

(No Model.)

2 Sheets—Sheet 1.

J. J. METTLER.
RECLINING CHAIR.

No. 327,298.

Patented Sept. 29, 1885.

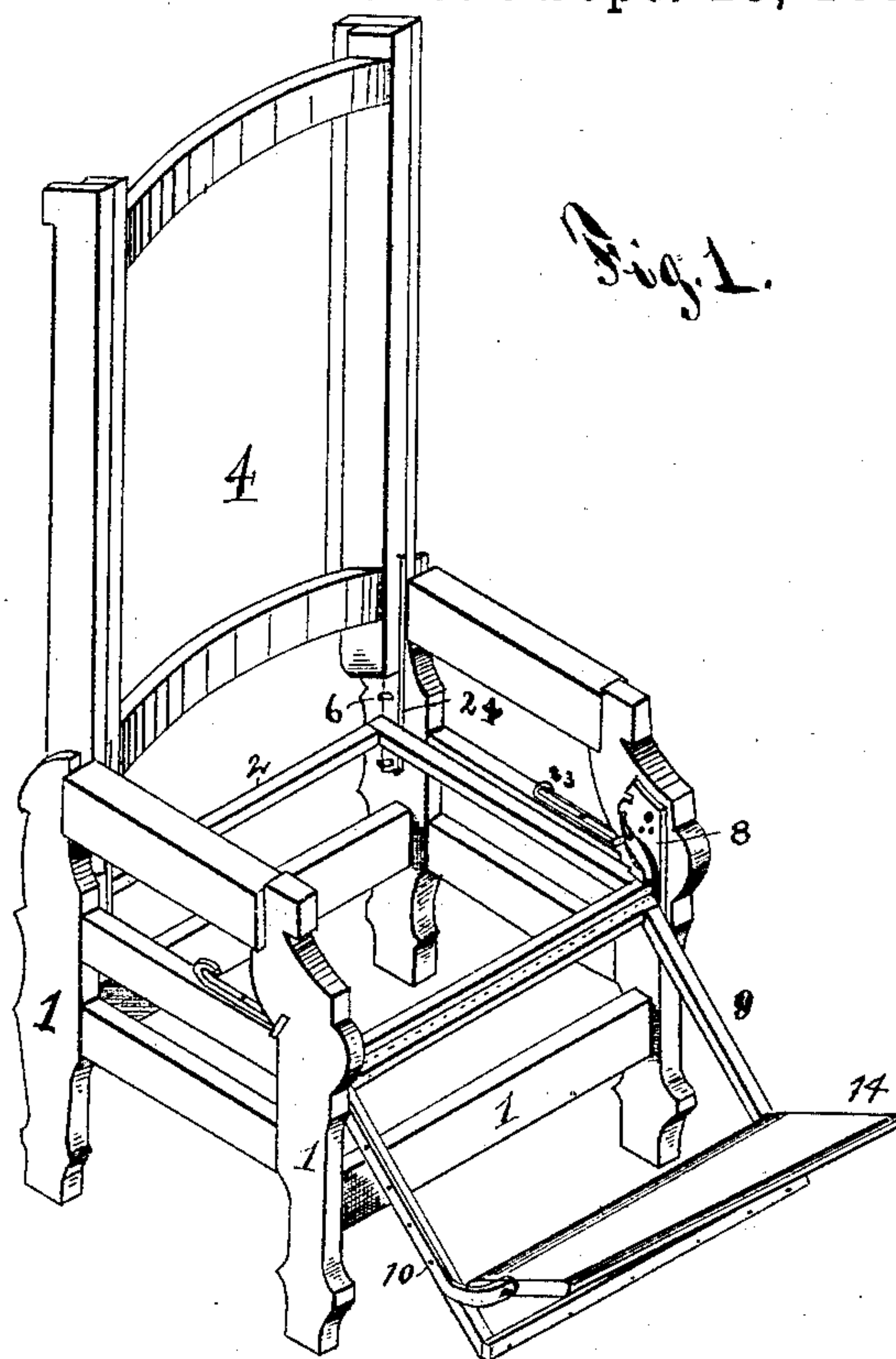


Fig. 2.

