F. A. Richardson,

Key Fastener.

No. 59,076. Patented Oct. 23, 1866.

Fig. 1

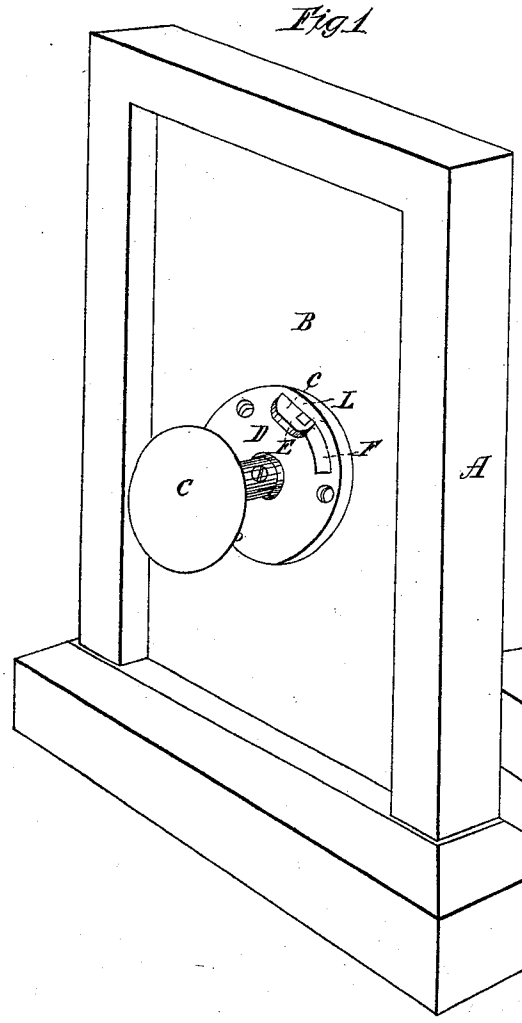
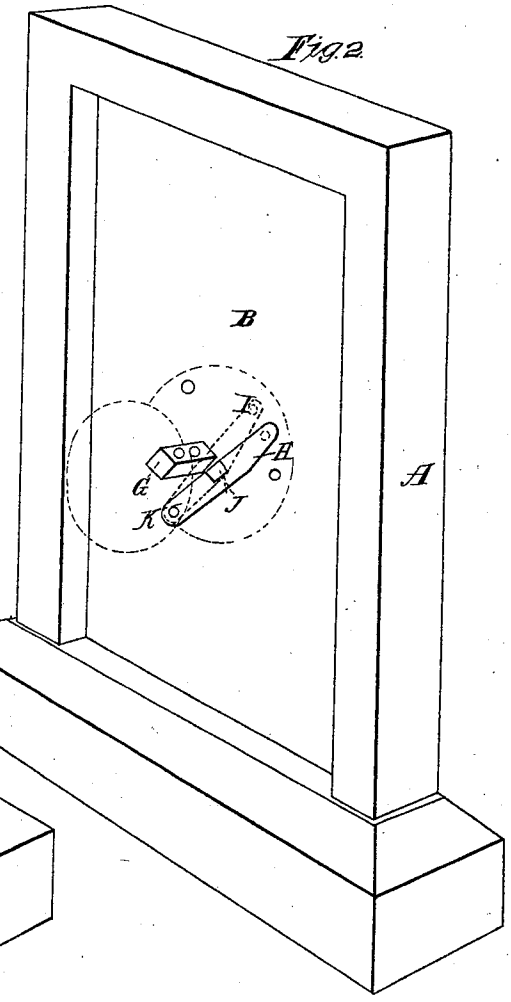


Fig. 2



Witnesses

Jervis Joslin

Chas. Woodruff

Inventor.

Francis A. Richardson

UNITED STATES PATENT OFFICE.

FRANCIS A. RICHARDSON, OF POULTNEY, VERMONT.

IMPROVEMENT IN STOP MORTISE-LATCH.

Specification forming part of Letters Patent No. **59,076**, dated October 23, 1866.

To all whom it may concern:

Be it known that I, FRANCIS A. RICHARDSON, of Poultney, in the county of Rutland and State of Vermont, have invented a new and useful Mortise-Latch Stop; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of a door to which my invention is attached, and showing the exterior construction of the same; and Fig. 2 is a similar view, showing the interior machinery of my said invention.

To enable others skilled in the art to which my invention relates to make and use the same, I will here describe its construction and operation, which is as follows, to wit:

A, Figs. 1 and 2, represents a common door-case, and B the inside of the door attached to the same; C, Fig. 1, a common door-knob connected with and operating a mortise-latch of the usual construction and operation. D, Fig. 1, is a metallic disk inclosing the knob-shaft and attached to the door by screws, in the usual manner. E, Fig. 1, is a stop-latch moving freely in the slot F, and containing two small notches or openings for the reception of the catch L. This stop-latch E is connected by a pivot, on which it turns freely, with the upper end of the movable bar or stop H, Fig. 2, and operates the same, as hereinafter described and set forth.

G, Fig. 2, is the square shaft connecting the door-knobs, and which operates the latch. H, Fig. 2, is a movable bar or stop, which may be made of any suitable material, and which is attached to the inside of the metallic disk D, Fig. 1, by the pivot K, on which it turns.

J, Fig. 2, is a square recess or notch in the movable bar or stop H, which is made of the proper size to receive and hold firmly the shaft G when the said stop is operated by the stop-latch E, as hereinafter described and set forth.

The operation of my invention is as follows: Suppose the position of the movable bar or stop H to be as represented in Fig. 2, the stop-latch E, Fig. 1, will be at the lower end of the slot F, and it will be easily perceived that on turning the knob C the knob-shaft G, Fig. 2, will turn freely, and thus operate the latch of the door; but if the door is closed, and it is desirable to prevent it from being opened, it is only necessary to move the stop-latch E along the slot F to the upper end of the same, and then turn the said latch so that by means of one of the little notches therein it will be held firmly by the catch L. This movement will operate the movable bar or stop H, and cause it to take the position shown at I, Fig. 2, when it will be seen that the square recess or notch J will inclose and firmly hold the knob-shaft G, so that the same cannot be turned, nor can the latch of the door be withdrawn from its socket in the casing, and consequently it will be impossible to open the door from the outside without breaking the latch.

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

The employment or arrangement of the stop-latch E, catch L, and slot or recess F, in combination with the movable bar or stop H, the whole being arranged and operated in the manner and for the purposes substantially as herein described and set forth.

In testimony whereof I have on this 19th day of February hereto set my hand.

FRANCIS A. RICHARDSON.

Witnesses:

NELSON H. EDDY,

JOHN P. HASKINS.