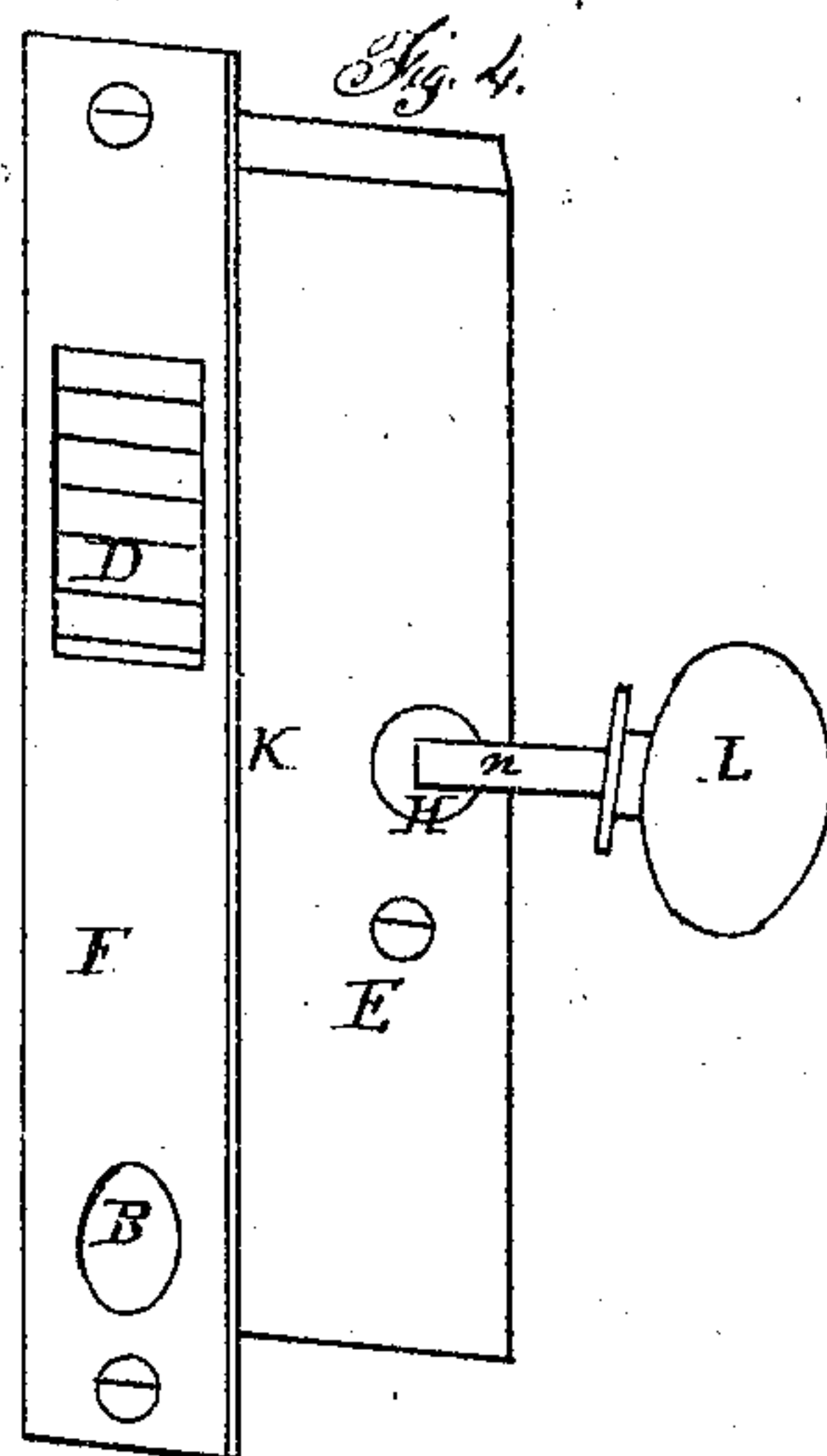