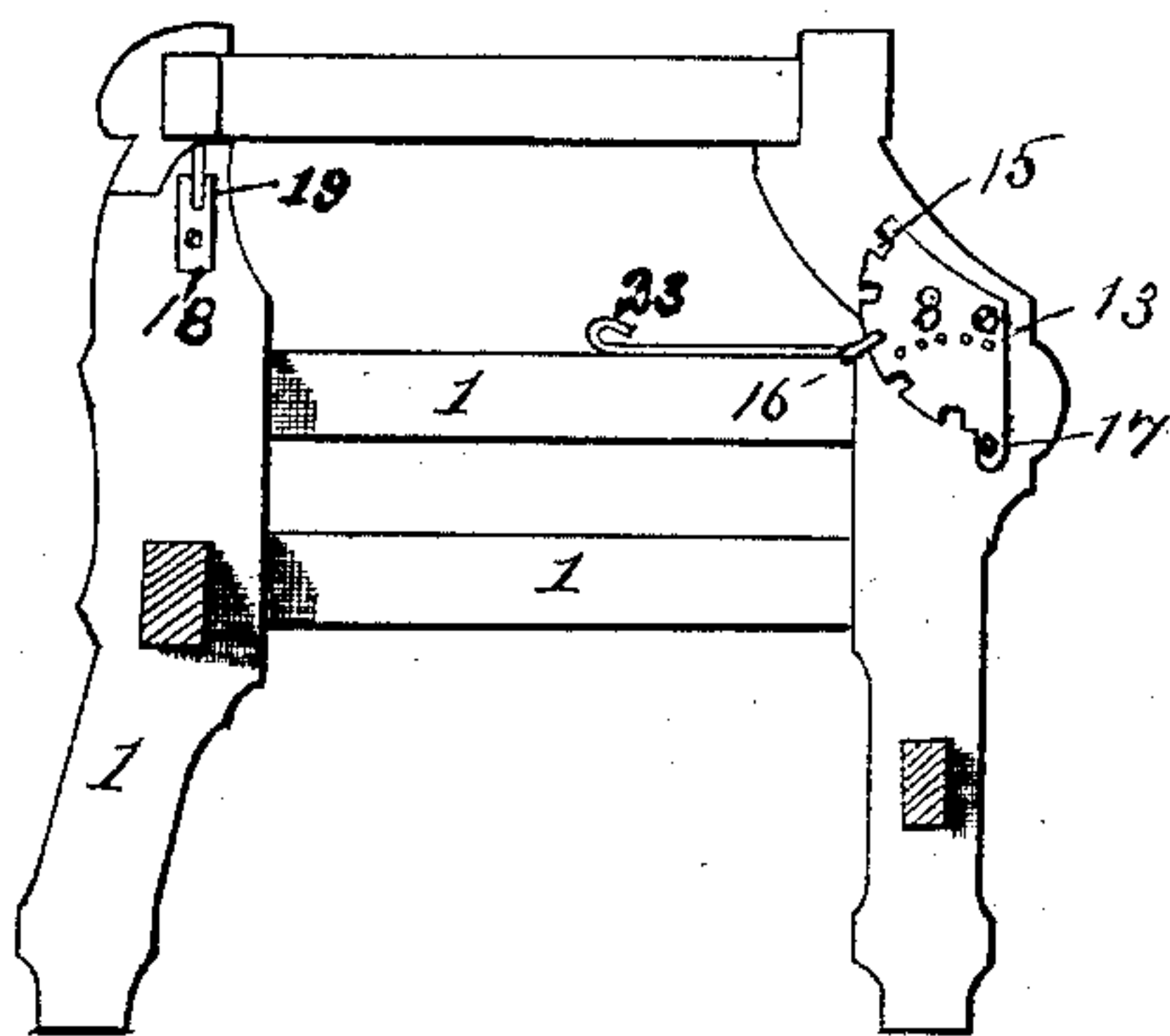
