

(No Model.)

A. G. PHILLIPS.

HEAD AND BACK FOR LOUNGES.

No. 390,703.

Patented Oct. 9, 1888.

Fig. 1.

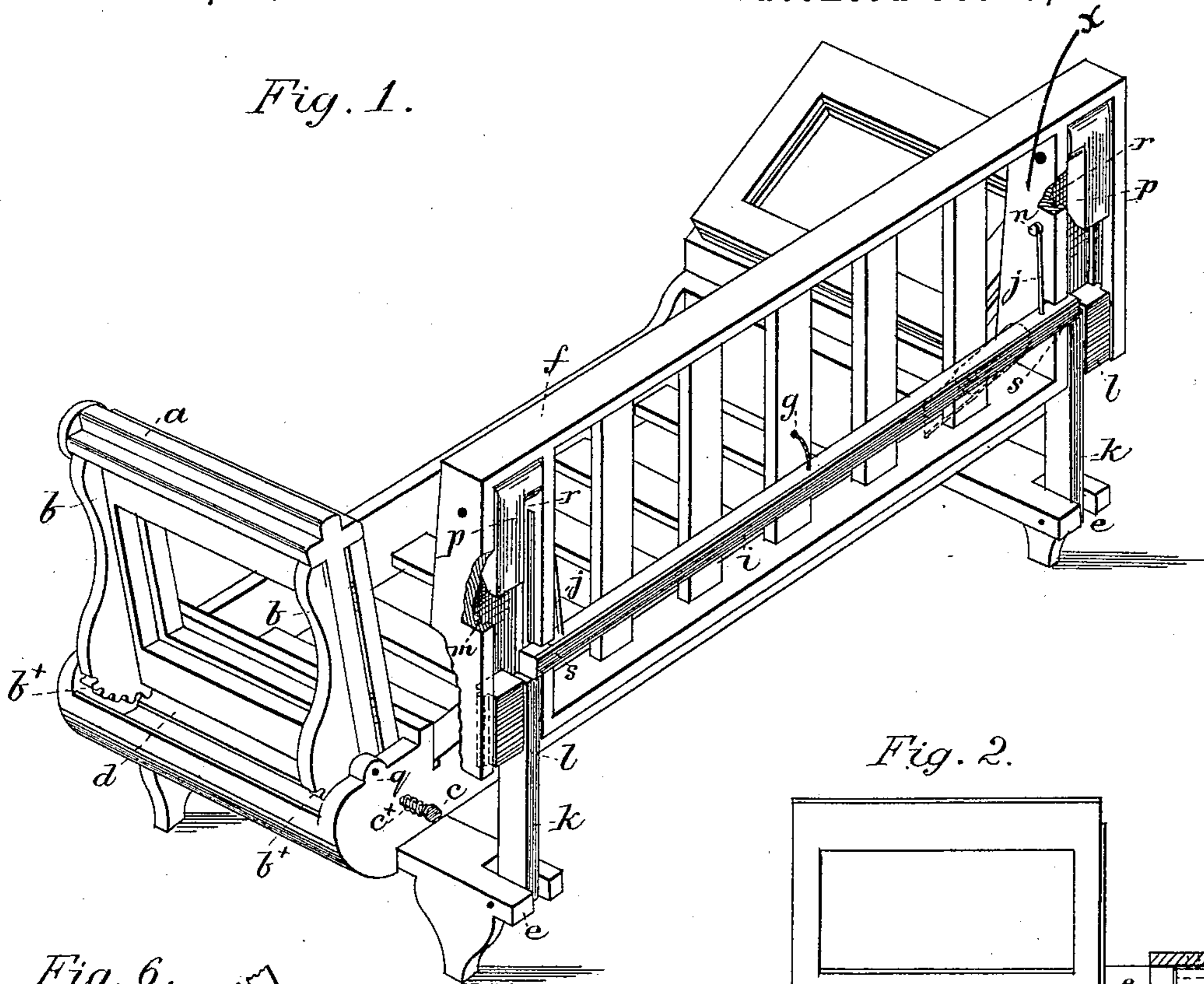


Fig. 2.