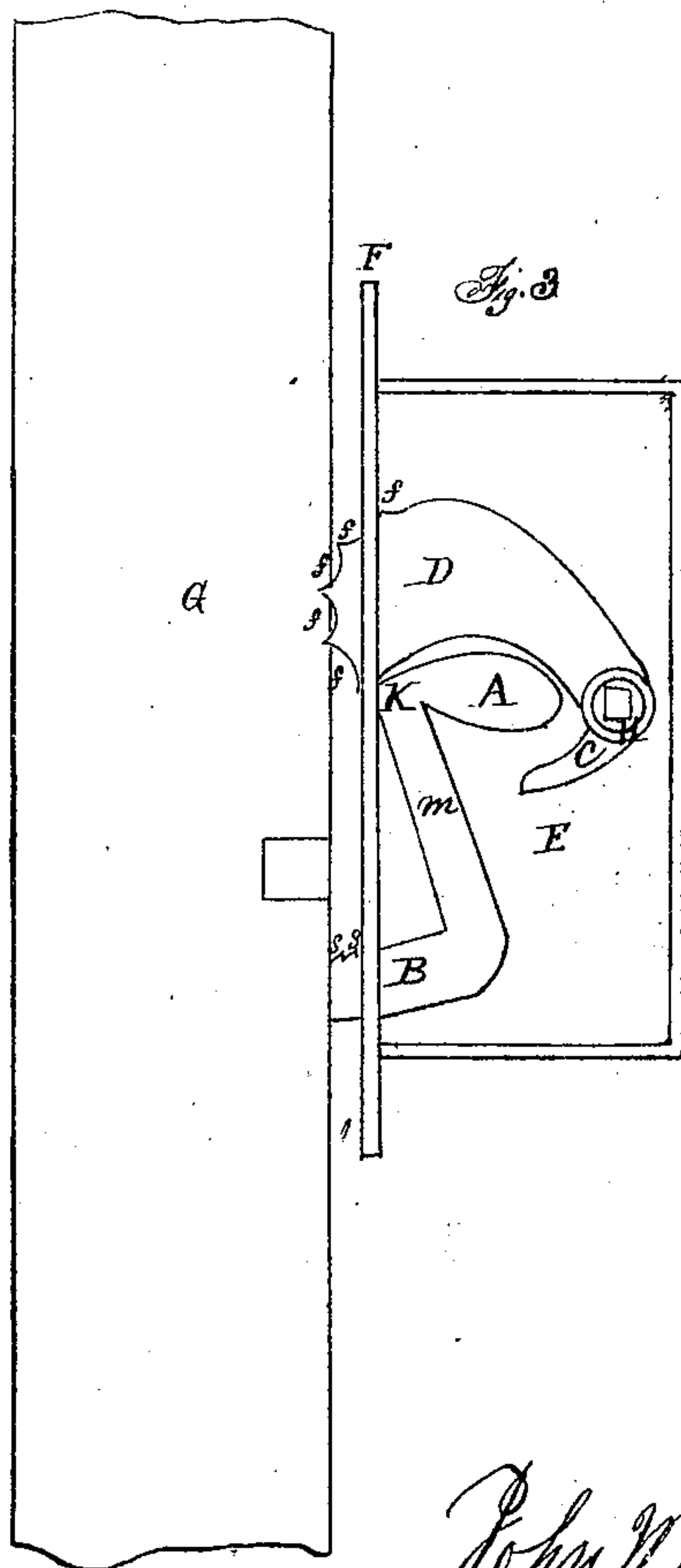
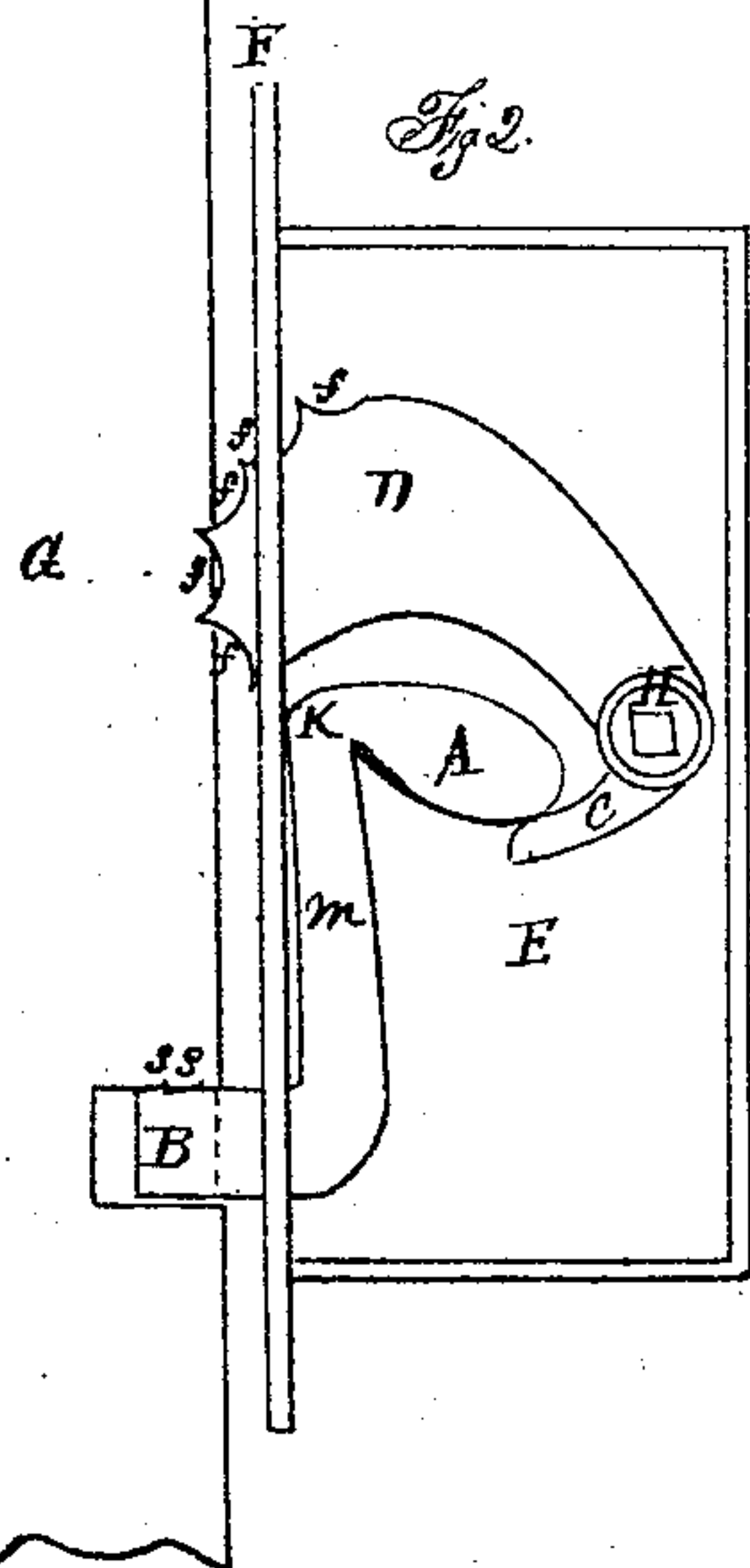