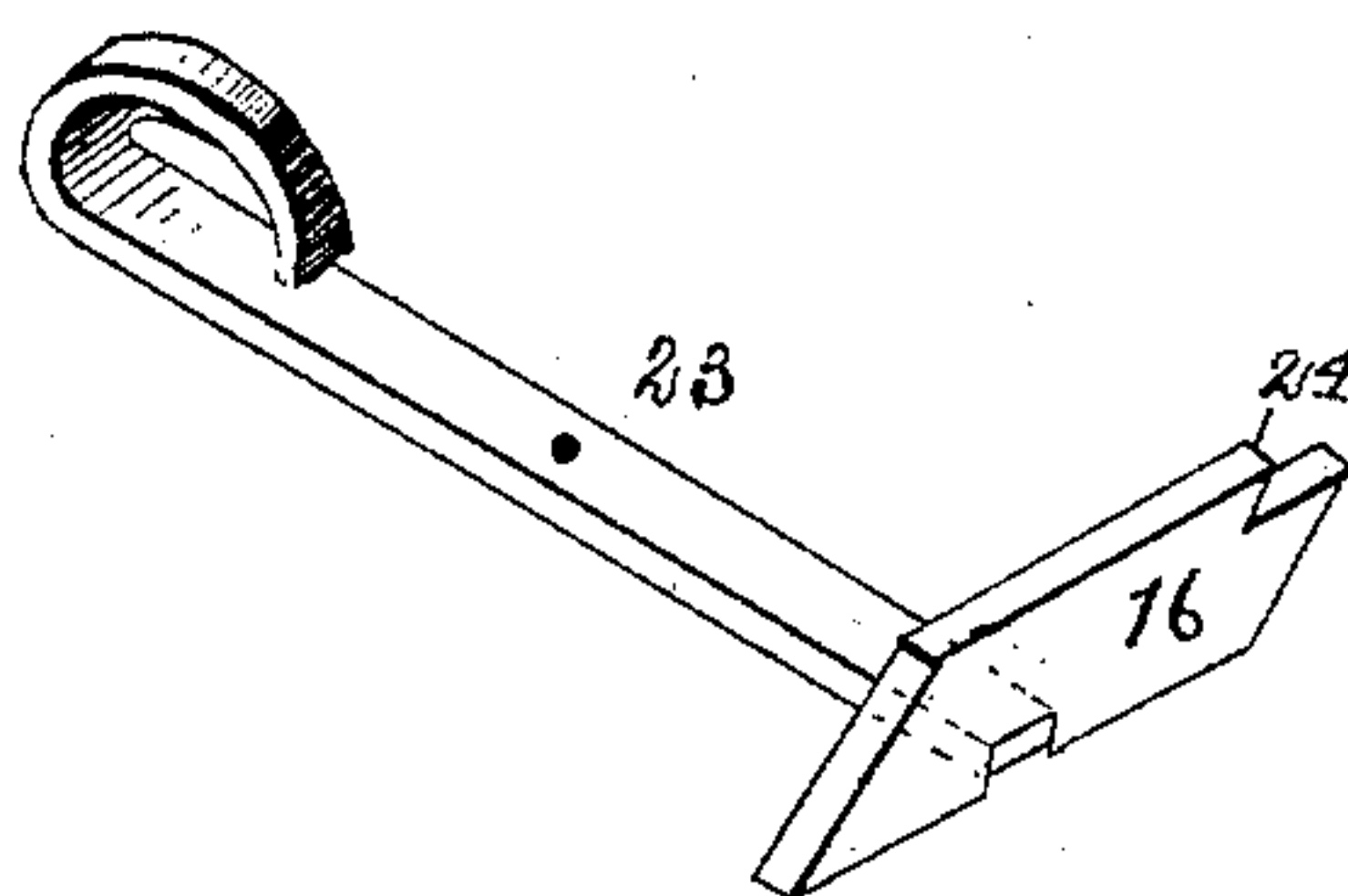


