H. M. Flanagin,

Key Hole Guard.

No. 99,178. Patented Jan. 25. 1870.

Fig: 1.

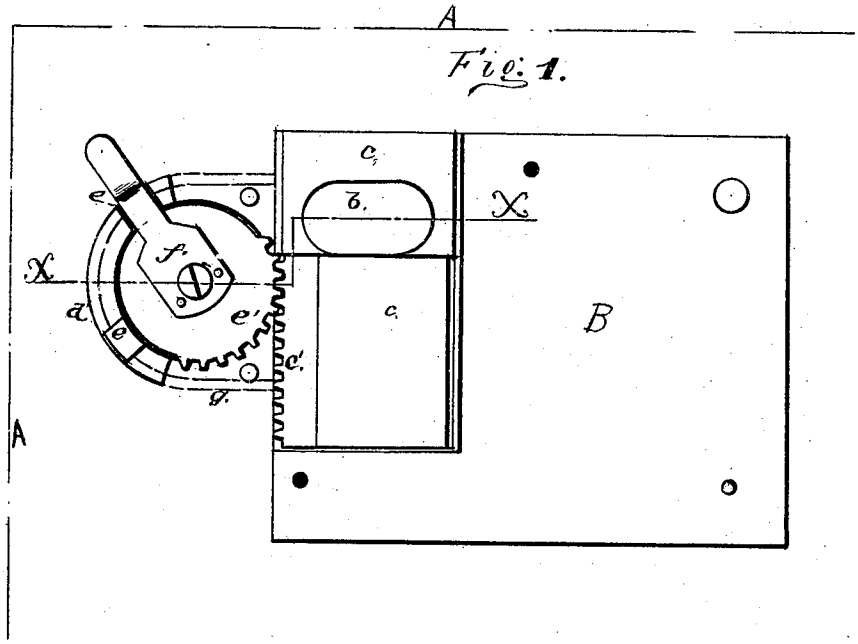
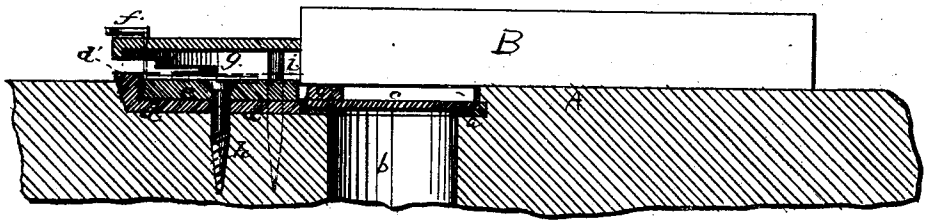


Fig: 2.



Witnesses:

J. Mattry

J. G. Clayton

Inventor:

H. M. Flanagin

by J. L. Clayton & Co.

Atty.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

HENRY M. FLANAGIN, OF PENN'S GROVE, NEW JERSEY, ASSIGNOR TO HIMSELF AND JOSEPH R. ELKINTON, OF SAME PLACE.

Letters Patent No. 99,178, *dated January* 25, 1870.

IMPROVEMENT IN KEY-HOLE GUARD AND PROTECTOR.

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, HENRY M. FLANAGIN, of Penn's Grove, in the county of Salem, and in the State of New Jersey, have invented a certain new and useful "Independent Key-Hole Guard for Door-Locks;" 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, in which—

Figure 1 is a sectional plan view of the invention.

Figure 2 is a sectional elevation, through the line *x x* of fig. 1.

The nature of my invention consists in the combination of the sliding protection-plate, as constructed and operating, with the bed-plate and key-hole lining or bushing, as hereinafter described.

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

In the construction of my invention—

The lines A A indicate a section of the door, to which the lock B is attached, in fig. 1. I do not claim any improvement in the lock.

a is a chilled bed-plate, to which is attached the bushing or lining of the key-hole *b*. These parts can be cast solid, in one piece, and are let in the door from the inside, by removing the lock.

The upper and lower edges of the bed-plate *a* have projections raised, as guards for the sliding protection-plate *c*. This protection-plate is also hardened, to prevent being drilled through from the outside.

On the lower edge of this plate is attached a ratchet, *c'*. This ratchet I contemplate to be cut in the lower edge of the plate *c*, and thus avoid making a separate piece. On the upper edge it is raised, so as to act as a guard or slide against the lock. These parts are within the door, and under or behind the lock.

d is a bed-plate, of circular form, to the outer side of which is a projection of an eighth of an inch, and a plate, *d'*, of a quarter of an inch, and resting on the door, in which are two slots, *e e*, for holding the spring-lever in position, as required.

e' is a wheel, with cogs on its upper edge, extending about one-third of the circumference of the wheel.

This wheel has attached to it a spring-lever, *f*, and rests on the plate *d'*, and is used to revolve the wheel *e'*, which wheel is snugly set within and on the base-plate *d*, which plate *d* is let into the door below plate *c*, and is secured to the door by a screw passing through the centre of the wheel and bed-plate, as seen in fig. 1.

A cap, *g*, as seen in fig. 2, is set over the wheel and bed-plate, to protect the same, and is secured by screws to the door, as also seen in fig. 2.

I may find it convenient to dispense with the wheel *e'*, and make an arc of a circle to the upper end of lever *f*, having cogs in it, as seen, in the wheel, and thus lessen the expense of the same.

In fig. 2, like letters designate like parts of the invention as in fig. 1.

In the operation of my invention, in order to attach the same to the door, the lock is removed, and the door cut out, to admit plate *a* and key-hole lining *b*, which are secured in place by screws; plate *c* is then inserted on bed-plate *a*, between the guards of said plate. The bed-plate *d* is let into the door below said bed-plate *a*. The wheel *e'*, with lever *f*, is let into said bed-plate *d*, and fastened, by the screw *h*, to the door. The cap *g* is then put on and fastened with screw *i*; the cogs in wheel *e'* fitting into the cogs on plate *c* or ratchet *c'*, and the lock is then put in its place, and fastened by its screws to the door, and the invention is complete.

When it is desired to prevent entrance, it is only necessary to move the spring-lever *f* to the right hand, and the wheel with its cogs catching into the cogs or ratchet on plate *e*, slides it over the key-hole, and completely covers it, and prevents the insertion of a key, or taking hold of the key with nippers from the outside; the spring-lever then falls into the slot *e*, on the right-hand side, and thus prevents the moving of the plate covering the key-hole from the outside.

To remove the plate *c*, and open the key-hole, move the lever *f* to the left hand, and the slide is thrown back under the lock, and the lever catches into the slot on the left hand, and the door can be unlocked.

That portion of the cover *g* that is directly above the sweep of the lever *f*, is cut away to allow the lever to slide freely, and to hold it in its place in being moved.

The invention can be used on any door by reversing the bed-plate, whether right or left-hand doors.

I am aware that sliding plates to cover the key-hole are not new, therefore, I do not claim, broadly, such plate.

Having thus described my invention,

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

1. The bed-plate *a*, with key-hole lining *b*, and sliding protection-plate, in combination with the door lock B, substantially as described, and for the purposes set forth.

2. The wheel *e'*, with lever *f*, or its equivalent, plates *d* and *d'*, and cap *g*, in combination with sliding protection-plate *c*, substantially as described, and operating as and for the purpose set forth.

In testimony that I claim the above-described certain new and useful "independent key-hole guard for door-locks," I have hereunto signed my name, this 6th day of January, 1870.

Witnesses: HENRY M. FLANAGIN.

V. C. CLAYTON,

T. G. CLAYTON.