

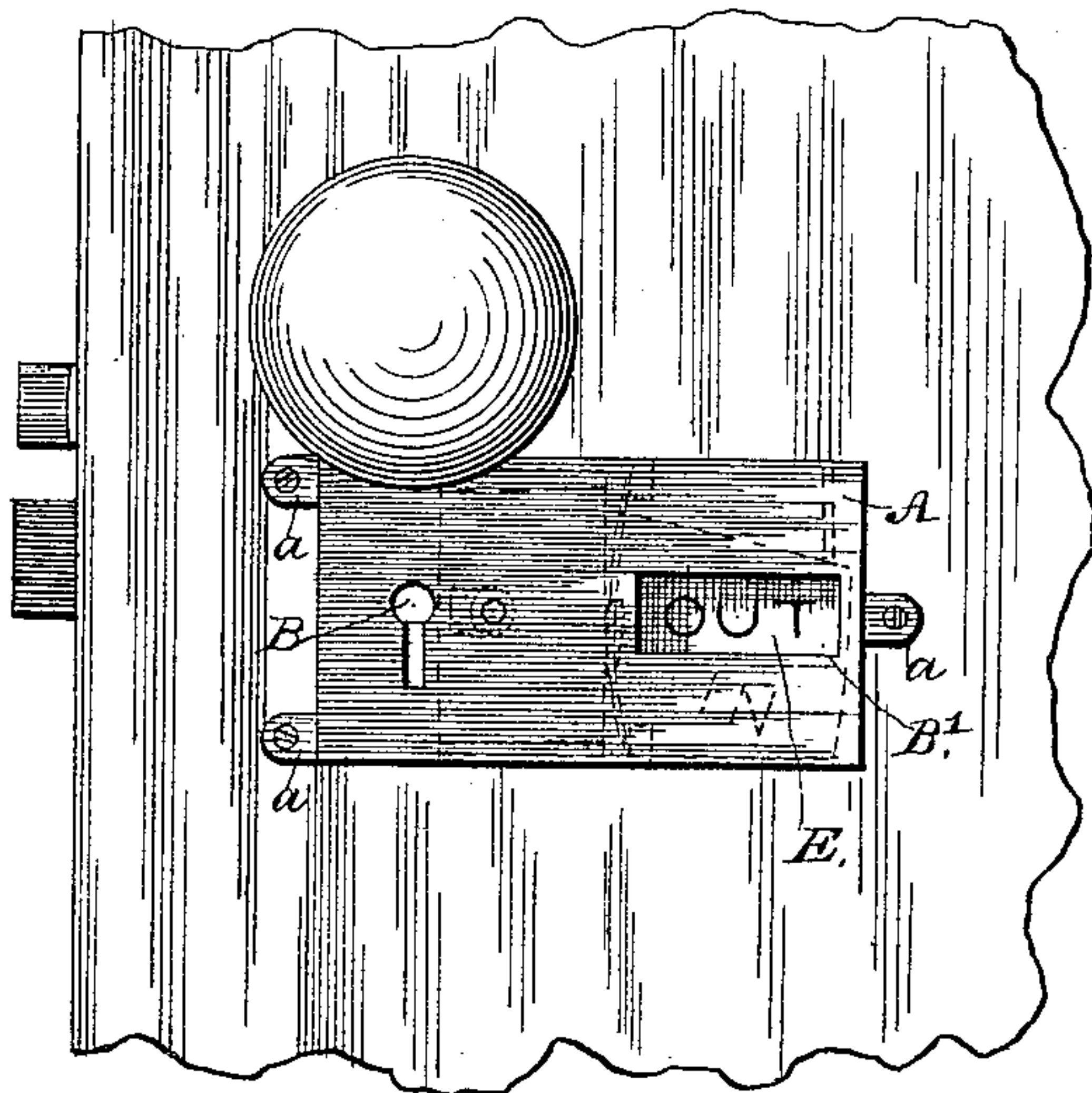
(No Model.)