Fig. 3.



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2 Sheets—Sheet 2.

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Fig. 4.

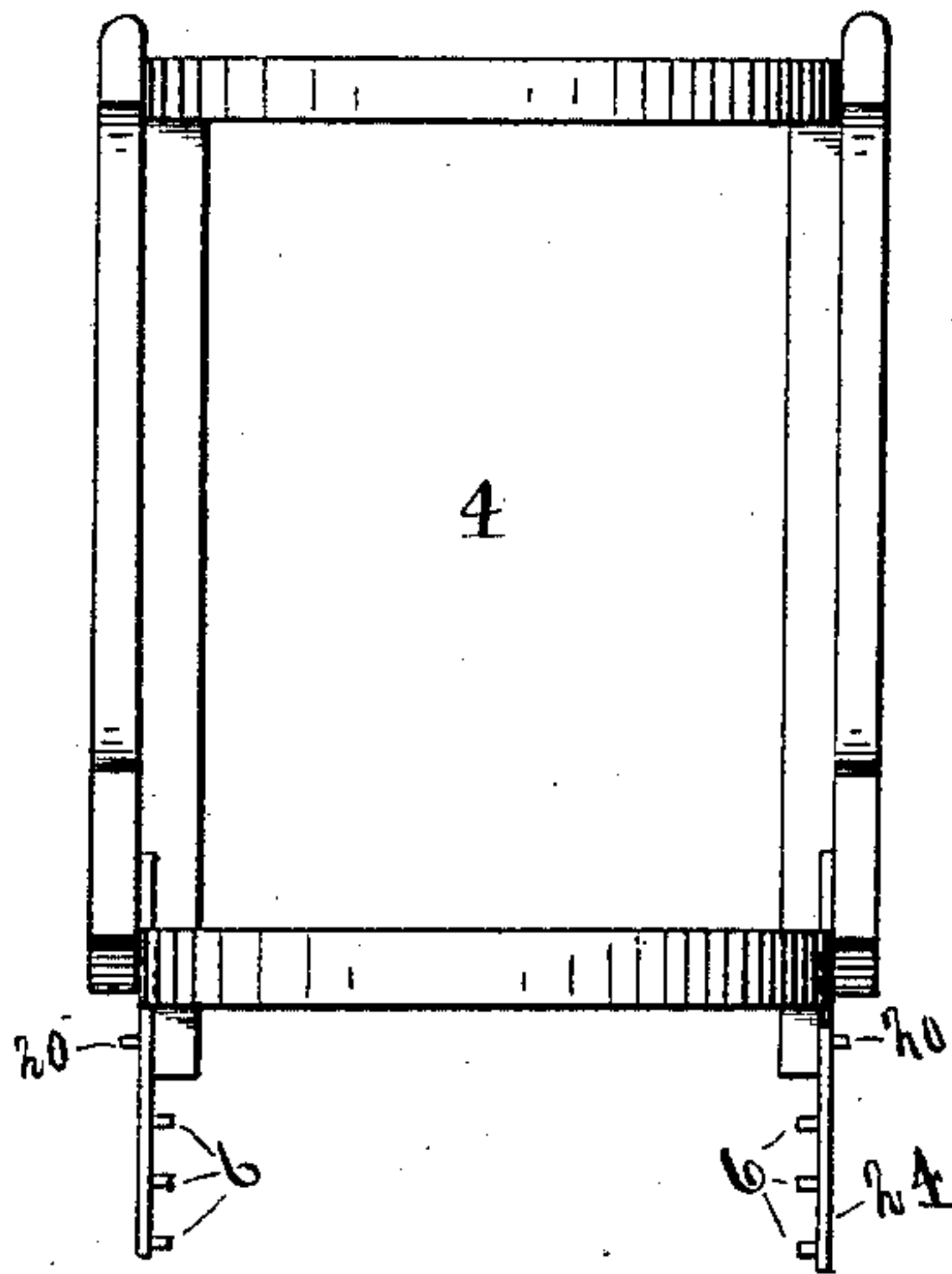


Fig. 5.