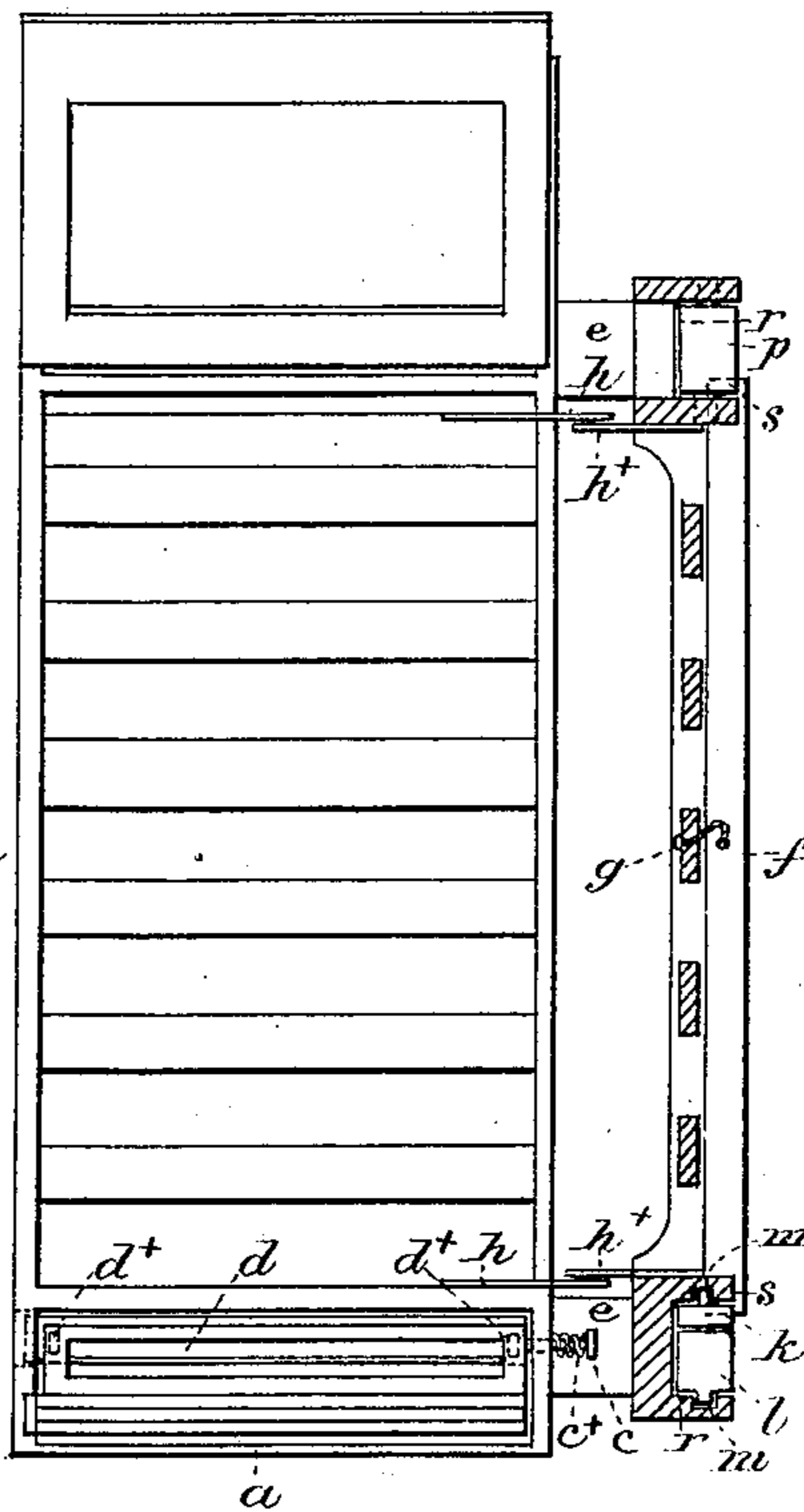


Fig. 6.