C. F. GREEN.  
INDICATOR LOCK.

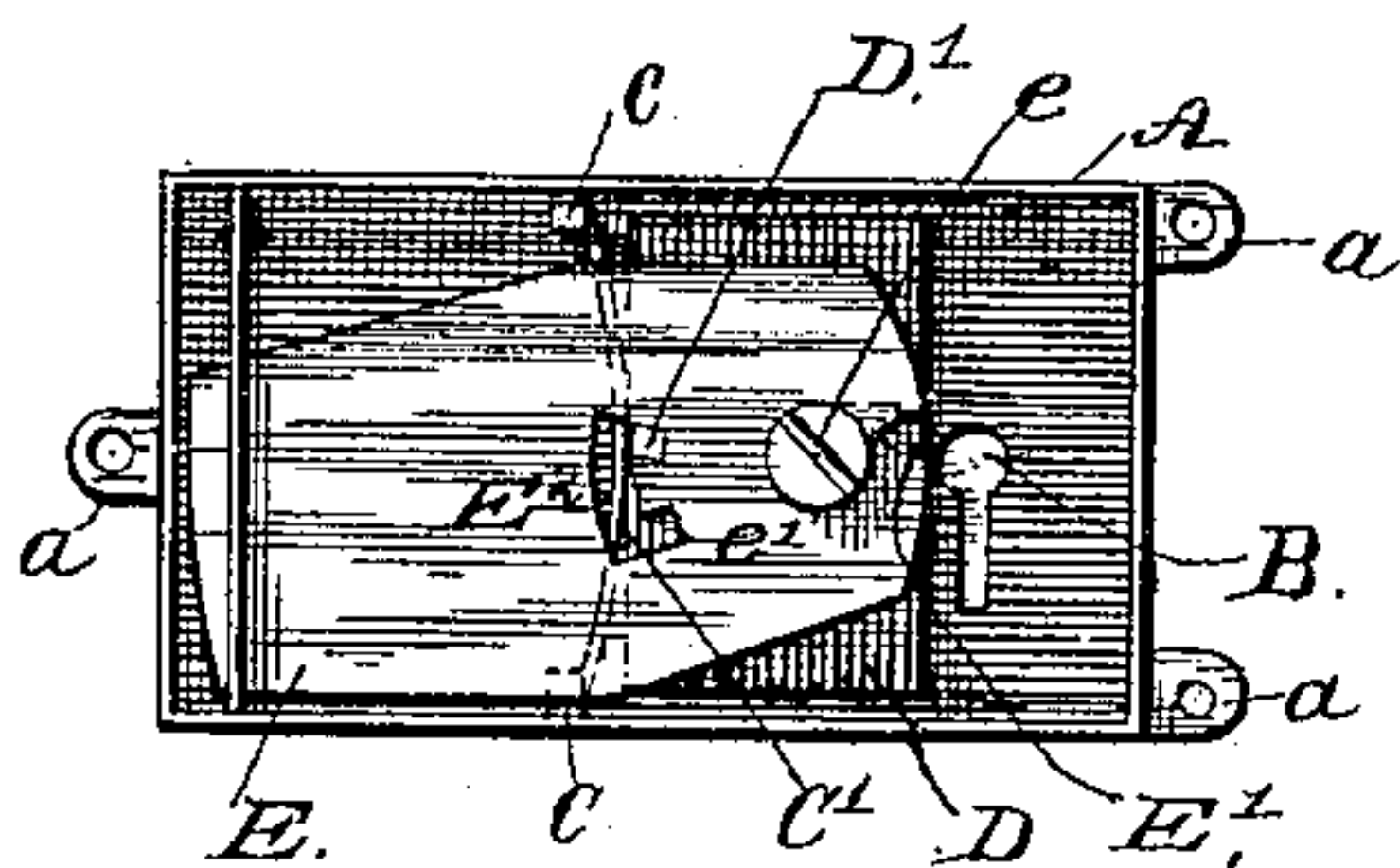
No. 353,557.

Patented Nov. 30, 1886.

