

(No Model.)

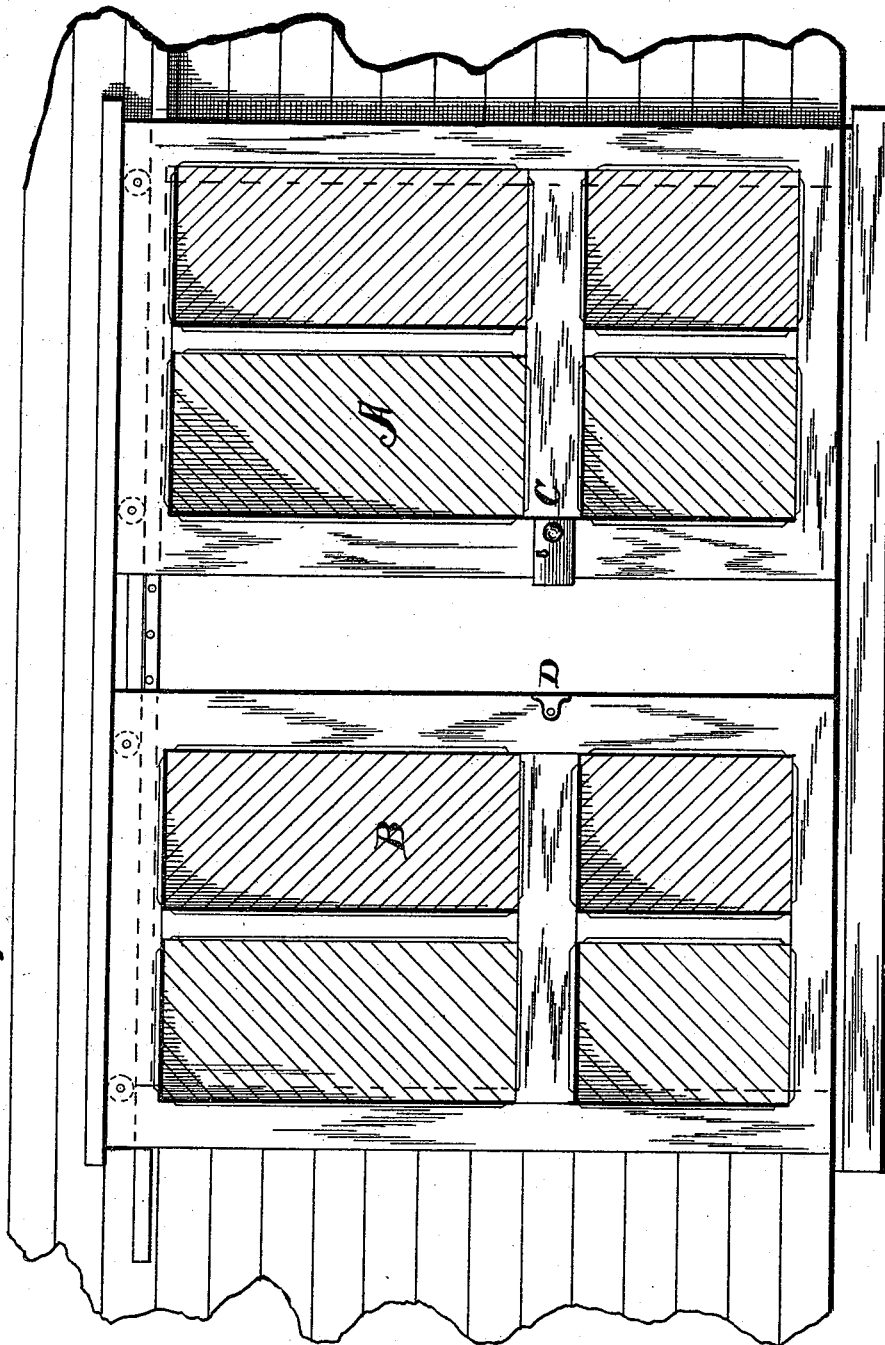
L. E. JACOBUS.
LOCK.

2 Sheets—Sheet 1.

No. 490,440.

Patented Jan. 24, 1893.

