

(No Model.)

2 Sheets—Sheet 1.

J. P. MILLER.  
SOFA AND BED LOUNGE.

No. 361,639.

Patented Apr. 19, 1887.

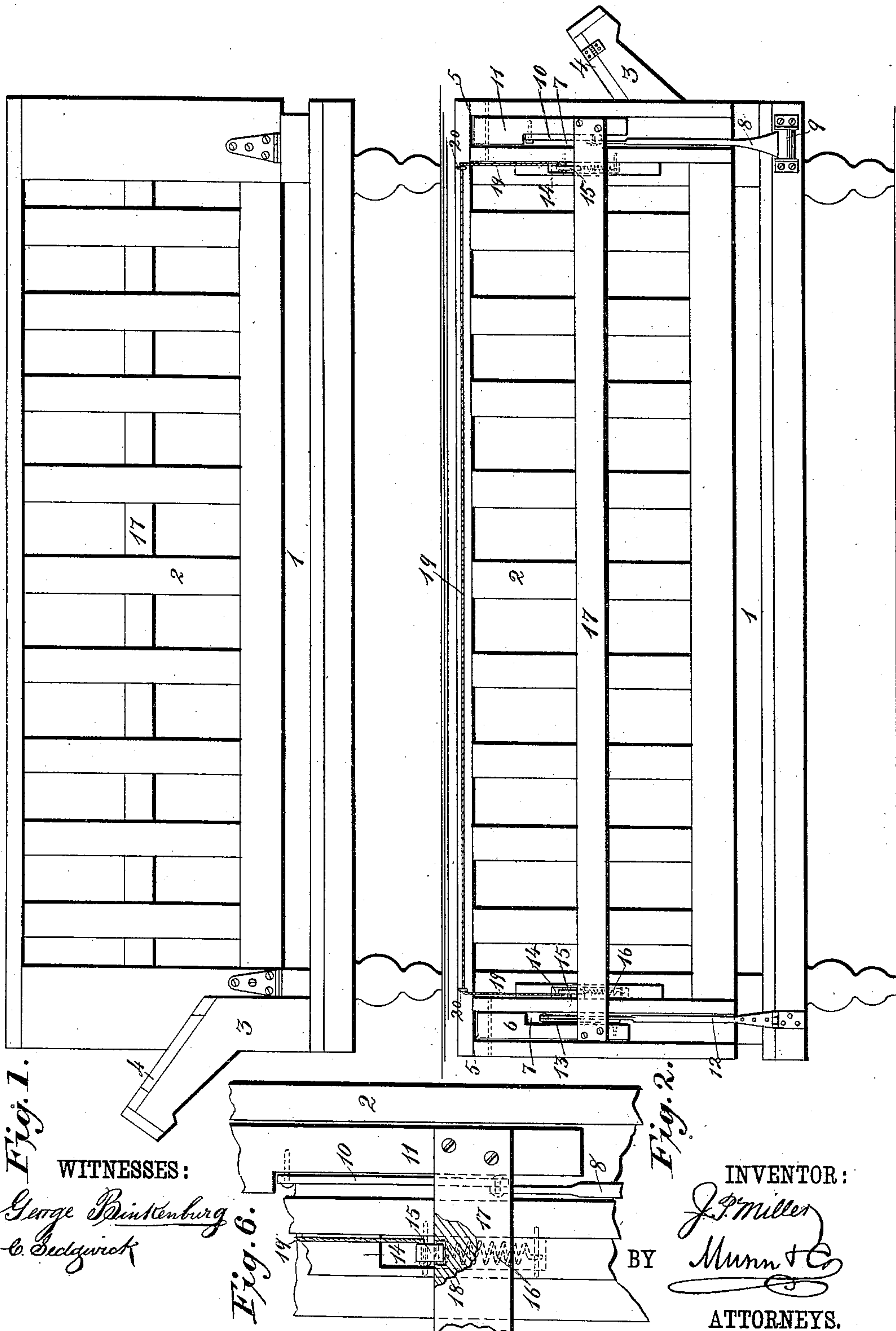


Fig. 1.

WITNESSES:

*George Brintonburg*  
*C. Sedgwick*

Fig. 6.

Fig. 2.

