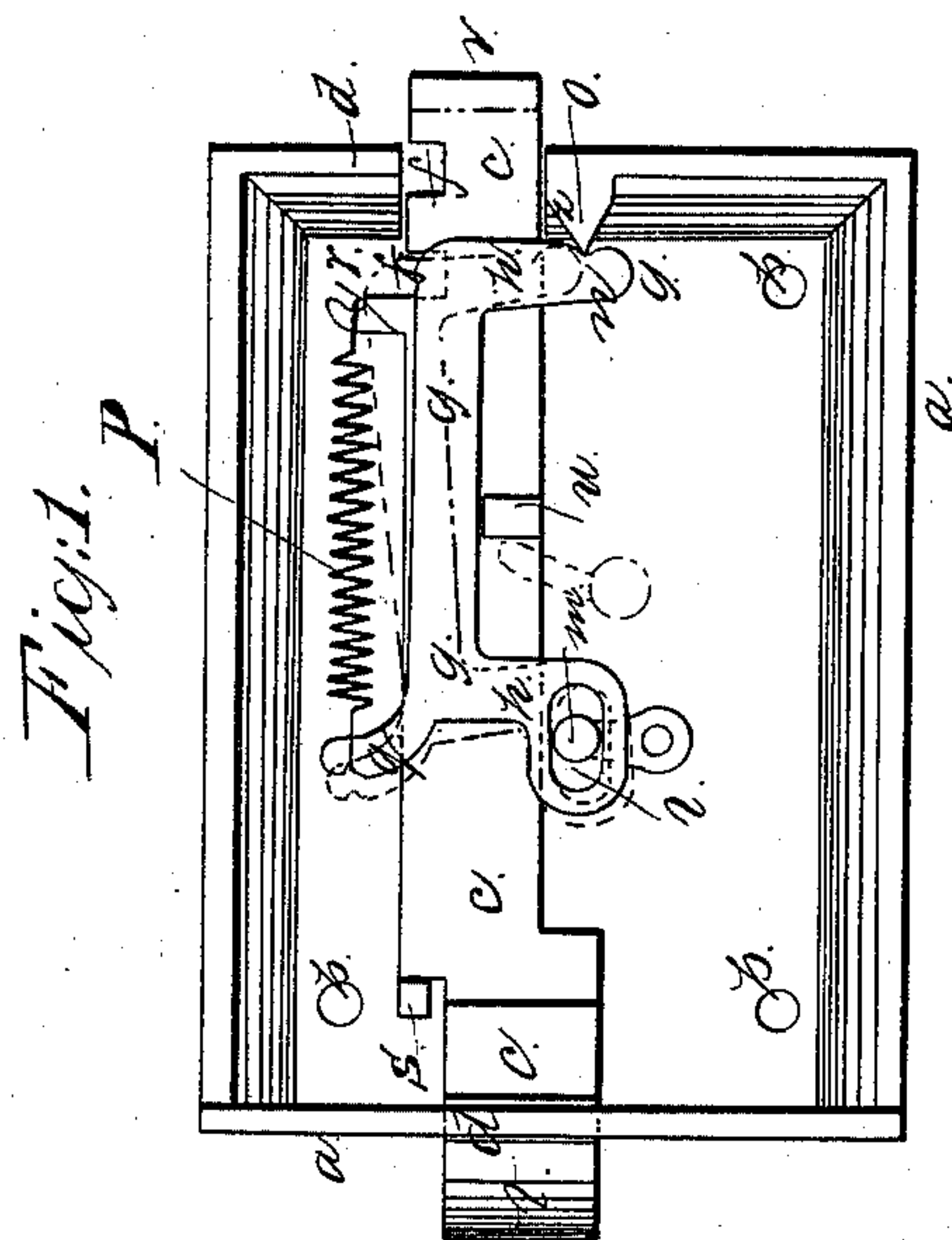
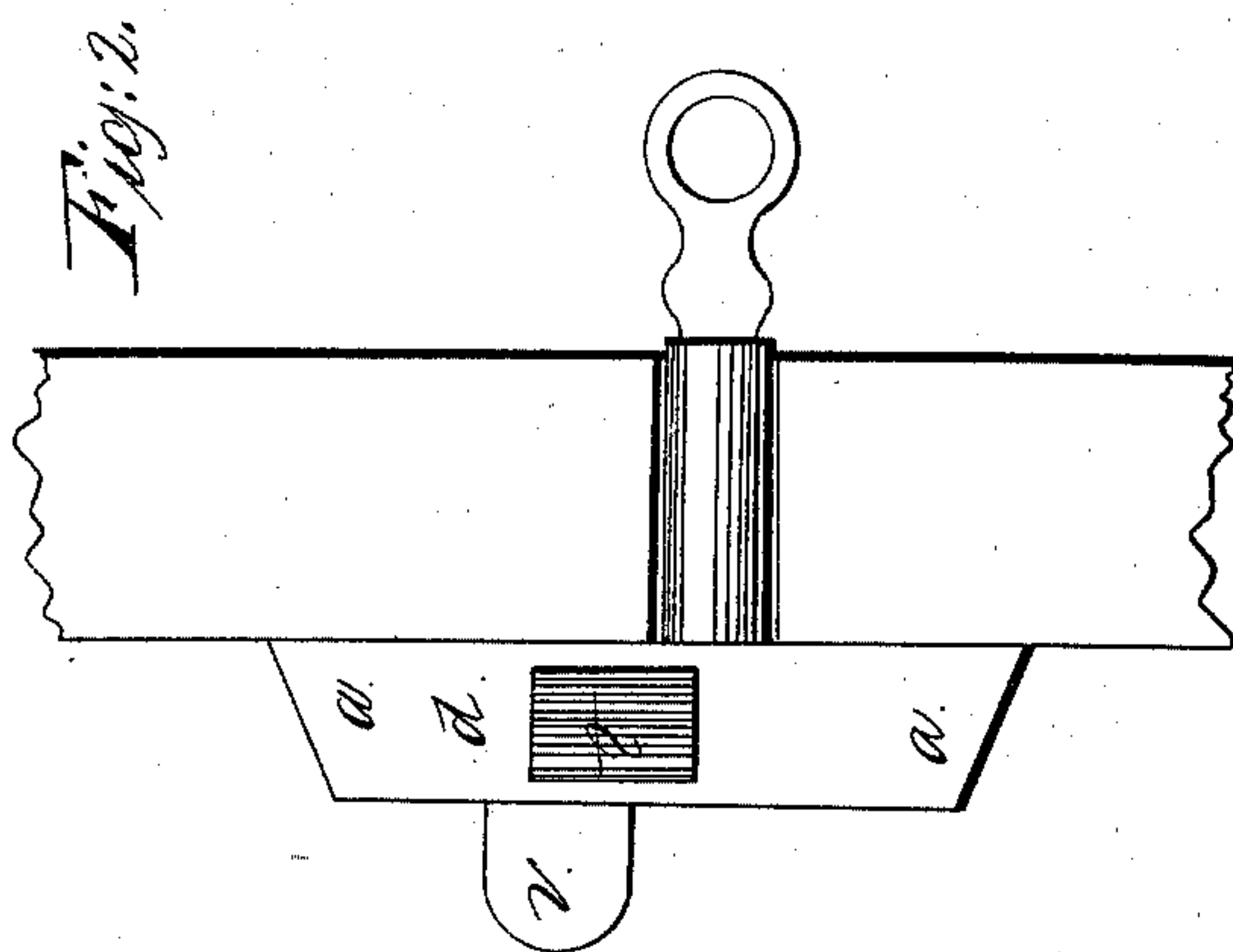