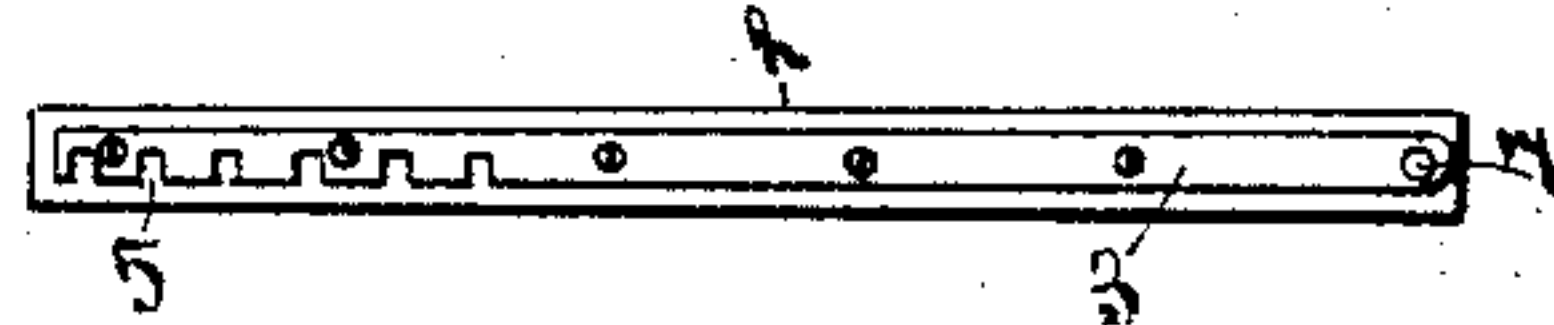


Fig. 6.

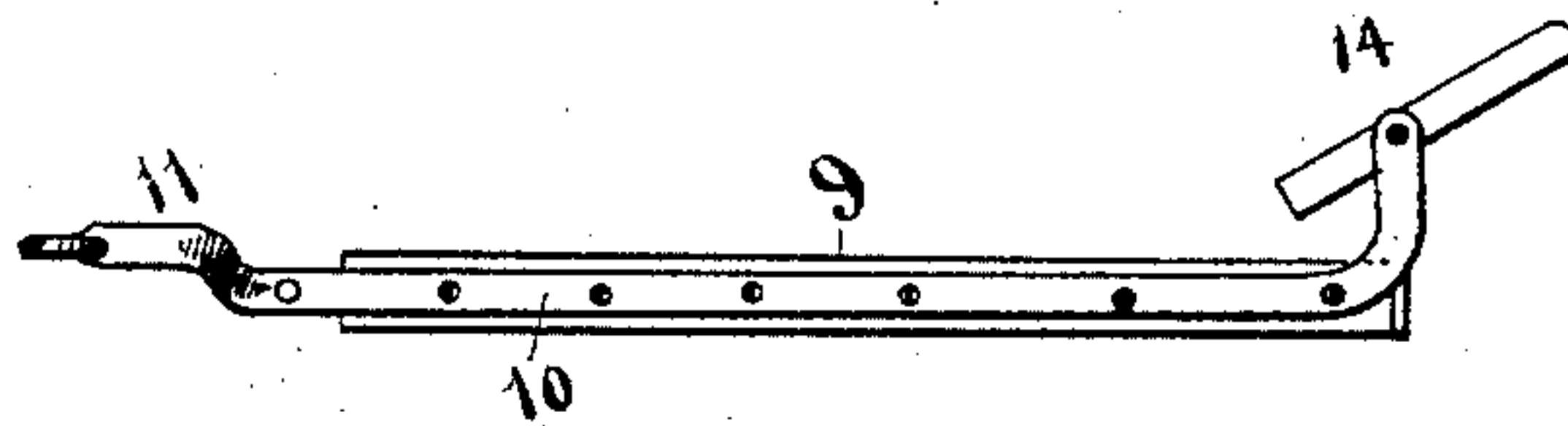


Fig. 8.

