2 Sheets—Sheet 1.

D. W. MILLER.

Reclining-Chair.

No. 219,289. **Patented Sept. 2, 1879.**

Fig. 1.

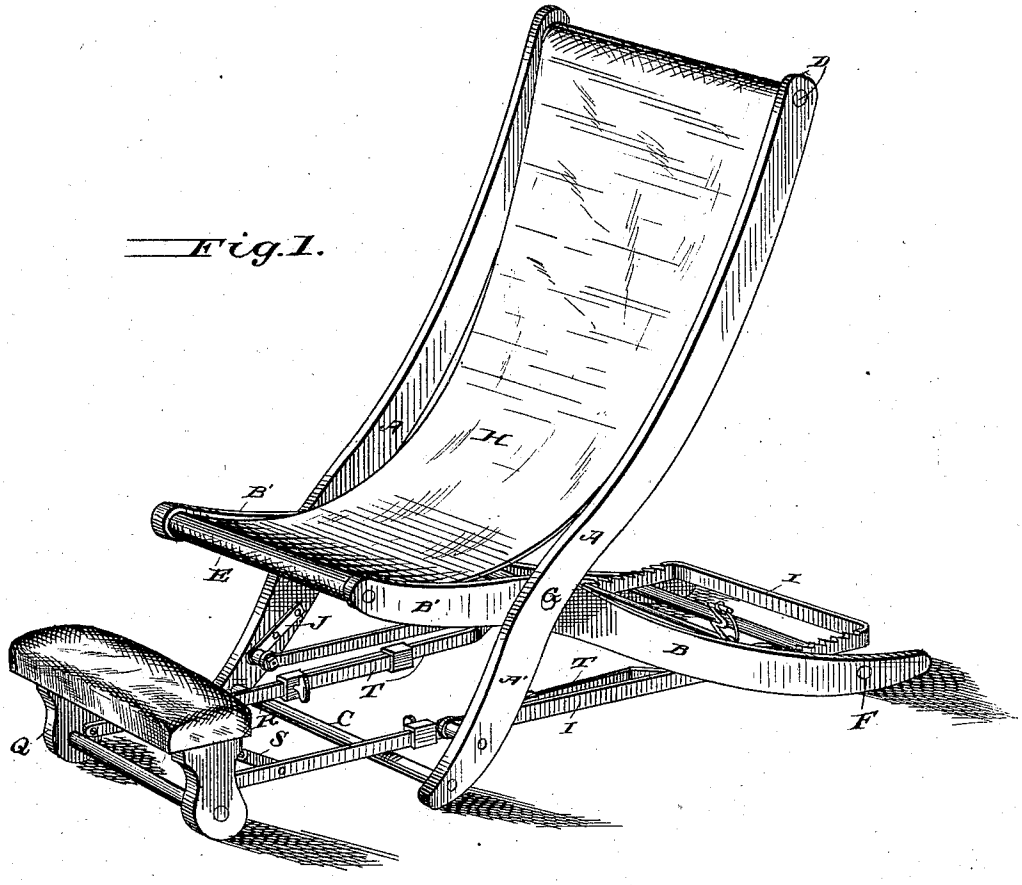
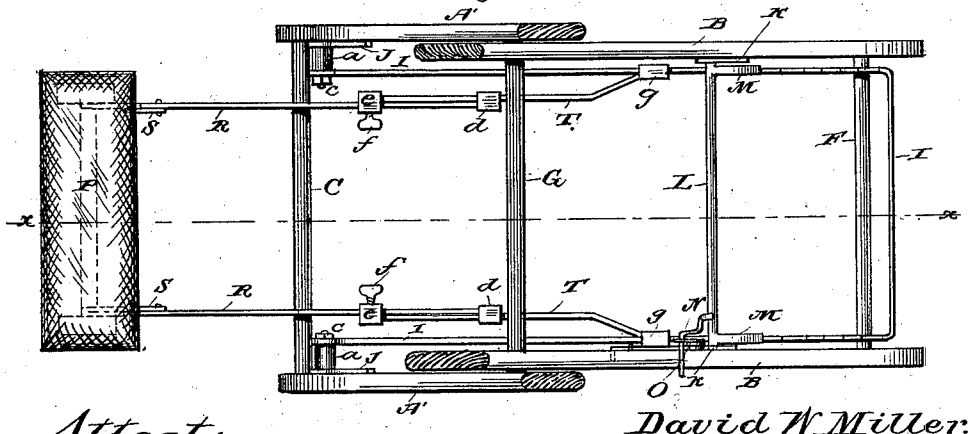


Fig. 2.