*J. Post,*

*Latch.*

*N<sup>o</sup> 49,297.*

*Patented Aug. 8, 1865.*



*Witnesses:*

*Wm. Brewin  
Geo. Tinsell*

*Inventor:  
Jacob Post  
per  
Munn & Co  
Attorneys*

# UNITED STATES PATENT OFFICE.

JACOB POST, OF NEWARK, NEW JERSEY.

## IMPROVEMENT IN LOCKS.

Specification forming part of Letters Patent No. **49,297**, dated August 8, 1865.

*To all whom it may concern:*

Be it known that I, JACOB POST, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Locks; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention relates more particularly to latch-locks, and consists in a certain new and useful arrangement of parts in connection with the latch-bolt of the same, whereby the bolt can be so fixed or secured, whether locked or unlocked, as to prevent it being moved by the key when inserted within the key-hole or aperture of the same.

In the accompanying plate of drawings my improvement is illustrated, Figure 1 being a view of the interior of the lock-casing with one of its side plates detached; Fig. 2, an end view of the same, showing a door to which it is attached in section.

*a a* in the drawings represent the outer casing or box of the lock, having apertures *b b b* in the same for the insertion of screws for fastening it to a door or other suitable place. Within this casing or box and extending in the direction of its length is a sliding latch-bolt, *c*, projecting from each of its end pieces, *d d*, and moving in suitable guiding apertures thereof, which bolt has at or near one of its ends two notches, *f f*, and is cut away for a portion of its length within and between the end plates of the box.

*g* is a plate or bar, made with a right angular projecting arm, *h*, at each of its ends and on the same side thereof, placed and resting upon the cut-away portion of the bolt *c*, between it and the outer casing, one arm of the said plate having a slot, *l*, across its width and in

the same direction with the latch-bolt, fitting over a fixed pin, *m*, of the lock, and the other arm, by its notched end *n*, engaging with an angular-shaped projecting piece, *z*, of the lock-casing, against which it is held by a spiral spring, *p*, hung at one end upon the curved arm *q* of the plate *g*, and at the other to the arm *r* of the latch-bolt.

*s* is the latch-stop for limiting the outward play of the latch end *t* of the bolt, and *u* a lug on bolt between the arms of the plate *g*, against which lug, when the proper-shaped key is inserted in the key-hole of the lock, the bit thereof comes to a bearing, as represented in the drawings by dotted lines, moving in the latch end of the sliding bolt and disengaging it from the jambs of the door, the spring *p* throwing it out as the key-bit disengages itself from the lug of the bolt, as in ordinary locks.

If desired to secure the latch-bolt of the lock, either when in a locked or unlocked position, take the inner end of the same by its thumb-piece *v* and move it sufficiently to cause either one of its notches to engage with the lock-casing, according to the position of the bolt where it is held by the spiral spring of the lock, the plate *g* to which it is hung being disengaged from the angular projection and resting by its end *y* upon the incline *z* of the same, as is plainly represented in red lines in Fig. 1.

I claim as new and desire to secure by Letters Patent—

The combination, with the notched latch-bolt *c* of a lock, of the spring bar or plate *g*, and arranged together with regard to each other and operating substantially as herein described, and for the purpose specified.

JACOB POST.

Witnesses:

THOS. W. LANGSTROTH,  
J. S. CRANE.