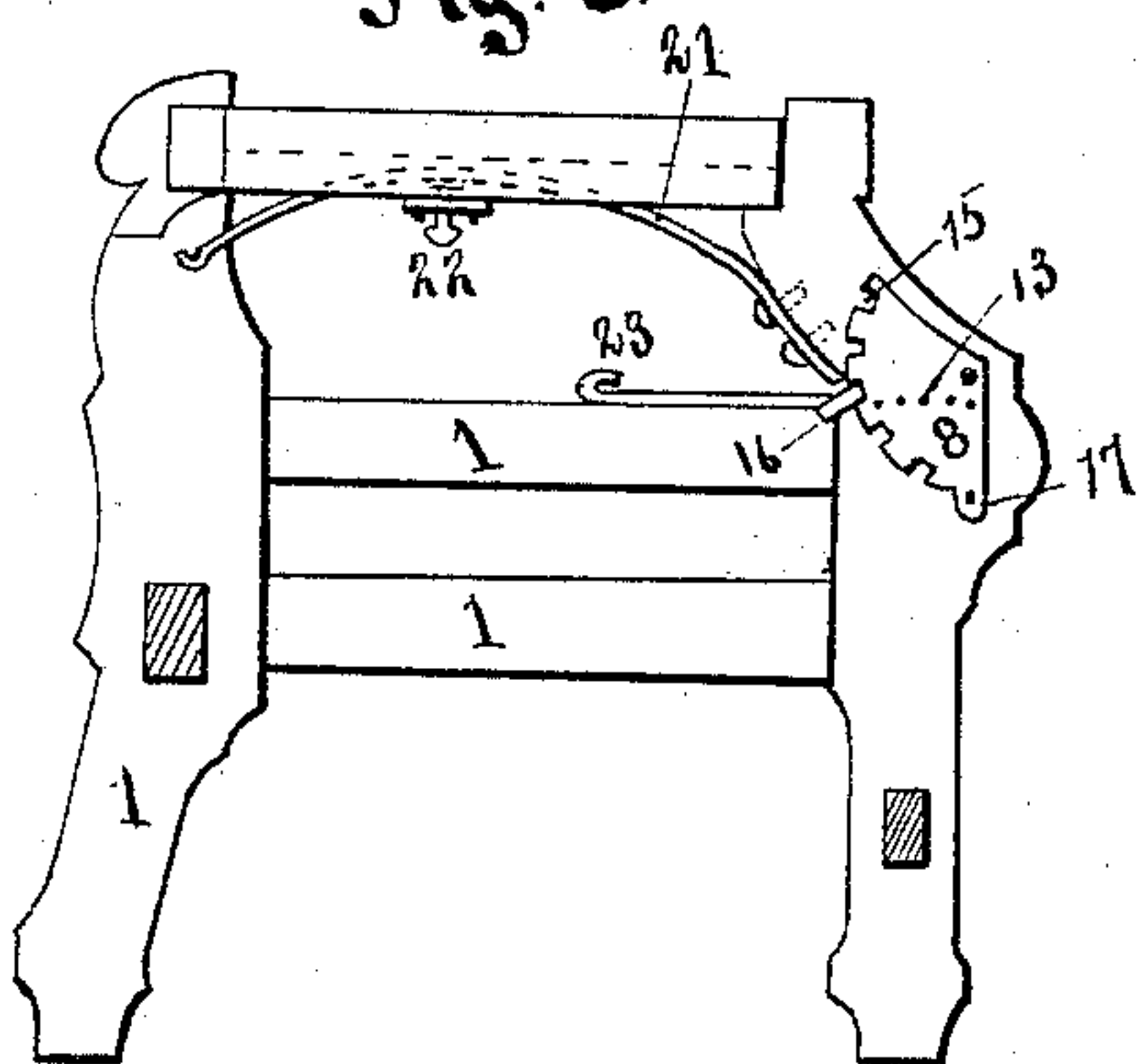


Fig. 7.

