

(No Model.)

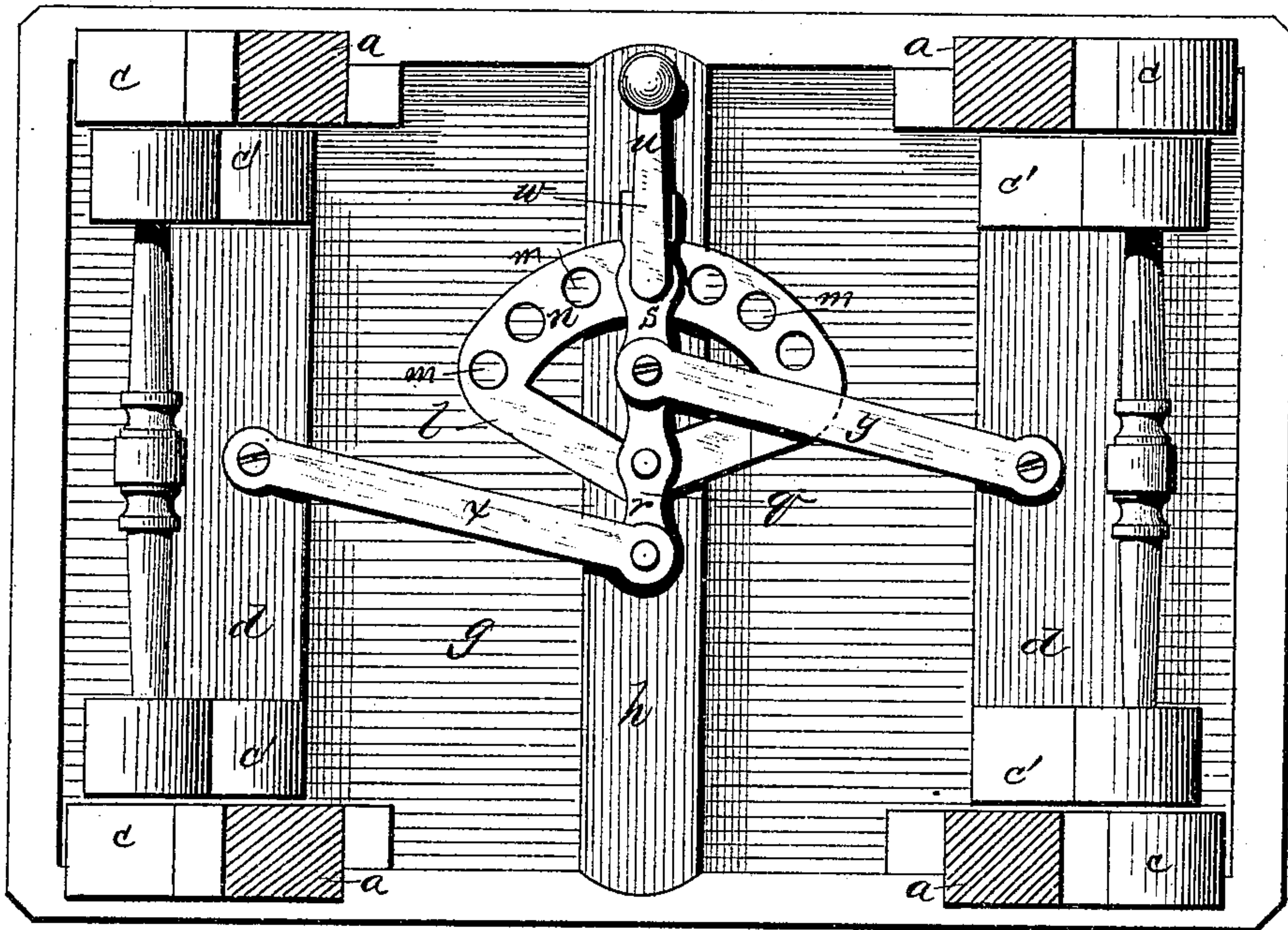
I. R. GILBERT.

CHAIR OR STOOL.

