

C. ROBINSON.  
Carriage-Seat Lock.

No. 223,008.

Patented Dec. 30, 1879.

Fig. 1

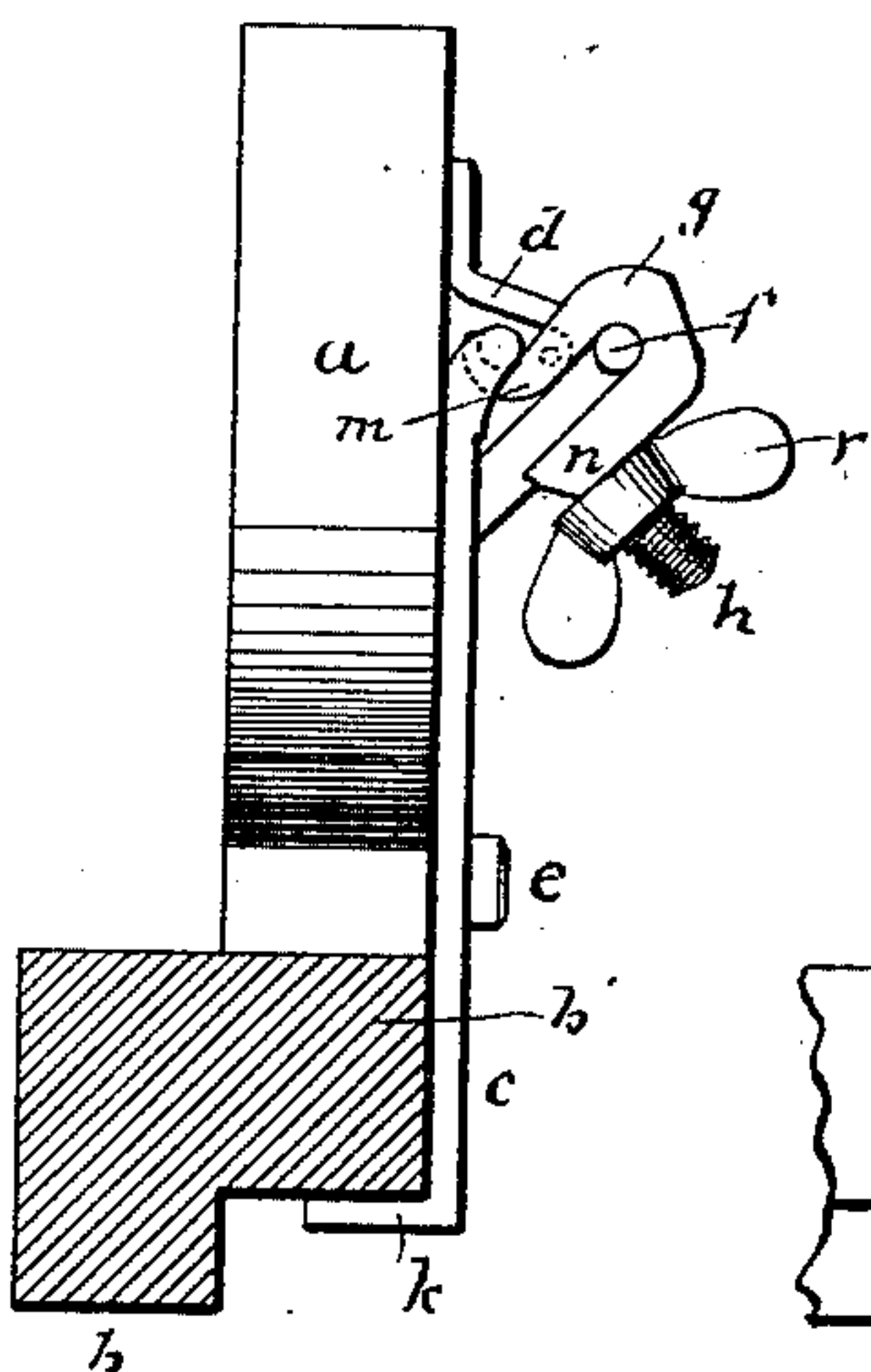


Fig. 2.