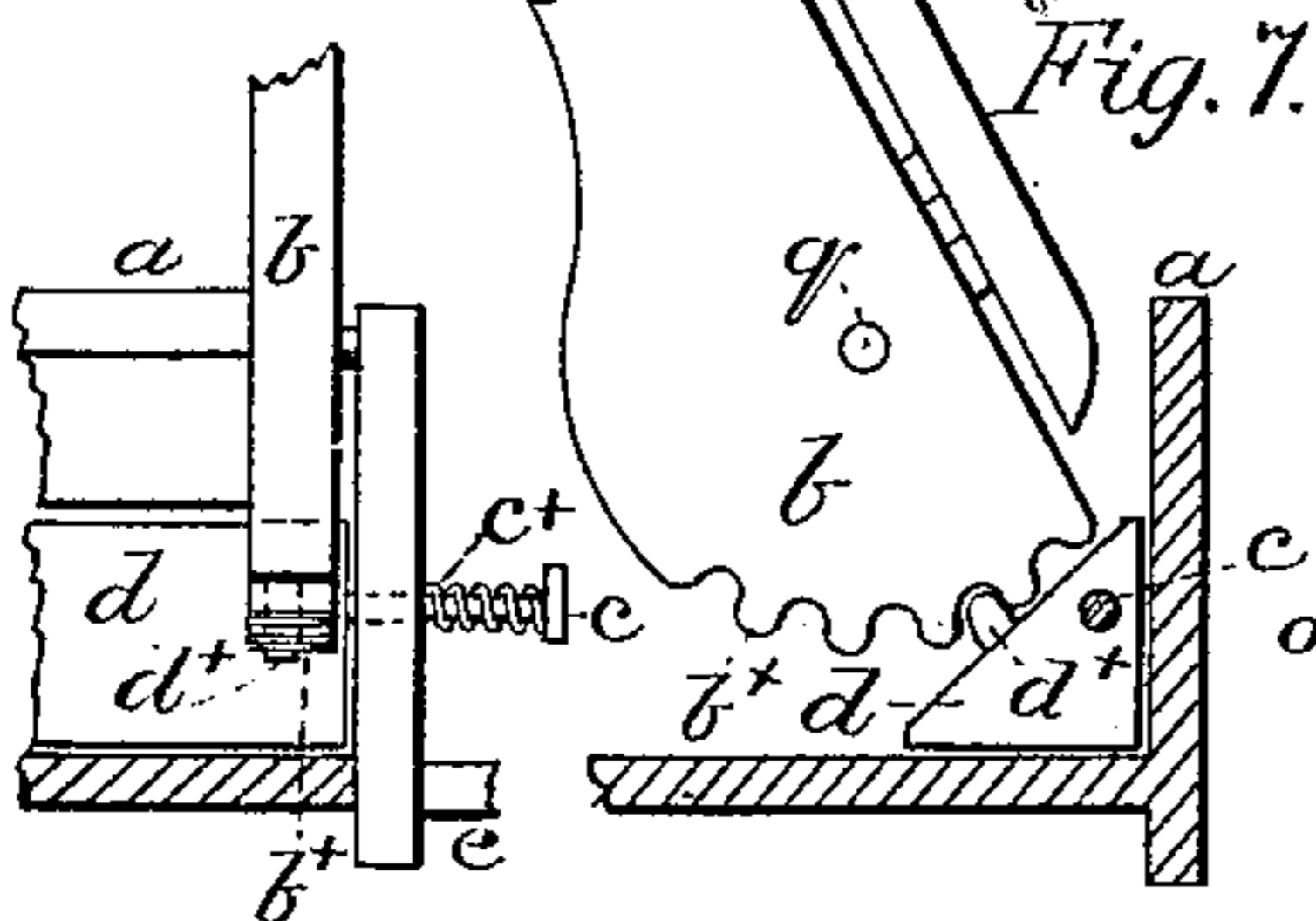


Fig. 7.