INVENTOR:

*J. P. Miller*  
*Munn & Co.*

BY

ATTORNEYS.

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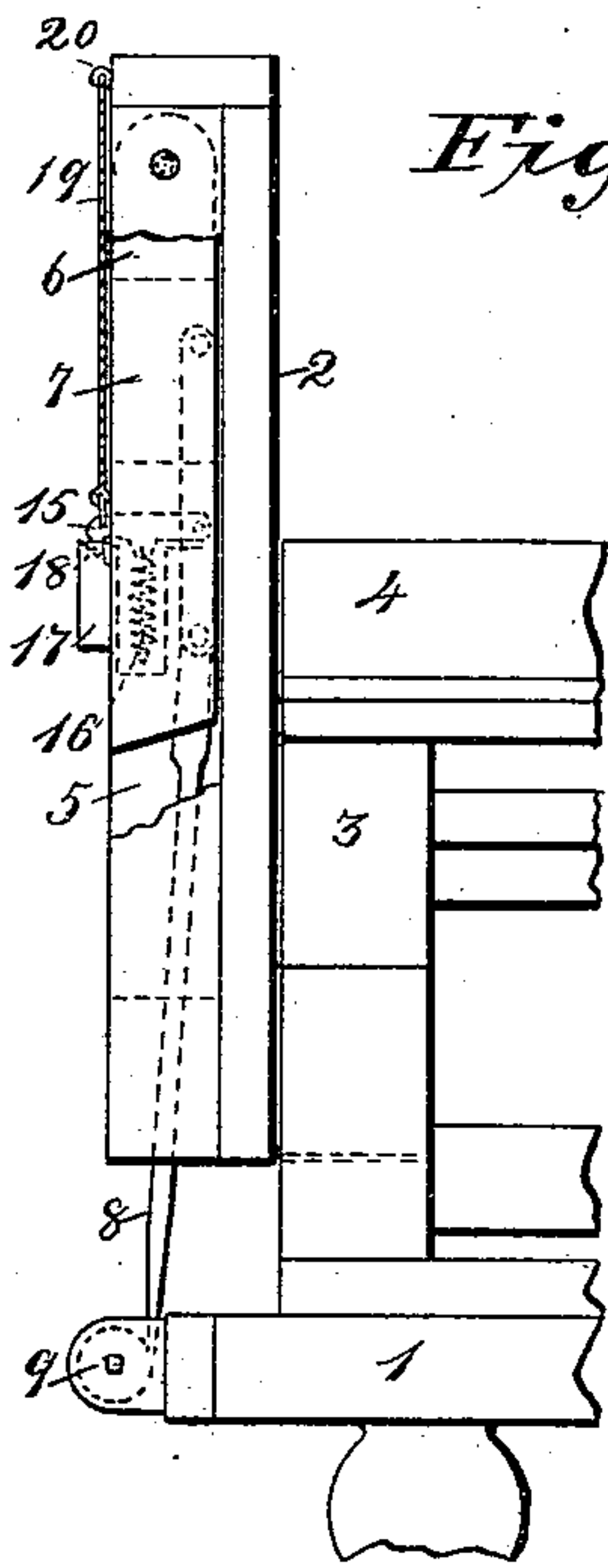


Fig. 3.