Fig. 1.



WITNESSES:

Geo. M. Blumers
A. A. Carhart

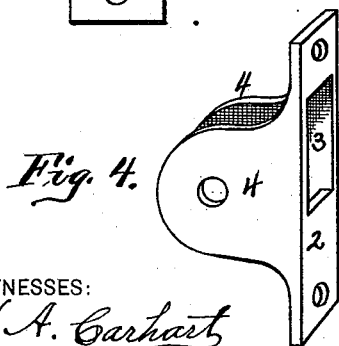
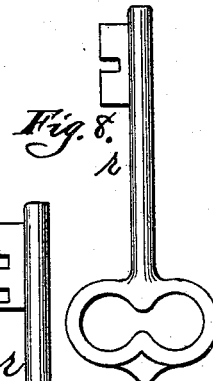
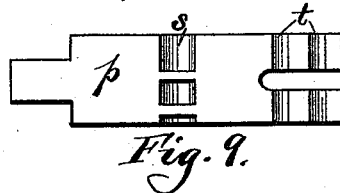
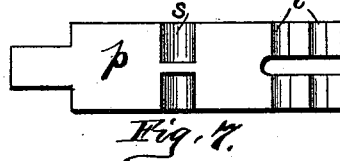
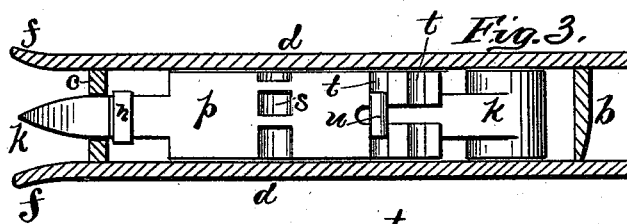
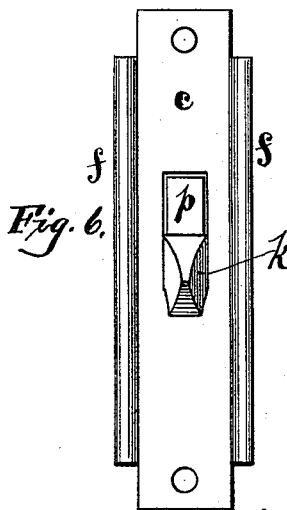
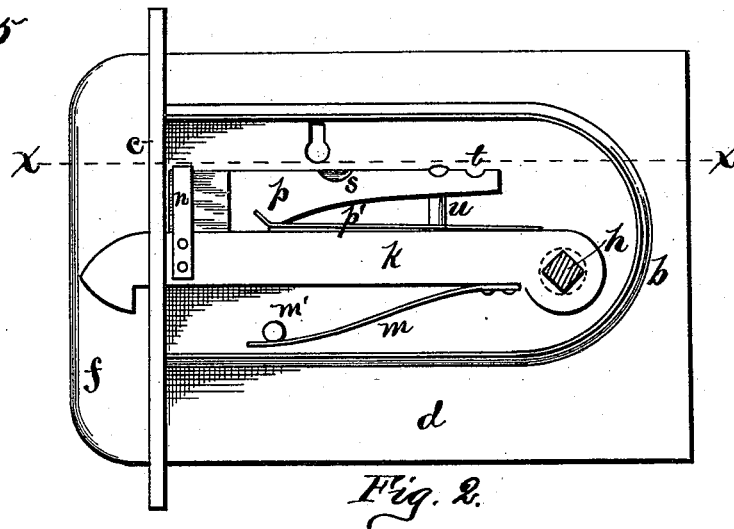
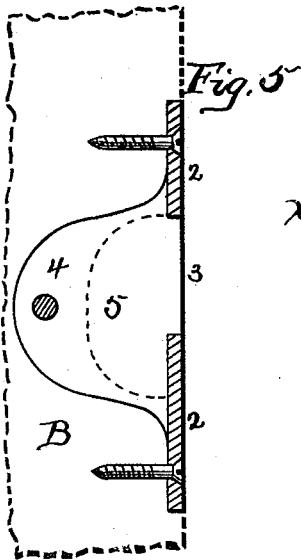
INVENTOR

Lyman E. Jacobs
By Smith & Wmson
ATTORNEYS.