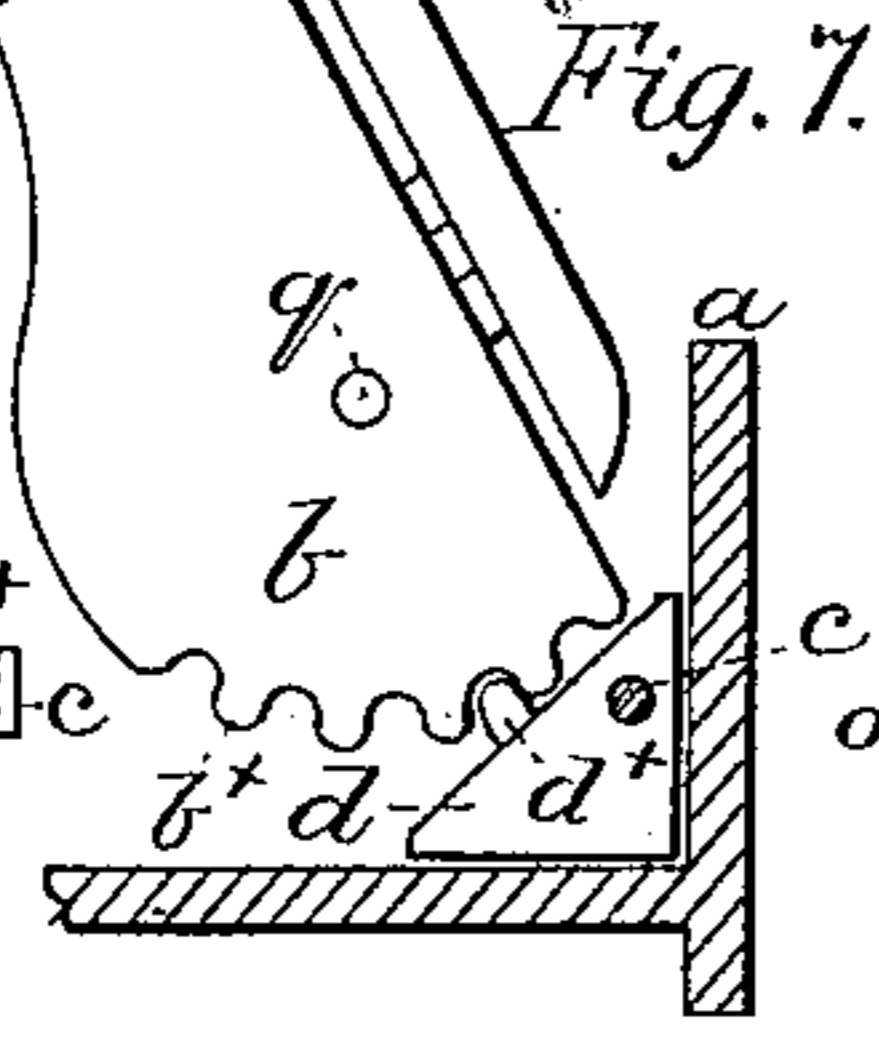


Fig. 8.