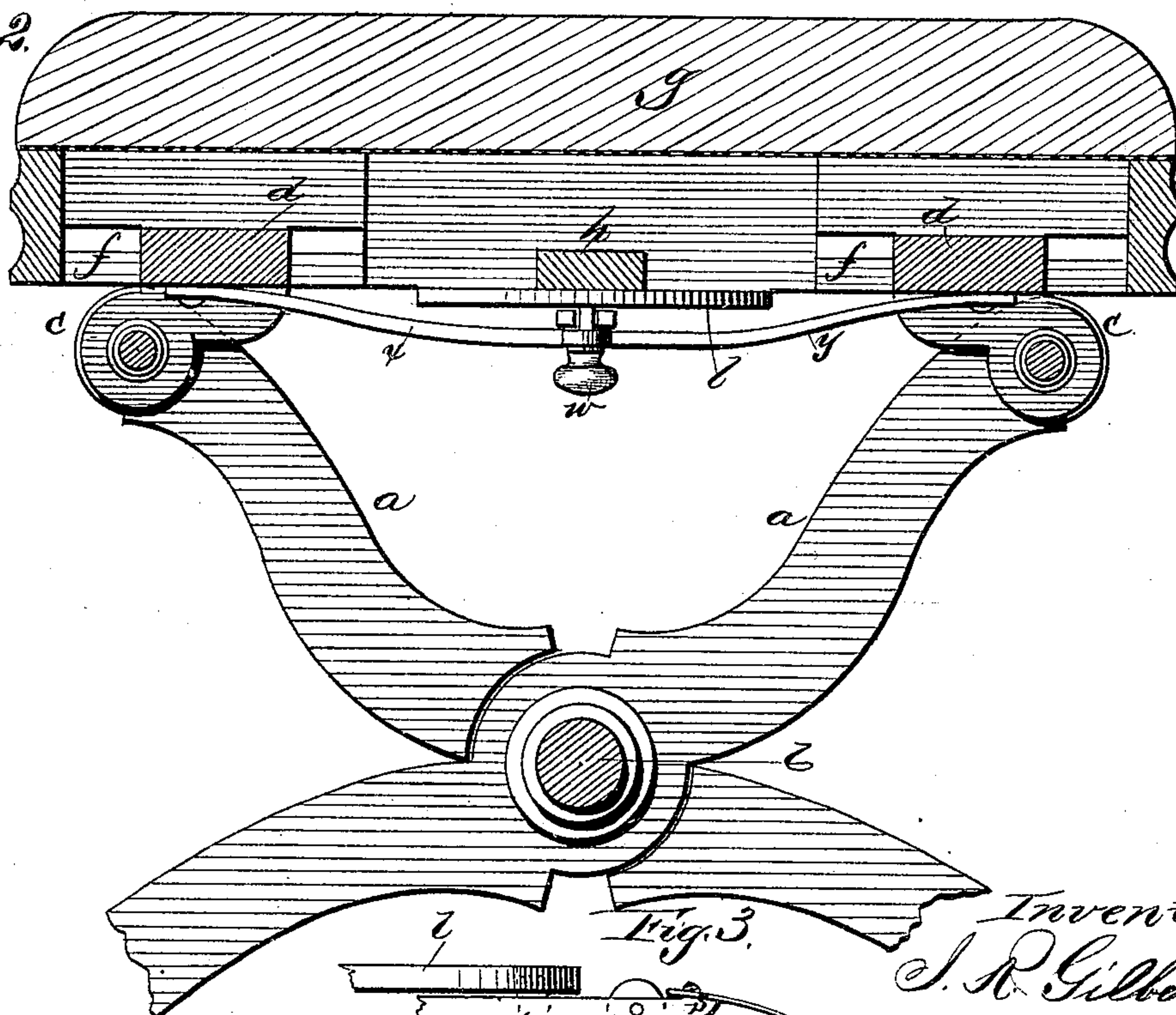
No. 249,035.

Patented Nov. 1, 1881.