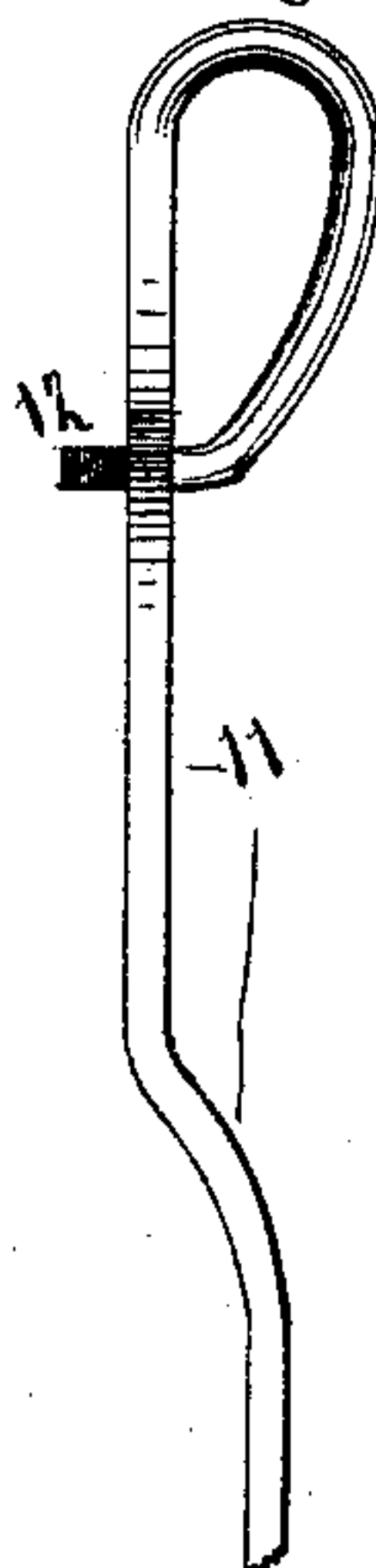
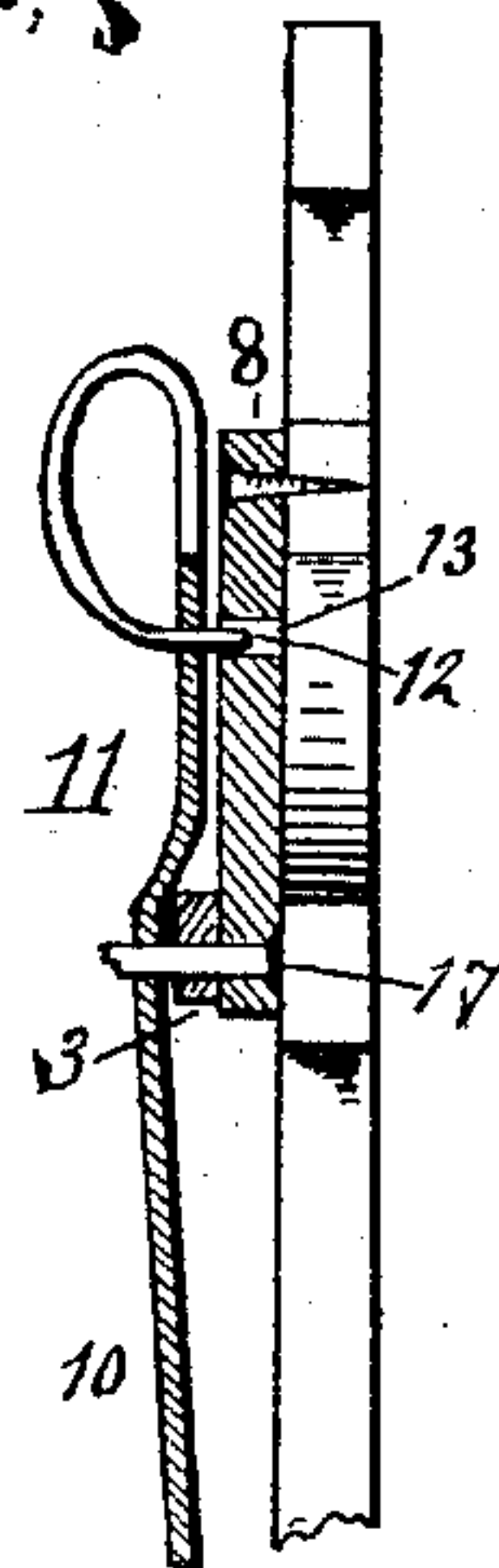


Fig. 9.



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UNITED STATES PATENT OFFICE.

JOHN J. METTLER, OF CLEVELAND, OHIO.

RECLINING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 327,298, dated September 29, 1885.

Application filed June 20, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. METTLER, a citizen of the United States of America, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Reclining-Chairs, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention has relation to reclining and rocking chairs; and it consists in the novel construction and arrangement of its parts.

In the accompanying drawings, Figure 1 is a perspective of my chair. Fig. 2 is a side view of one of the sides of same. Fig. 3 is a perspective view of the catch and lever. Fig. 4 is a rear plan view of the adjustable back. Fig. 5 is a side view of the seat and notched bar. Fig. 6 is a side view of the foot and leg rests and spring-bar. Fig. 7 is a side view of the spring and pin by which the leg and foot rests are adjusted. Fig. 8 is a side view of one of the sides, showing the arrangement of the spring 21. Fig. 9 is a sectional view of the swinging plate 8, seat-bar 3, leg-rest bar 10, and front leg of chair.