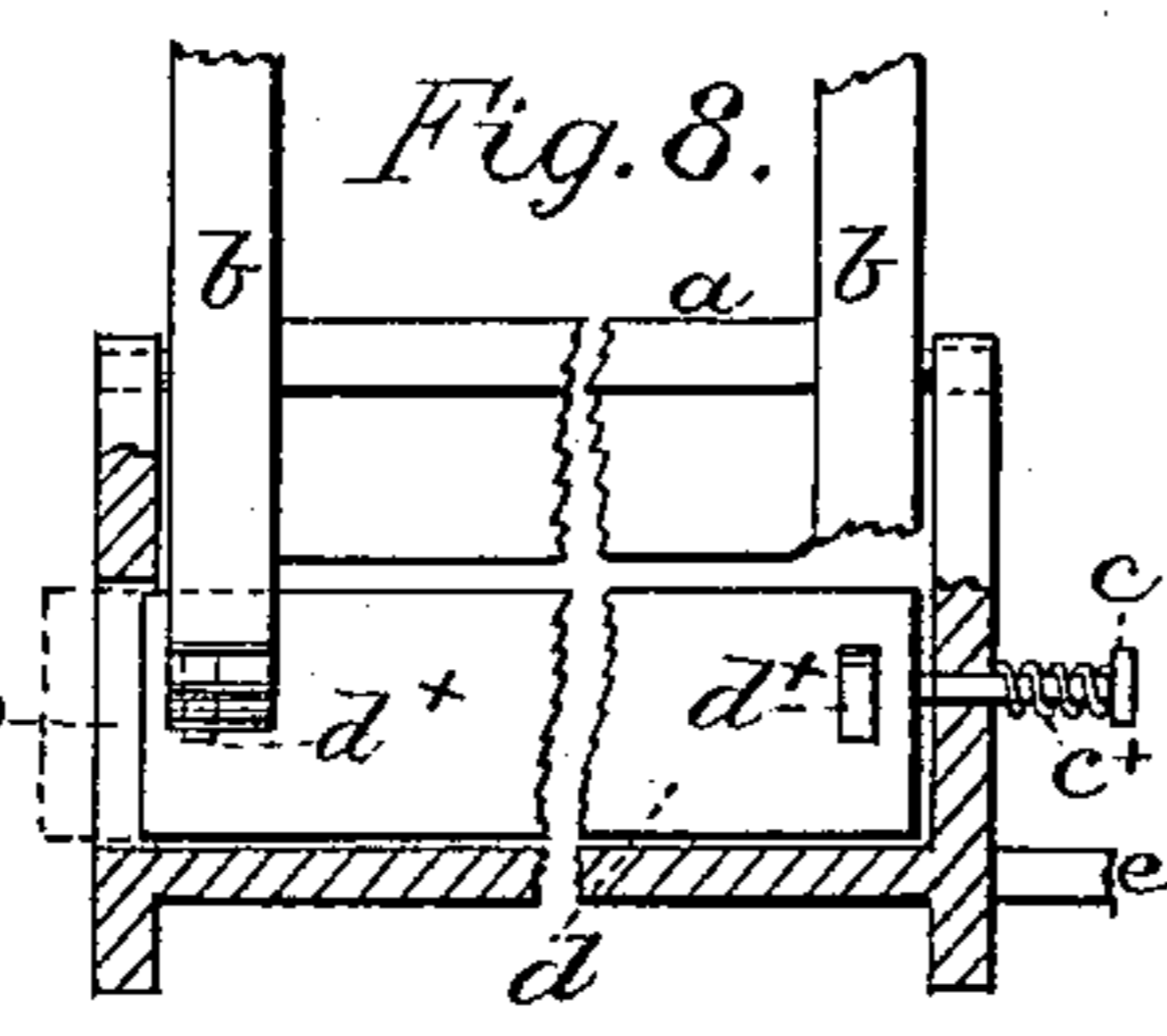


Fig. 3.