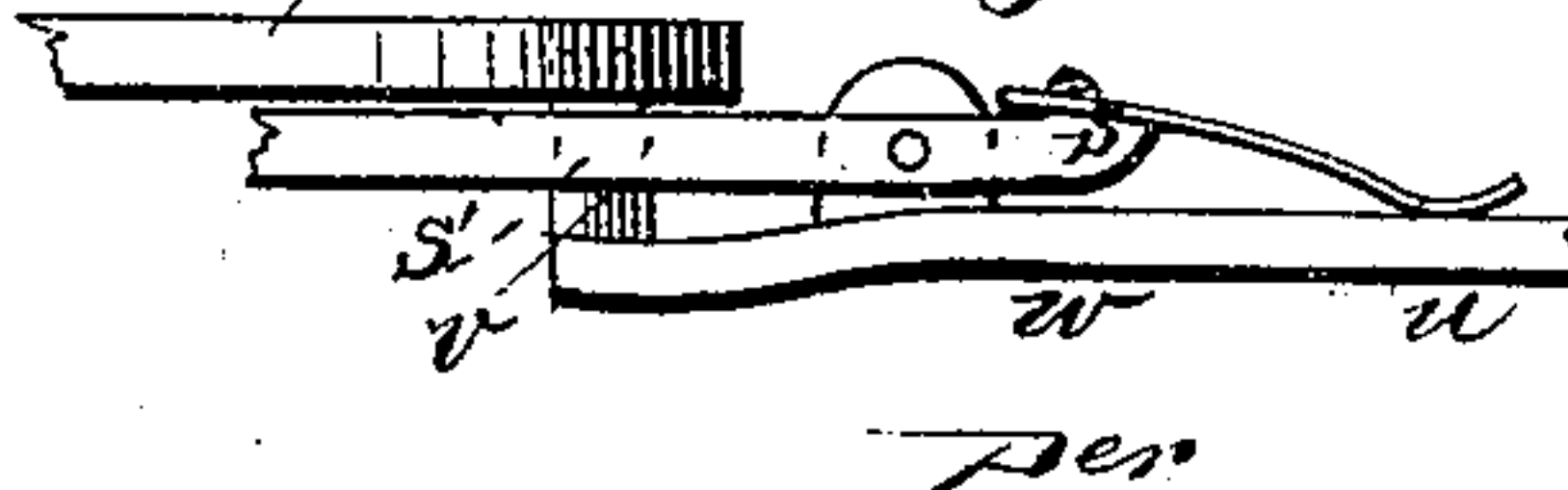
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## CHAIR OR STOOL.

SPECIFICATION forming part of Letters Patent No. 249,035, dated November 1, 1881.

Application filed September 5, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, ISAAC R. GILBERT, of Charlestown, in the State of Indiana, have invented certain new and useful Improvements in Chairs or Stools; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is a bottom-plan view, and Fig. 2 a central longitudinal section, of my device; and Fig. 3, a detail view of the locking mechanism.

This invention relates to improvements in chairs, and has for its object the production of a chair in which the height of the seat above the floor can be varied without affecting the size of the seat itself.

To this end the invention consists in the construction hereinafter set forth, and pointed out in the claims.

In order to enable others skilled in the art to avail themselves of the benefits of my invention, I will now proceed to describe its construction and operation.

The letter *a* represents the two sets of legs of a chair, the legs of each set crossing and pivoted together at *b*. At their tops *c* these legs are hinged to the ends *c'* of the slide-bars *d*, the tenons of which are adapted to and work in guideways *f*, located at each corner of the seat *g* on the under side.

Secured midway of the seat underneath, and parallel to the slide-bars, is a cleat, *h*, to which is fastened a rack-frame, *l*, having a series of holes, *m*, in its curved bar *n*. Pivoted to the cleat *h* at the center of this curved bar *n* is the lever *q*, having a short arm, *r*, and a long arm, *s*, the latter extending out over the curved bar, at which point it is provided with a hole, *s'*, and the former extending in the opposite direction.

Pivoted at the end of the long arm *s* is a locking-pawl, *w*, the head *v* of which extends up-

ward through the hole *s'* and under the curved bar *n*, and its handle *u* extends outward to the edge of the chair.

To the end of the short arm of the lever *q* is attached a connecting-rod, *x*, whose opposite end is attached to one of the slide-bars *d*, and at the same distance from the pivot upon the other arm of the lever is attached another connecting-rod, *y*, which is connected at its outer end to the remaining slide-bar. By this construction it will be seen that as the lever *q* is moved from side to side the slide-bars *d d* are drawn in or forced out and the angle formed by the crossing legs diminished or increased. In this way the distance of the seat from the floor is varied at will and retained at any desired point by catching the head of the pawl in one of the series of holes *m*.

The handle of the pawl may be provided with a spring, if desired, to better secure its engagement with the rack-bar.

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

1. The combination, substantially as described, with the seat of a chair or stool and its legs mounted on slides under the seat, of the lever *q*, rods *x y*, and cleat *h*, all arranged to operate substantially as and for the purpose described.

2. The seat *g*, having the guideways *f*, in combination with the slide-bars *d*, connecting-rods *x y*, lever *q*, having short arm *r* and long arm *s*, locking-pawl *w*, rack-frame *l*, and the legs *a*, pivoted together and hinged to the seat, all constructed and arranged to operate 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.

ISAAC R. GILBERT.

Witnesses:

JOHN M. LONG,  
JAMES S. DIXON.