L. E. JACOBUS.
LOCK.

No. 490,440.

Patented Jan. 24, 1893.



WITNESSES:
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Lyman E. Jacobus
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UNITED STATES PATENT OFFICE.

LYMAN E. JACOBUS, OF ROMULUS, NEW YORK.

LOCK.

SPECIFICATION forming part of Letters Patent No. 490,440, dated January 24, 1893.

Application filed July 15, 1892. Serial No. 440,139. (No model.)

To all whom it may concern:

Be it known that I, LYMAN E. JACOBUS, of Romulus, in the county of Seneca, in the State of New York, have invented new and useful Improvements in Locks, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to locks and latches combined, and adapted to be used upon sliding doors.

It consists in the novel features of construction and operation hereinafter described and which are specifically set forth in the claim hereunto annexed.

It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation of a pair of sliding doors to which my lock and latch is applied. Fig. 2, is a side elevation of the lock and latch with one side plate removed. Fig. 3, is a longitudinal section on line *x x*. Fig. 4, is a plan perspective of the catch. Fig. 5, is a vertical section of the same as applied to a door. Fig. 6, is a front elevation of the lock and latch. Fig. 7, is a top plan of the locking bolt adapted to a key having a single slot in the bit. Fig. 8, is a plan of such a key. Fig. 9, is a like view of said bolt adapted to a key having two slots in the bit. Fig. 10, is a plan of such a key.

A B are the doors supported by an overhead track-way *a*, and hangers adapted to travel thereon secured to the doors, all of any desired construction; one door being provided with the lock and latch C and the other with the catch D—mounted in the adjacent stiles of said doors.

The lock and latch body comprises an inner casing *b*, a face plate *c*, and side plates *d*, removably secured in place to close the sides of the casing—; said face plate having a vertical slot-way, and the side plates being adapted to project beyond the door stile, and also flaring outward, for some purposes, while for others these projections *f*,— may be omitted. Said side-plates are also provided with perforations through which the knob spindle *h*, is inserted—, and which also passes through the square mortise in the rear end of the latch *k*, which projects with a bevel pointed and hooked-head through the slot in the face plate, and a spring —*m*—

secured to the latch and engaging with a stud —*m'*— on one side plate holds said latch down in the lower part of the slot in the face plate. A rectangular loop *n*, is secured to the latch, and *p*, is the locking bolt, the front end of which fits freely in said loop, and *p'* is a spring adapted to hold said bolt from displacement—or longitudinal movement, except when moved by the key *r*, inserted through the side plate, the bit of which engages with the shoulder of the concavity *s*, and operates first to rock said bolt down at the rear end, to release the T head of the stop pin —*u*— from one of the concavities *t*, and then to shove the bolt forward so that its front end substantially fills the slot in the face-plate above the latch, and thus locks the latch against vertical movement. Said stop pin passes up through a bifurcation in the rear end of the bolt.

The catch with which the latch engages comprises a face plate 2—provided with a slot 3, and with rearwardly projecting arms 4, adapted to partially embrace the stile of the door, said stile being cut out to create a cavity 5, to receive the head of the latch. Other styles of catches can be used. This latch also protects the stile from wear, when the doors are brought together, with the stile of one between the guiding projections of the lock and latch, which guide the latch into the catch. The latch is unhooked by turning the knob spindle.

What I claim as my invention and desire to secure by Letters Patent is:—

A lock and latch consisting of a casing having a slotted face, a latch mounted upon the knob-spindle, a knob-spindle, a loop upon the latch, a locking-bolt passing through said loop and adapted to rock upon the latch body, and bifurcated rearwardly and recessed transversely to said bifurcation, a T-headed stop-pin erected upon the latch and standing in said bifurcation and having its head normally in engagement with one of said recesses, and a slotted catch adapted to receive the head of the latch, in combination, as set forth.

In witness whereof I have hereunto set my hand this 6th day of July, 1892.

LYMAN E. JACOBUS.

In presence of—

H. L. HUMPHRIES,
HOWARD P. DENISON.