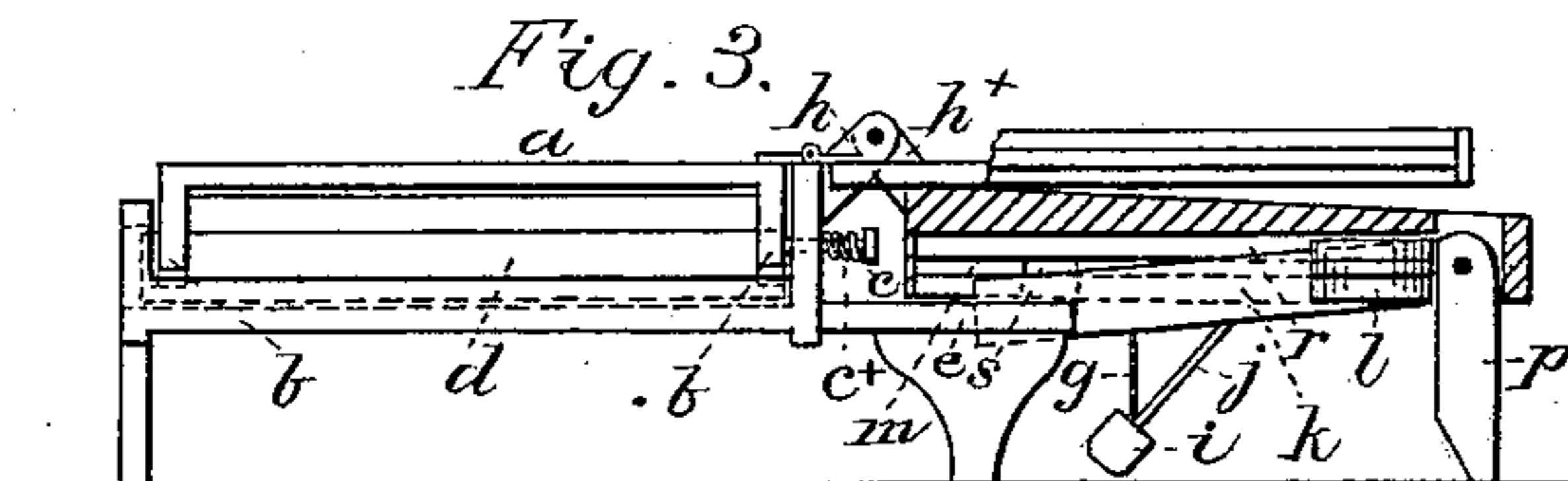


Fig. 4.

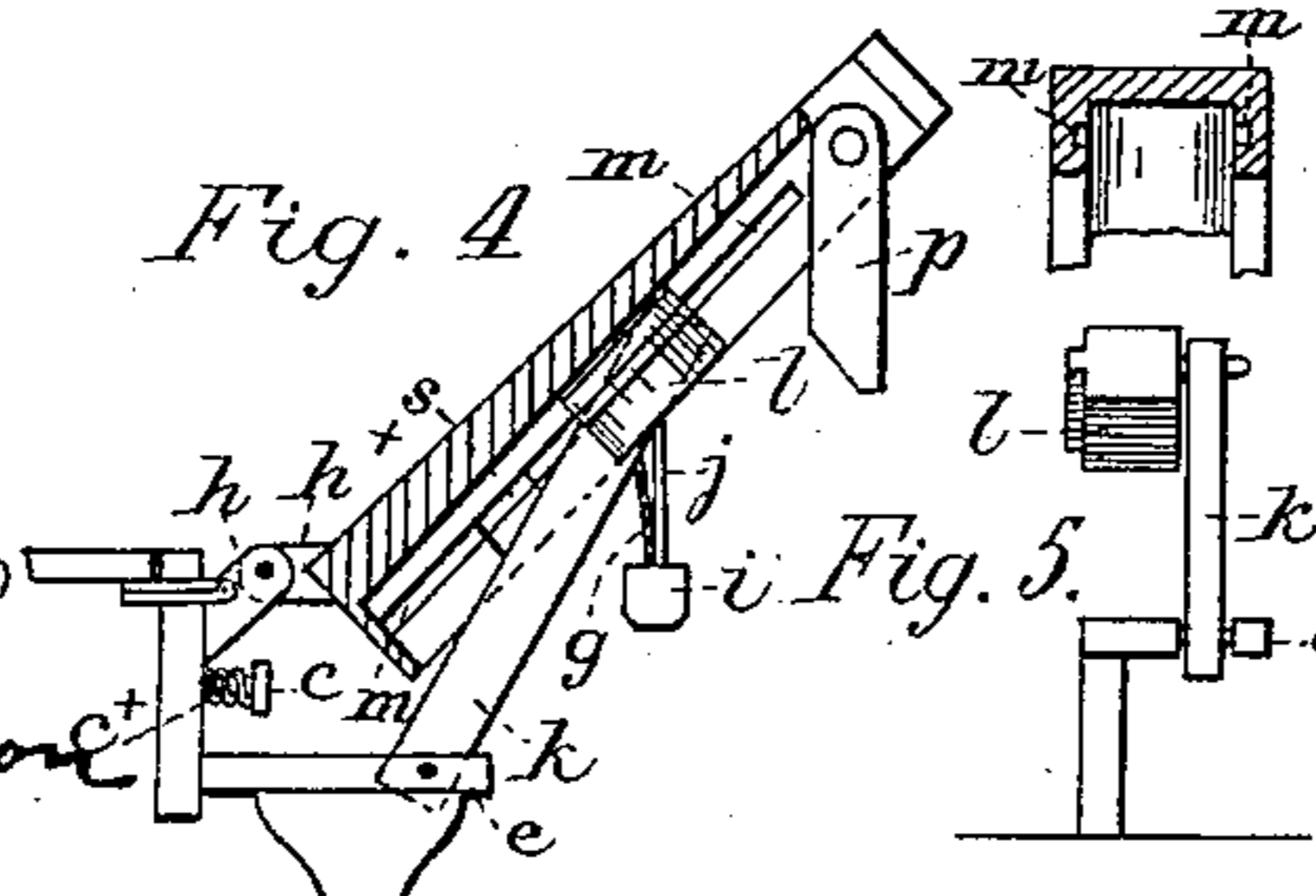
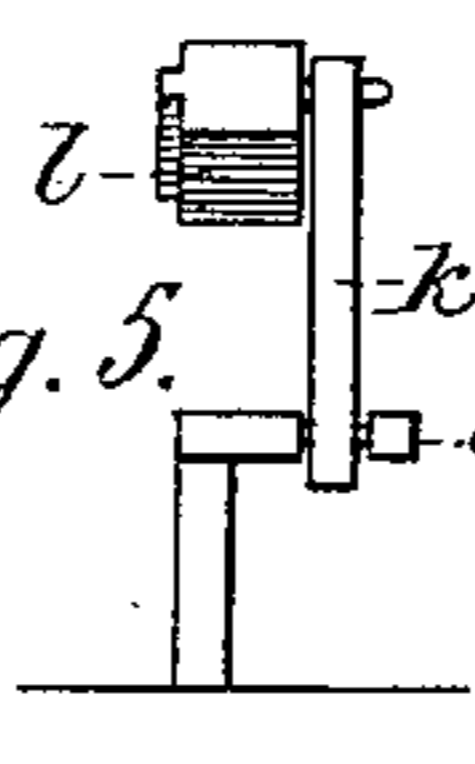