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2 Sheets—Sheet 2.

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Fig. 3.

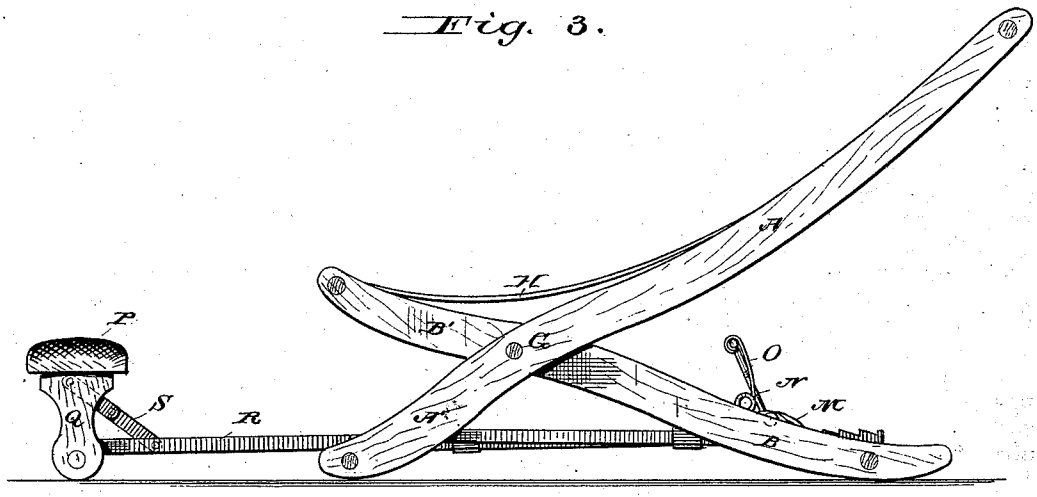
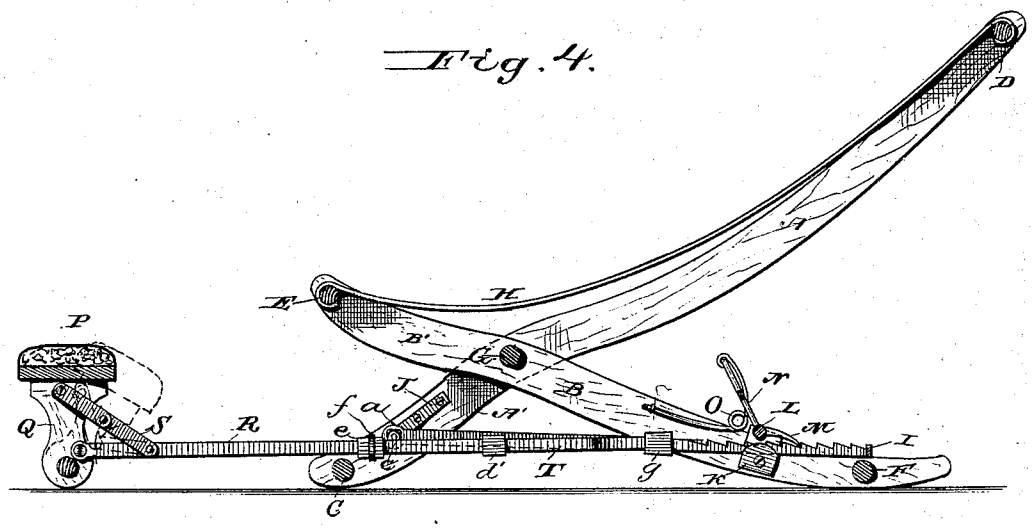


Fig. 4.



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UNITED STATES PATENT OFFICE.

DAVID W. MILLER, OF WHITNEY'S POINT, NEW YORK.

IMPROVEMENT IN RECLINING-CHAIRS.

Specification forming part of Letters Patent No. **219,289**, dated September 2, 1879; application filed March 15, 1879.