My invention is described as follows:

The frame of my chair is made either plain or fancy, to suit. On both of the sides of the seat 2, I securely fasten an iron bar, 3. Along the bottom edge and near the rear end of said bar I cut out any number of notches, 5, for the pins 6 of the adjustable back to work in and support the rear of said seat. The bars 3 are also provided at their front end with openings 7, by means of which they are pivoted to the swinging plates 8, which support the front end of the said seat. On both sides of the leg-rest 9, I securely fasten spring-bars 10, for the purpose of adjusting said leg-rest. The upper ends of the said bars 10 terminate in springs 11, the end of which is turned back and passes through the said bar, forming a pin, 12, on the outer face of said bar. The said pin is beveled on the rear side, that it may not catch on the front edge of the swinging plate 8, but readily pass by it and snap into one of the perforations, 13, in the surface of said plate. The lower end of the bar 10 is turned up and perforated for the purpose of holding the foot-rest 14, which swings on a pivot fitting in the said perforations.

The swinging plates 8 are pivoted, one on the inside of each of the two front legs of the frame 1. These swinging plates 8 form nearly a quarter of a circle each, and have notches 15 cut in their circumference for the catch 16 to slip in, and by this means hold the back of the chair in any position the occupant may place it. The said plate also has a line of perforations, 13, in its surface, for the purpose of adjusting the leg-rest and foot-rest 9 and 14. On the lower corner of the swinging plate 8 is a projection, 17, to which is pivoted the seat 2 and leg-rest 9.

The catch 16 is operated by the lever 23, which is pivoted to the upper side of the frame 1, said pivot acting as a fulcrum, so that when outward pressure is applied to the rear end of the said lever it will cause the catch to slip into one of the notches 15. The catch 16 has a shoulder, 24, at its inner upper corner to prevent it passing too far inward and interfering with the proper working of the seat 2.

On the inside of each of the two hind legs of the frame 1, I countersink an iron plate, 18, into the top of which I cut a slot, 19, said slot to receive the pin 20 on the outside of the back 4. I also provide for using a bearing-spring, 21, the same being fastened at the front end to the front leg of the chair and passing rearward over a screw-adjustment, 22, which is fastened under the arms of the frame, and terminating in a cup corresponding in position to the slot 19. By means of the spring the back is given an easy and springy motion.

Into the frame of the back 4, I set two bars, 24, one on each side. These bars 24 are provided on their inside face with any number of pins, 6, for the adjustment of the back 4 to the seat 2, and on their outside face with one pin, 20, which fits into the slot 19 or into the cup of the spring 21, thereby acting as a pivot for the back 4 to swing on, and by this means the said back can be inclined to any position from a horizontal to a perpendicular.

It will be seen that I provide for swinging the back in the cup on the end of the spring 21; but for a cheaper and more simple chair I will use the plate 18, having the slot 19.

The chair is operated as follows: The occupant inclines the back to the desired position, then locks it by means of the lever and catch.

The foot and leg rests may be placed in position by elevating the leg-rest to the angle desired. The pin 12 will then snap into one of the perforations 13.

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

1. In a reclining and rocking chair, as above described, the combination of the front
10 legs provided with springs 21, having loops on their rear ends, the arm-rests provided with grooves and set-screws, and the back having bearing-pins 20, resting in the loops of said springs, substantially as set forth.

15 2. In a reclining and rocking chair, as above described, the combination of the front legs having swinging plates 8, provided with holes 13, the leg-rest 9, having curved ends and bars 10, the foot-rest 14, said bars 10 hav-
20 ing spring end 11, curved and passing through said spring portion and terminating in a bevel-headed pin, 12, fitting into holes 13 of plates 8, as and for the purposes set forth.

25 3. In a reclining and rocking chair, as above described, the combination of the front legs having swinging plates 8, provided with

notches 15, the side bars of said chair having pivoted levers 23, having sliding catches 16, registering in said notches, substantially as described.

4. In a reclining and rocking chair, as above described, the combination of the ad-
justable back 4, having side bars, 24, and pins 6, bearing-springs 21, the seat having notched
bars 3, and pivoted to the swinging plate 8, 35 and the front legs having the said swinging plates, substantially as shown and described.

5. In a reclining and rocking chair, as above described, the combination of the leg-
rest bars 10 with pivoted swinging plate 8, 40 pivoted to the front legs, and seat-bars 3, their front ends pivoted to the said swinging plate 8 and their rear ends resting on the bearing-
pins 6 of bars 24, substantially as shown and described.

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

JOHN J. METTLER.

Witnesses:

H. A. BOEST,
C. F. BOEST.