Fig. 5.



Witnesses:

C. A. Brandau

James Dawson

Inventor:

Andrew G. Phillips

By his Atty.

Alfred S. Smith

# UNITED STATES PATENT OFFICE.

ANDREW G. PHILLIPS, OF SAN FRANCISCO, CALIFORNIA.

## HEAD AND BACK FOR LOUNGES.

SPECIFICATION forming part of Letters Patent No. 390,703, dated October 9, 1888.

Application filed July 9, 1886. Renewed June 5, 1888. Serial No. 276,263. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW G. PHILLIPS, a resident of the city and county of San Francisco, State of California, have invented a new and useful Improved Lounge-Bedstead; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings.

My invention relates to improved means for adjusting the end of the lounge, and for providing the back with adjustable feet for its support when the lounge is used as a bedstead.

The following description fully explains the nature of my said invention and the manner in which I proceed to construct, apply, and use the same, the accompanying drawings being referred to by figures and letters.

Figure 1 is a perspective view of the lounge, showing the ratchets in the upright pieces of the end of the lounge, the bolt with spiral spring, the pivoted feet on the lounge-back, the pivoted bar with block attached arranged to work in recess and on the foot of the lounge, and the swinging bar and its attachment. Fig. 2 is a plan view of the same, showing the attachment of the back to the lounge-frame, parts being shown in section. Fig. 3 is an end elevation and part section of the lounge, showing the attachment of the back, one pivoted foot, the swinging bar attached to rods and cord, and the bolt with spring attached to the movable bar. Figs. 4 and 5 are detail views showing the attachment of the back to the seat, the pivoted bar with block attached pivoted on the foot of the lounge-frame, the grooves in the recess for the action of pivoted bar and block, the pivoted foot, the swinging bar, and the bolt with spring. Figs. 6, 7, and 8 are detail views showing bolt with spiral spring attached to movable bar, the ratchet on upright end of lounge, and the tooth on movable bar.

My improvement consists in attaching to an ordinary lounge-bedstead an adjustable end, and to the back a swinging supporting-bar and adjustable feet.