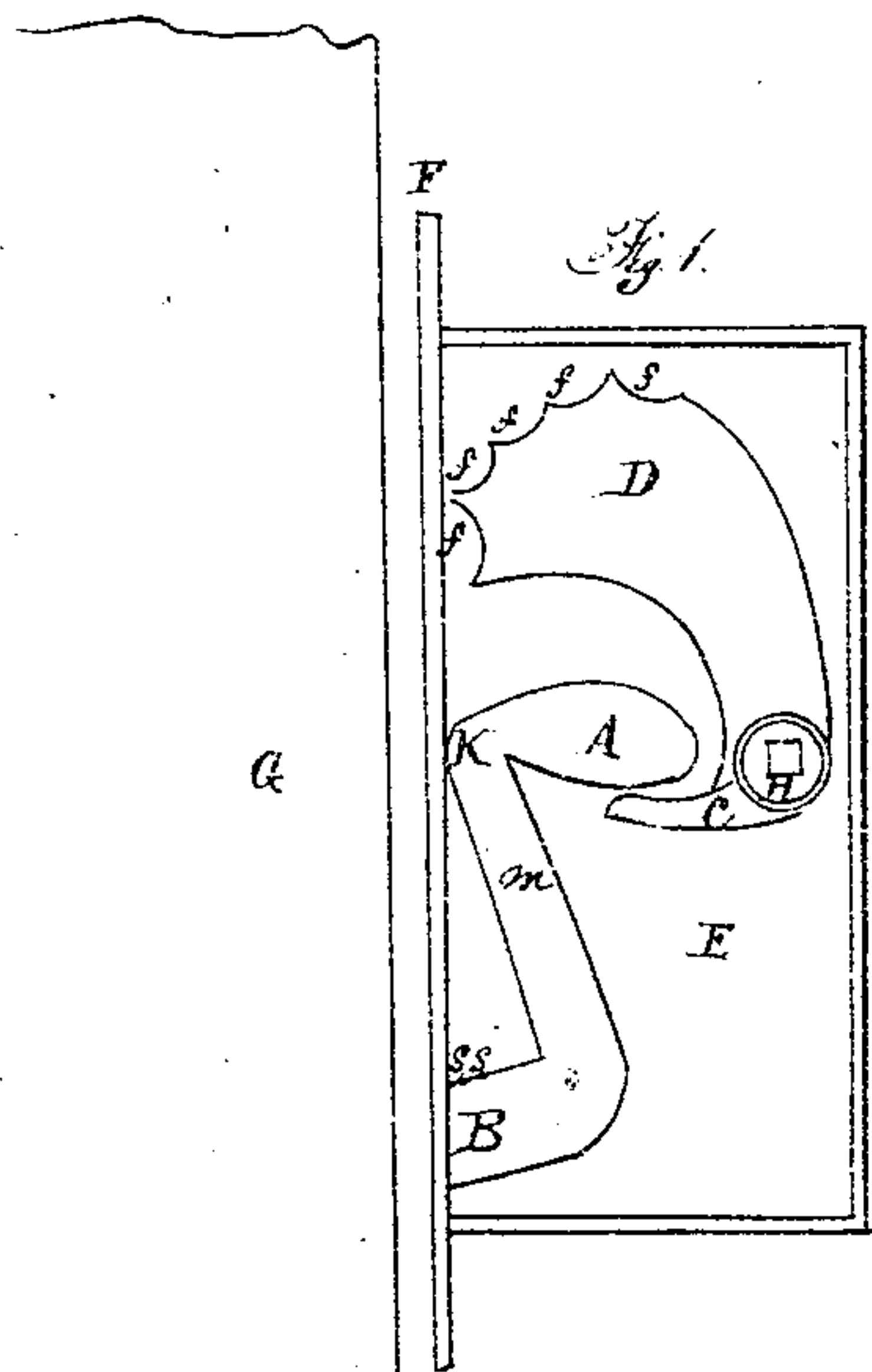