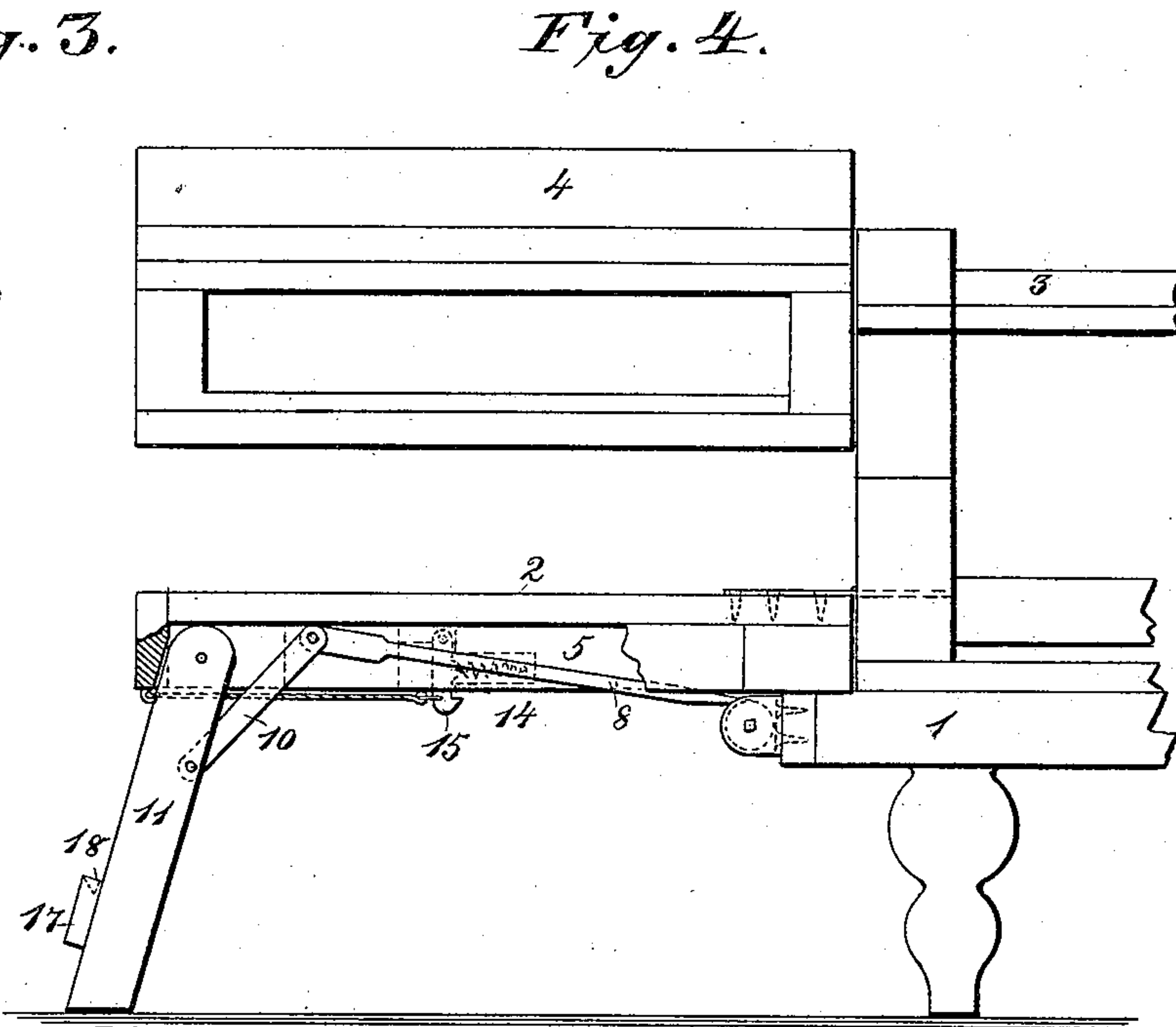


Fig. 4.