Referring to Fig. 1, the upright pieces *b* of the end *a* of the lounge-frame are pivoted on a bolt, *q*, to the side of the frame, and the lower end of each upright piece has ratchets *b*<sup>x</sup>, to engage with the teeth of the movable

beveled bar *d*. This bar extends across the head of the frame, the outer end acting in a slot, *o*, in the front side of the frame, and the inner end attached to a bolt, *c*, which projects through the inner side of the frame, where a spring, *c*<sup>x</sup>, is attached at one end of the frame and at the other end to the bolt, around which it coils. On the beveled face of the bar, near each end, there is a single tooth, *d*<sup>x</sup>, which acts in the ratchet end of the upright pieces *b*, while the outer end of the bar acts, as above described, in the beveled slot *o* in the outer side piece of the lounge-frame.

The back is attached to the lounge-frame by bars *h* *h*<sup>x</sup>, one of which is screwed to the frame and the other to the back, and the other ends are pivoted together. The end piece of the back and an adjoining piece form a recess, *r*, on each end for the pivoted foot *p* and the pivoted bar *k* and block *l*, which bar and block are pivoted together. The foot *p* is pivoted in the top of this recess, and the pivoted bar and block attached travel in grooves *m* in the sides of the recess, the pivot-pin projecting through the bar into the groove on one side, and a rib on the block acting in the groove on the other side. The lower end of the pivoted bar is pivoted in a recess in the leg of the lounge-frame, Fig. 1.

On the back of the back-frame I attach a swinging bar, *i*, by a rod, *j*, one end of which rod *j* is attached to the bar *i*, and the other end, forming an eye, is pivoted on a bolt, *n*, set in the side of the upright piece *x*, forming a recess *v*. Near the lower end of this piece *x* there is a small recess, *s*, to receive the swinging bar when the back is up and hold it in that position. A cord, *g*, passes from the center upright piece of the back-frame to the swinging bar, to which it is attached, to prevent the bar from swinging too far outward.

In adjusting the end of the lounge to a level or any desired angle the bolt *c* is pressed, which action moves the beveled bar *d* and releases the tooth *d*<sup>x</sup> from the ratchet end of the upright pieces *b*, and permits the end of the lounge to fall to the point desired, where it is adjusted by removing pressure from the bolt and allowing the spiral spring *c*<sup>x</sup> to react and carry the movable bar inward and permit the tooth to set in the ratchet ends of the

pieces *b* and hold them in place. This adjusting arrangement may be placed at either or both ends of the lounge.

In adjusting the lounge for a double bed-  
 5 stead the swinging bar is released from recess  
*s* and swings outward on the rods *j*, the cord  
*g* preventing it from swinging too far outward,  
 and the back of the lounge is brought down to  
 10 a horizontal position, which action causes the  
 pivoted foot *p* to swing out of recess *r* in a ver-  
 tical position, and the pivoted bar *k*, with  
 block *l* attached, to move in the grooves *m*  
 against the foot and lock it and hold it in po-  
 sition.

15 I am aware that previous to my invention  
 bed-lounges have been provided with pivoted  
 ends or heads having ratchet attachments for  
 holding the heads in various positions of ad-  
 justment, as desired, and hence I do not claim  
 20 such arrangement, broadly; but,

Having thus fully described my invention,

what I claim, and desire to secure by Letters Patent, is—

1. In a lounge-bedstead, the adjustable end  
 having upright pieces *b*, with ratchets *b*<sup>x</sup>, piv- 25  
 oted on a bolt, *q*, to the lounge frame, and ad-  
 justed by a beveled bar, *d*, having a tooth, *d*<sup>x</sup>,  
 near each end, and operating-bolt *c* and spiral  
 spring *c*<sup>x</sup>, substantially as herein described,  
 and for the purposes set forth. 30

2. In a lounge-bedstead, the back thereof  
 provided with the swinging bar *i*, attached  
 by rods *j* to bolt *n* on the back-frame, in com-  
 bination with the end frames having recesses  
*s* and cord *g*, and the pivoted feet *p*, in combi- 35  
 nation with pivoted bar *k*, with block *l*, work-  
 ing in the grooves *m*, and recess *r*, as described,  
 and for the purpose set forth.

ANDREW G. PHILLIPS. [L. S.]

Witnesses:

A. B. SMITH,

FERDINAND IMHORST.