected to rack *c* at the end opposite the connection of bar *e*, so that the spring tends to draw the rack and bar endwise and raise the chair-back.

E is a pawl-lever pivoted on plate D and having its inner end bent at right angles to engage the rack *c*. The outer end of lever E has a knob extending to the outer side of the arm in position for convenient handling by the occupant of the chair. The lever is retained in connection with the rack by gravity.

With this construction the occupant of the chair brings the back to the position required by raising the handle ends of levers E to disengage their inner ends and leaning backward. The back is held against return as soon as the levers are released, and to raise the back it is only necessary to raise the levers, when the springs will draw the back up.

The foot-rest F is a frame suitably upholstered and pivoted by a rod or pins, *i*, between the side arms, *k*, of a sliding frame that is fitted to the seat-frame beneath the bottom. In its raised position the rest F is held by a spring-catch, *l*, and on its release drops between the arms *k* and rests on a support, *m*. In this position the rest is below the top of the sliding frame, and the frame can then be moved beneath the seat. This foot-rest is shown and described to show the whole chair as it appears in use, but will form the subject-matter of another application.

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

The combination, with the seat-frame A, having fixed side arms, B, grooved on the under side, and the back C, hinged to said frame at *a*, of the plates D, having longitudinal slot *b*, the rack-bar *c*, passing through slot *b*, the rod *e*, pivoted at one end to said rack and knuckle-jointed to a plate, *g*, on back C, the spring *h*, attached to arm B and connected with rack-bar *c* at the end opposite the connection of bar *e*, and the end-bent pawl-lever E, pivoted on plate D, for the purpose specified.

MORRIS S. ALLEN.

Witnesses:
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