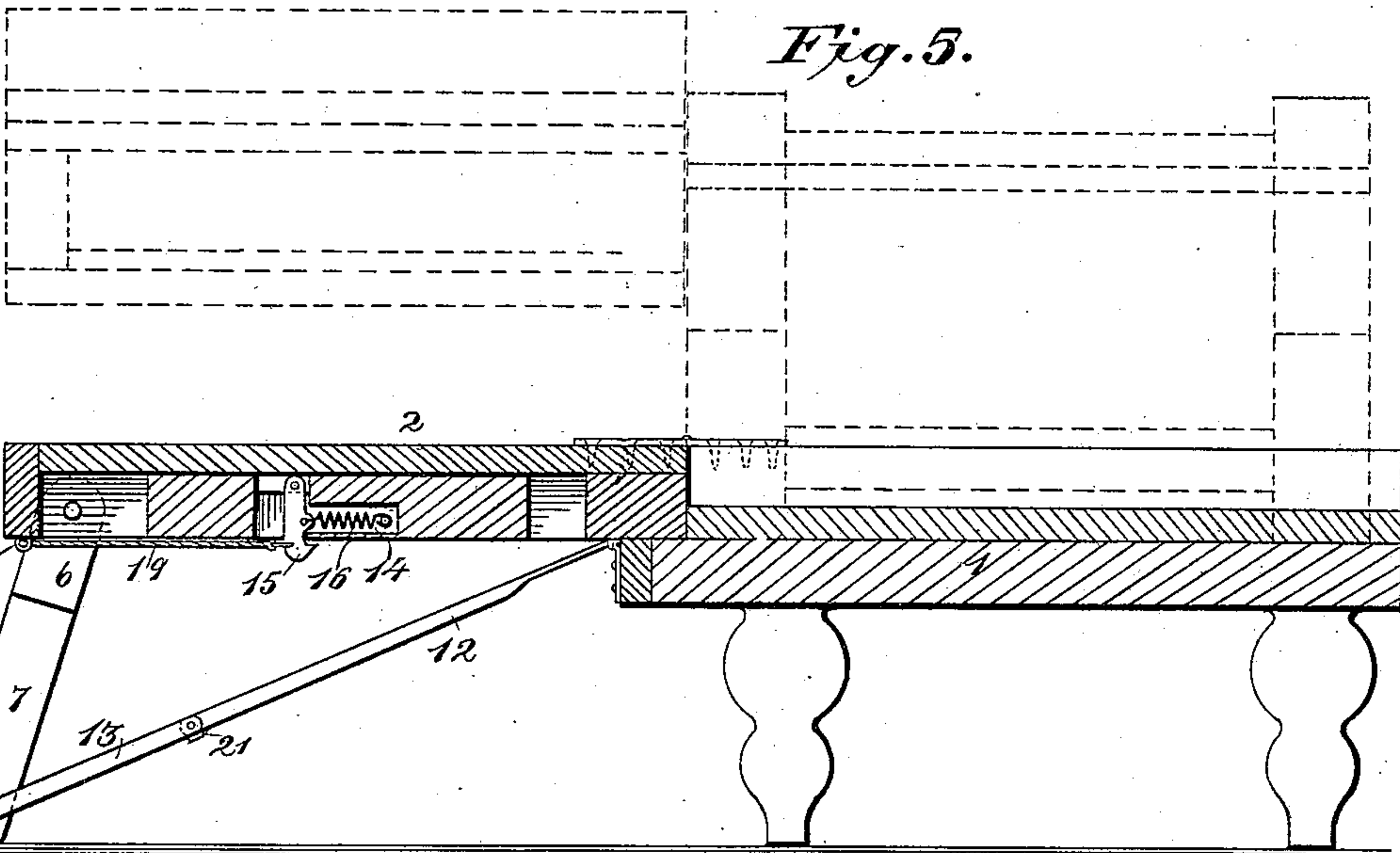


Fig. 5.

WITNESSES:

George Binkenburg  
C. Sedgwick

INVENTOR:

J. P. Miller  
BY Munn & Co.  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

JAMES PRESCOTT MILLER, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF TWO-THIRDS TO WILLIAM H. GUILD AND JAMES H. PEACOCK, BOTH OF SAME PLACE.

## SOFA AND BED LOUNGE.

SPECIFICATION forming part of Letters Patent No. 361,639, dated April 19, 1887.

Application filed October 26, 1886. Serial No. 217,231. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES PRESCOTT MILLER, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and Improved Sofa and Bed Lounge, of which the following is a full, clear, and exact description.

My invention relates to an improvement in sofa and bed lounges, and has for its object to so improve the operation of such lounges as that substantially no exertion will be required to convert the lounge from a sofa to a bed, and vice versa.

The invention consists in the construction and combination of the several parts, as will be hereinafter fully described, and pointed out in the claims.

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

Figure 1 is a front elevation of my sofa and bed lounge, and Fig. 2 is a rear elevation thereof. Fig. 3 is a partial end view as a sofa, and Fig. 4 is a view of the same end when in position as a bed. Fig. 5 is a horizontal section through the end opposite to Fig. 4, also in position as a bed, and Fig. 6 is a detail view of the latch attachment.

In the construction of my sofa and bed lounge the frame, which may be built in the ordinary manner, consists of the seat 1, to which the back 2 is hinged upon the inside, as shown in Fig. 1, and the head 3, which is usually made with a hinged top section, 4, adapted to fold parallel with the head proper when the lounge is used as a bed.