J. W. Hansel.

Window-Sash Fastener.

N<sup>o</sup> 73325.

Patented Jan. 14, 1868.



Witnesses  
R. W. Burland  
Engineer & Counselor

Invented  
John W. Hansel

# United States Patent Office.

JOHN W. HANSEL, OF PEORIA, ILLINOIS.

Letters Patent No. 73,325, dated January 14, 1868.

## IMPROVEMENT IN WINDOW-SASH FASTENER.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN W. HANSEL, of the city and county of Peoria, and State of Illinois, have invented a new and improved Mode of Holding and Locking Window-Sash; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in a window-sash holder and lock, so constructed that it will securely lock a window (either upper or lower sash) at any point desired. It holds the sash square in the frame, and keeps it from setting, does not deface the sash, is constructed without a spring, is self-acting, and cannot be opened from the outside.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In constructing my lock, I first make a case, marked E in Figure No. 1. I then make a lever, marked D, with one or more flutes, marked *ffff*. At the lower end I make a journal, marked H. From journal H, I construct an arm, marked C, projecting toward the face of the lock F. I then place fluted lever D in case E, placing the journal H in a hole made in case E for that purpose, as shown in fig. 1. I then make a bolt, marked B, constructed with an upright shank, marked *m*. At the outer end of bolt B, I make one or more spurs, *s s*. On the upper end of shank *m*, projecting toward journal H, I construct a weight, A. On the side of the upper end of shank *m*, I make a journal, K. This bolt B, I place in case E, putting journal K in a hole made for that purpose in case E, as shown by figs. 1, 2, 3, and 4.

Figure 1 represents my lock with the cover taken off, and lever D and bolt B thrown back from sash G by means of knob L and shank *n*, as shown in fig. 4.

Figure 2 represents my lock when fluted lever D and bolt B are operating on the sash G.

I mortise my lock into the jamb of either side of the window, near the middle of the window, where the two sashes come together, the lower lock three inches below the middle of the sash, and the upper lock three inches above where the sashes meet. I make a hole in the front of the casing, and insert the spindle *n* through the casing and into the lock. Nothing is left to view but knob L. By turning the knob to the left, lever D is brought against sash G, and the sash G is forced against the opposite side of the window-frame, thereby holding both sides of the sash. When the lever D is brought against sash G, the weight A on bolt B is relieved, and it carries bolt B against the edge of sash G, the sash being at a point where it is desired to lock the window. There is a hole made in the edge of the sash G, and bolt B drops into it by the action of weight A, and locks the sash, so that it cannot be moved up or down. The spurs *s s*, by the weight of the sash, are forced into the wood at the top or upper side of the hole, and prevent the bolt B from being drawn except by slightly lifting the sash with the left hand, and turning the knob to the right with the right hand. This, by the action of arm C, lifts weight A and draws bolt B, leaving the sash free to move up or down.

Figure 3 represents my lock when fluted lever D is operating on sash G, and holding it while bolt B is pressing against the sash by means of weight A, ready to drop into the first hole that presents itself in moving the sash up or down.

Figure 4 represents my lock with the cover on, with knob L, and spindle *n*, and fluted lever D, and bolt B thrown out from sash, and inside of the case E, complete for use.

The lock is made either of brass or iron, or both, as shown in the drawings.

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

The combination of the weight A on the bolt B with the arm C on the lever D, operating together, substantially as and for the purpose herein specified.

I also claim one or more spurs, *s s*, on the upper edge of the bolt B, in combination with the mortises in the window-frame, with the said weighted bolt and the fluted lever D, operating substantially as described.

JOHN W. HANSEL.

Witnesses:

B. R. T. BOURLAND,  
EUGENE McCUNE.