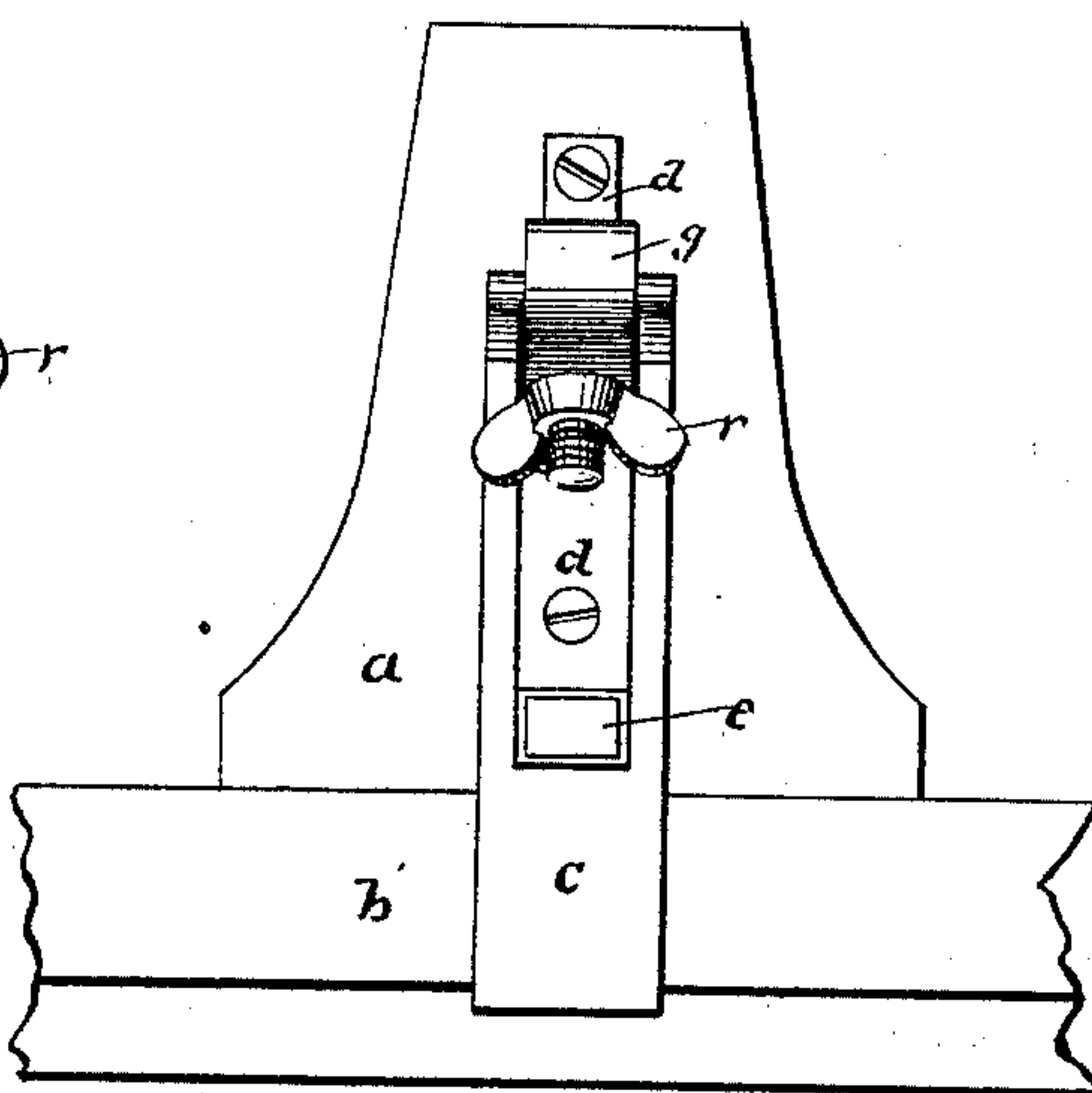
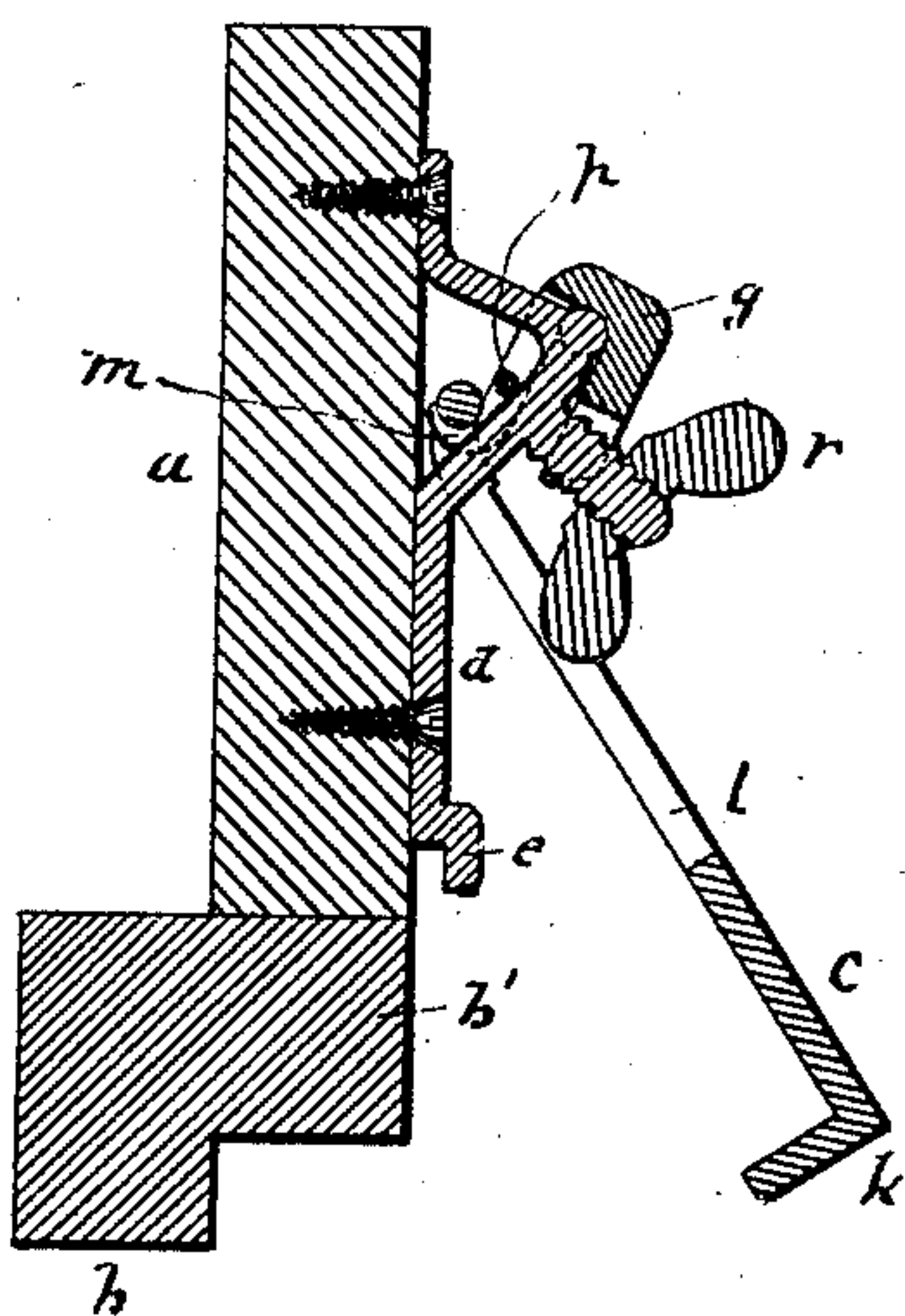


Fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

CLARK ROBINSON, OF EAU CLAIRE, WISCONSIN.

## IMPROVEMENT IN CARRIAGE-SEAT LOCKS.

Specification forming part of Letters Patent No. **223,008**, dated December 30, 1879; application filed July 14, 1879.

*To all whom it may concern:*

Be it known that I, CLARK ROBINSON, of Eau Claire, in the county of Eau Claire and State of Wisconsin, have invented certain new and useful Improvements in Carriage-Seat Fastenings; 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.

My invention relates to the fastenings used to secure a jump-seat to the rail of a carriage-box at any point; and it consists of the improved fastening device herein described, which will be fully understood from the following description and claims.

Figure 1 shows a side elevation of the fastening device applied to the inside of the riser of a carriage-seat, *a* being the riser, *b* a section of the side of the box, and *b'* a section of the rail on which the seat rests. Fig. 2 is a front elevation of the same, and Fig. 3 a vertical central section, showing the arm *c* raised.

The piece *d* is screwed to the riser *a* of the seat, and has at the lower end the nib *e*, and near the upper end it is bent outward, as shown, and provided with the screw *h* and the trunnions *f*, on which the curved lever *g* rests. The arm *c* has the right-angled hook *k*, which catches under the rail *b'*, and the slot *l*, which receives the piece *d*. the upper end of the arm passing under the raised portion of *d*.

The curved lever *g* is forked at both ends, the prongs at one end being provided with the hooks *m*, which hook in through the slot *l* under the upper end of the arm *c*, while the prongs *n* at the other end straddle the screw *h* just under the thumb-screw *r*.

The cross-bar *p* prevents the curved lever *g* from dropping off when loose.

The operation of the device is as follows:

When the arm is in place the hook *k* hangs under the rail of the box, and by screwing up the thumb-screw *r* the seat is firmly clamped to the rail, and it can be thus secured at any point on the rail. The thumb-screw *r* bears against the prongs *n* of the curved lever, causing the hooks *m* to draw the arm up against the rail. If the seat is to be removed from the box entirely, then the thumb-screw is run down low enough to let the arm *c* drop until it will clear the nib *e*; then the arm is drawn out, as shown by Fig. 3, and the seat can be removed. While the arm is out the thumb-screw can be tightened, so as to hold the arm out—that is, the arm is screwed up until the slot comes above the nib *e*, which prevents the lower end from falling under the rail.

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

1. The seat-fastening herein described, consisting of the combination of the arm *c*, curved lever *g*, supporting-piece *d*, and thumb-screw, all substantially as and for the purpose set forth.

2. The combination of the arm *c* and supporting-piece *d*, having the nib *e*, which engages with the arm *c* below its hinge or support, with mechanism for raising and tightening the arm, substantially as described, and for the purpose set forth.

3. The combination of the supporting-piece *d*, having the nib *e*, trunnions *f*, and thumb-screw *r* *h*, with the arm *c*, having the hook *k* and slot *l*, and the curved lever *g*, having the hooks *m*, 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.

CLARK ROBINSON.

Witnesses:

J. F. ELLIS,

W. H. ELLIS.