In the rear of the back 2, at each end, a transverse recess, 5, is formed, which may extend from a point near the top to the bottom thereof. In the upper portion of the said recess 5 legs 6 and 11 are pivoted in any suitable manner, having their inner edges cut away to form a rabbet, 7. To one extremity of the back of the seat-frame I secure a spring, 8, provided at its attached end with a coil, 9, either exposed or incased, as shown in Figs. 2 and 4, the other end of which is flattened and made to extend upward a distance within the trans-

verse recess 5, and is there pivoted to a connecting-bar, 10, the other end of which connecting-bar is pivoted at the top of the inner rabbeted edge of the leg 11, as illustrated in Figs. 2 and 6.

At the opposite end of the frame wherein the pivoted leg 6 is located, and also to the back of the seat-frame 1, the hinged end of a brace-rod, 12, is secured, the opposite end of which is pivoted to a connecting-bar, 13, which bar is in turn pivoted to the inner rabbeted edge of the said leg 6, near the bottom thereof, in such manner as that when the sofa and bed lounge is closed the said connecting-bar 13, the upper end of the hinged rod 12, and the inner edge of the said leg 6 will occupy parallel vertical positions, as shown in Fig. 2.

A short recess, 14, is made in each end of the back-frame 2, at the rear, to the inside of the aforesaid transverse recess 5 and about centrally the width of said back. Within each of these recesses 14 a latch, 15, is pivoted, adapted to extend out therefrom, and apertured centrally at the bottom to receive one end of a spring, 16, secured in said recess, as shown in Figs. 3, 4, and 5.

A bar, 17, extends centrally and longitudinally the rear of the back-frame 2, and is fastened securely at the ends to the pivoted legs 6 and 11, and within the inner edges of the said longitudinal bar 17, opposite the pivoted latches 15 in the recesses 14, are provided V-shaped slots 18, as shown in Figs. 4 and 5, adapted to be engaged by said hooks to hold the legs within the recesses 5.

To conveniently change the position of the back from the vertical to the horizontal, I provide a cord or chain, 19, which, connected at its ends with the upper edge of the extended portion of the latches 15, is carried along the upper edge of the back at the rear within easy reach, being retained in position to slide readily by staples 20, or other equivalent device.

When it is desired to convert the lounge from a sofa to a bed, the cord 19 is drawn up, which instantly disengages the latches 15 from connection with the longitudinal bar 17. The back is then lowered into a horizontal posi-



tion. In lowering the back the legs will be thrown out of the recess in the rear of the back into the position shown in Fig. 4, in which position they may be firmly held by springing down the connecting-bar 13 into line with the hinge-bar 12 and into engagement with the stop 21 thereon. By throwing the bar 13 out of engagement with the stop 21 and out of line with said bar the spring-coil 9 will return the back to its normal position and at the same time the legs will be folded into the recesses in the back.

I am aware that the back of a lounge or sofa has been hinged to the rear side of the seat, so that it may be swung either into a horizontal or vertical position, and provided with devices for supporting it in a horizontal position and locking it in a vertical position, and I therefore do not claim such invention.

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

1. In a bed-lounge, the combination, with a seat, of a back hinged thereto, legs hinged to the back, and a spring secured to the seat and connected to the legs, substantially as described, whereby provision is made for holding the back in a vertical position and for ex-

tending the legs when the back is lowered into a horizontal position, as set forth.

2. In a bed-lounge, the combination, with a seat, of a hinged back, legs hinged to the back, a spring secured to the seat and provided with an arm engaging the back, and a connecting-bar pivoted to the arm of the spring and to one of the legs, substantially as herein shown and described.

3. In a bed-lounge, the combination, with the seat and a hinged back having recesses in its rear side, of legs pivoted in said recesses, a spring secured to the seat and provided with an upwardly-extending arm, a bar pivoted to said arm and to one of the legs, and a brace for holding the legs extended, substantially as herein shown and described.

4. In a bed-lounge, the combination, with the seat and a hinged back having recesses in its rear side, of legs pivoted in said recesses, a bar connecting the legs, a spring secured to the seat and connected to one of the legs, and a catch for engaging the bar connecting the legs, substantially as herein shown and described.

JAMES PRESCOTT MILLER.

Witnesses:

J. W. WELLMAN,  
J. H. ESKILDER.