

(No Model.)

L. S. HAYES.

FOLDING ROCKING CHAIR.

No. 248,312.

Patented Oct. 18, 1881.

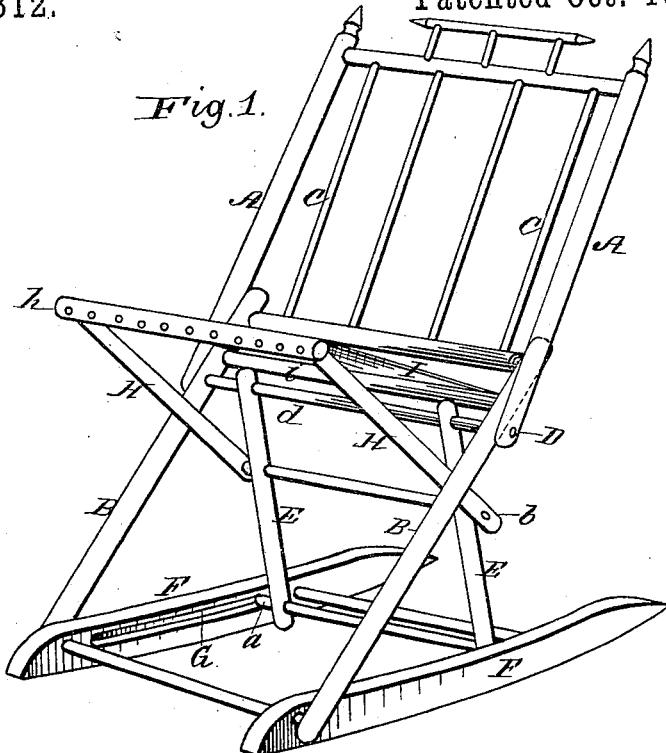


Fig. 1.

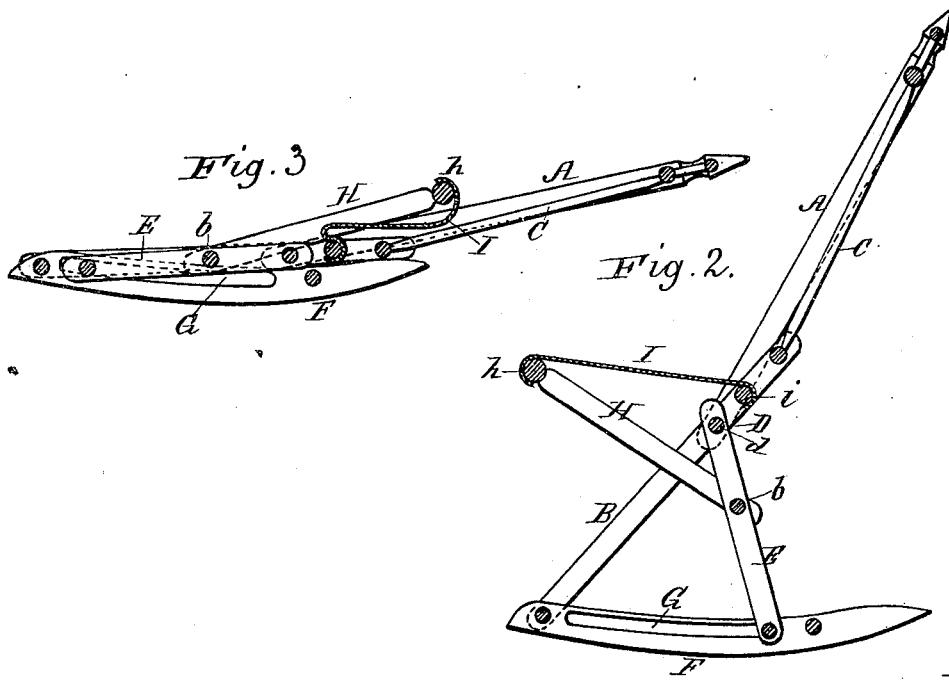


Fig. 2.

Fig. 3

Witnesses:

W. B. Masson.

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UNITED STATES PATENT OFFICE.

LEWIS S. HAYES, OF CORTLAND, NEW YORK.

FOLDING ROCKING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 248,312, dated October 18, 1881.

Application filed August 27, 1881. (No model.)

To all whom it may concern:

Be it known that I, LEWIS S. HAYES, a citizen of the United States, residing at Cortland, in the county of Cortland and State of New York, have invented certain new and useful Improvements in Folding Rocking-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 the letters or figures of reference marked thereon, which form a part of this specification.

15 My invention relates to folding rocking-chairs; and it consists in the combination and arrangement of parts, as will be more fully hereinafter set forth, and specifically pointed out in the claims.

20 In the annexed drawings, which form a part of this specification, Figure 1 is a perspective view of the chair set up for use. Fig. 2 is a vertical section, showing the chair set up for use, and Fig. 3 a similar section of the chair 25 when folded.

Similar letters refer to similar parts throughout the several views.

A represents the side bars of the back, which are connected to the front leg, B, by spindles 30 C, in the manner shown, so that the parts A, B, and C form a single rigid frame. To this frame at D are pivoted on round *d* the back legs, E, both legs B and E being pivoted at their lower ends to the rockers F.

35 The rockers are each provided on its inner side with a groove, G, which extends from a short distance back of the point where the front leg is pivoted to the rockers, in which groove the pivot of the rear legs move backward and 40 forward in unfolding and folding the chair, such pivot being extended, as shown at *a*, sideways beyond the leg E.

To the legs E at *b* are pivoted the side bars, H, of the seat-frame, which are connected at 45 their forward ends by a round, *h*, which round forms the front support for a flexible seat, I, whose rear support is a round, *i*, connecting the front legs, B, near their upper ends.

To fold my chair, when set up for use, it is 50 only necessary to raise the round at the front of the seat, which first raises the seat-frame until the side bars impinge against the round *d*,

which connects the back frame and front and rear legs at D. This round then becomes a fulcrum for the side bars, H, which are further moved upward toward the back, and their lower ends being pivoted to the rear legs at *b*, said legs are carried forward, their pivots moving in the grooves G in the rockers, causing the rockers to be moved upward at their rear ends, 60 turning at their front ends on the pivotal connections with the front legs until their rear ends are brought in contact with the front legs and the whole structure assumes the position shown in Fig. 3.

65 The chair may be returned to its open position by simply reversing this movement—that is, by pressing downward upon the round *h* and spreading the seat.

It is obvious that the rockers may be folded 70 up to the front leg independently of the seat by moving the projecting pivots in the slots, thus preventing the strain that a folding chair undergoes when the motions of all parts are necessarily simultaneous.

75 Having thus described the construction and operation of my invention, I claim as new—

1. The combination, substantially as described, of the front legs, B, the back legs, E, pivoted thereto below the seat by the round *d*, 80 the seat-frame bars H, pivoted to the rear legs at *b* and otherwise free, and the seat I, connecting the rounds *h* and *i*, whereby the rear legs are folded by raising the seat-frame, as set forth.

85 2. The combination, substantially as described, of the front legs, the rear legs pivoted thereto at D, the seat-frame pivoted to the rear legs at *b*, the seat, and the rockers having grooves G, the front legs being pivoted to the 90 rockers, and the rear legs having projecting pivots for operation in said grooves, as set forth.

3. The combination of the front legs, rear legs, pivoting-round *d*, seat-frame H *h*, seat I, 95 round *i*, and rockers having grooves G, all as set forth.

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

LEWIS S. HAYES.

Witnesses:

JOHN W. SUGGETT,
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