To all whom it may concern:

Be it known that I, DAVID W. MILLER, of Whitney's Point, in the county of Broome and State of New York, have invented certain new and useful Improvements in Reclining-Chairs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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, in which—

Figure 1 is a perspective of the chair in an upright position; Fig. 2, a plan view, with the seat and back cut away, showing the adjustable slides, notched frame, pawl, and lever; Fig. 3, a side elevation, showing the chair in a reclining position; and Fig. 4, a longitudinal section, showing notched frame, pawl and lever, and adjustable slides.

My invention has reference to convertible upright and reclining chairs; and it consists in the construction of parts, whereby the chair is adapted to operate as hereinafter particularly specified.

In the accompanying drawings, A indicates the back-frame, and A′ the front legs, of the chair, connected by rounds C D, the back-frame and legs curved, as shown; and B, the rear legs, and B′ the sides of the seat, also curved, as shown, and connected by rounds E F.

The two frames thus formed are connected together by a rod, G, in a manner that will permit of the two frames being folded.

The seat and back of the chair are formed by a piece of canvas or suitable fabric, H, the two ends of which are connected to the rounds E and D.

A frame, I, the two sides of which are notched or serrated on the top, near the rear of the frame, is hinged or pivoted by its forward ends to pins *a*, projecting from plates J, screwed, nailed, or otherwise secured to the inside of the front legs of the chair, the ends of the frame being held on the pins by nuts *c*, screwed thereon.

The two sides of the frame may rest in guides K, screwed or otherwise fastened to the inside of the back legs of the chair. The frame, being hinged or pivoted to the front legs of the chair, is free to be moved backward and forward with the legs as the back of the chair is elevated or lowered to make it a sitting or reclining chair, as the case may be.

A rod, L, provided near both ends with pawls M, rigidly secured thereto, and at one end with a lever, N, extends from one of the back legs to the other, and is secured to both in such a manner that it may be turned, the point of connection being preferably to the guides K, so that the pawls may engage with the notches in the frame I, although any other point of connection that will admit of the same operation will answer.

The lever N bears against or is connected to a coiled or other spring, O, fastened to the inside of the back legs. This spring keeps the pawls in contact with the notches in frame I. By pushing back the lever N the rod L is turned and the pawls freed from contact with the notched sides of frame, and the latter rendered free to be moved in the direction of the front of the chair when the chair is being converted into a reclining-chair, and as soon the desired inclination is obtained the lever is released, and the spring O forces the pawls into the notches, whereby the chair is held in the position to which it is adjusted.

If it be desired to elevate the chair-back from an inclined to an upright position, the back-frame of the chair is moved forward, which throws the front legs, and with them the frame I, backward, the pawls slipping from one notch to another, and holding the chair-back at the elevation which thus may be given to it.

P indicates the foot rest or stool, the legs Q of which are pivoted near the bottom to the bars R, and near the top to sectional hinged arms S, which are fastened to the bars R. By this construction the stool can be inclined backward, and will be prevented from being thrown forward out of a substantial upright position.

The bars R are connected to the bars T by means of clasps *d*, secured to the ends of bars R and encircling bars T, also by means of clasps *e*, which are secured to bars T and en-

circle bars R, and through which thumb-screws *f* are passed, so as to lock the one bar to the other.

The bars T are connected to the sides of frame I by means of clasps *g*, secured to ends of bars T, the latter being bent at their ends, as shown in Fig. 2, and free to be moved up and down the length of frame I, so as to accommodate the foot-rest to the chair in an upright or inclined position.

Thumb-screws may be passed through clasps *g*, so as to lock bars D to frame I.

Any further explanation of the chair than that given in describing the construction of the several parts is regarded as superfluous; and therefore,

Having fully described my invention, what I claim is—

1. The combination of the adjustable arms and legs of the chair, the frame I, serrated as described, and hinged to the front legs of the chair, the rod L, provided with pawls M and lever N, and the spring O, all constructed to operate as described.

2. The combination of frame I, serving as a guide for the foot-rest slide-bars and as a ratchet, foot-rest P, adjustable bars for connecting the same, and the adjustable arms and legs of the chair, substantially as set forth.

3. The combination of the adjustable arms and legs of the chair, the foot-rest, the sliding bars for adjusting the foot-rest, and thumb-screws for locking the bars, all substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

DAVID W. MILLER.

Witnesses:
F. L. DICKINSON,
C. D. PRATT.