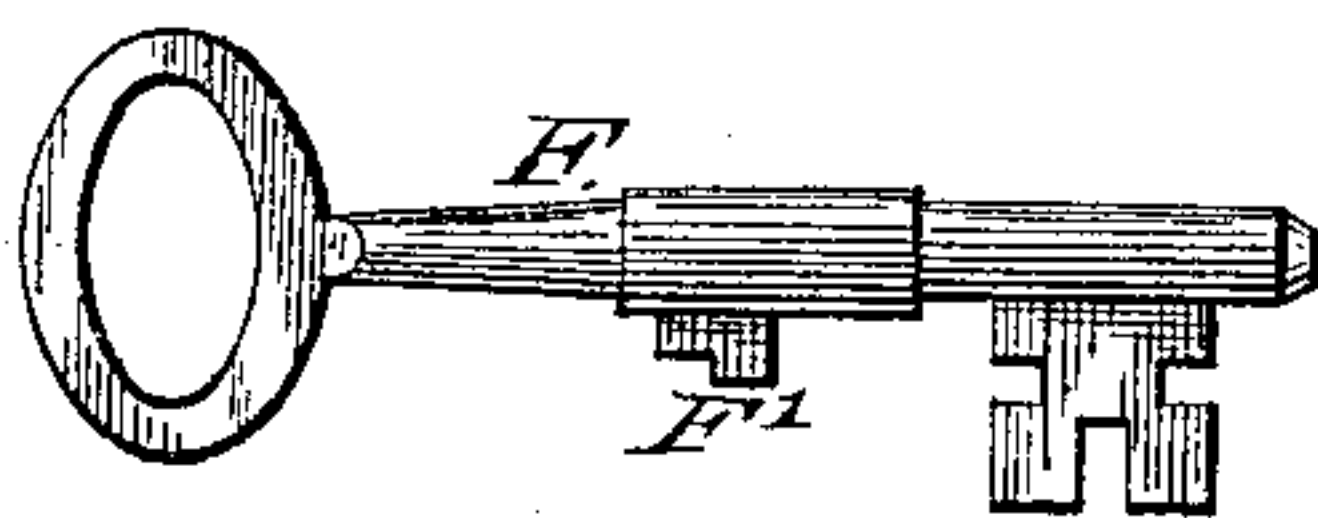
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses

*R. W. Bishop.*

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Inventor  
*Chas. F. Green*

By his Attorney

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# UNITED STATES PATENT OFFICE.

CHARLES F. GREEN, OF HAMPTON, VIRGINIA.

## INDICATOR-LOCK.

SPECIFICATION forming part of Letters Patent No. 353,557, dated November 30, 1886.

Application filed June 14, 1886. Serial No. 205,117. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES F. GREEN, a citizen of the United States, residing at Hampton, in the county of Elizabeth City and State of Virginia, have invented certain new and useful Improvements in Indicator-Locks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My present invention has relation to improvements in indicator-locks; and it consists in certain novel features of construction shown in the accompanying drawings, as will be hereinafter fully described and claimed.

In the drawings, Figure 1 is a side elevation of my device as it appears in position on a door. Fig. 2 is a rear elevation of the same; and Fig. 3 is a detail view of the key.

Referring to the drawings by letter, A designates the casing of my indicator, which is secured to the door by means of screws or nails passed through ears *a*, formed on the casing. This casing A is made of an oblong shape, and is provided near one end with a key-hole, B, and near its opposite end with a slot, B', through which the signal-plate may be viewed. On the rear side of the casing I provide two lugs, C C, which serve as rests for a spring, C', placed between them and a sliding block, D. This block D is provided with a pin or lug, D', on its rear side at the edge farthest from the key-hole, which locks the signal-plate, as will be presently explained. The sliding block D is also provided with a slot (shown in dotted lines in Fig. 1) near the edge opposite the lug D', through which the pivot-screw *e* of the signal-plate E passes. The signal-plate is made approximately diamond-shaped, and its ends are formed in the arcs of circles. It is pivotally supported near one end by the screw *e*, which passes through a screw-hole therein. The other end of the plate is provided with characters which indicate whether the door is locked or unlocked, and these characters are displayed through the slot B' in the casing. The pivoted end of the signal-plate is provided with a notch, E', which is engaged by a lug on the key in the operation of the device.

I also provide the signal-plate with a slot, E<sup>2</sup>, having notches *e'* at its ends. The slot E<sup>2</sup> is formed in the arc of a circle, and the notches *e'* are within the circle. In the operation of the device the lug D' on the sliding block D engages one or the other of these notches, as will be hereinafter described.

The key F is provided with an L-shaped lug, F', which acts upon and operates the sliding locking-block D and the signal-plate E. The key being inserted in the lock in proper position, the sliding block will rest in the angle of the L-shaped lug, and the projecting arm of the said lug will engage the notch in the edge of the signal-plate. Upon turning the key the door-lock is operated in the usual manner, and the lug F' will push the sliding block against the spring C', disengaging the lug D' from the notched curved slot E<sup>2</sup>, when the signal-plate will be free to act. Further rotation of the key will cause the signal-plate to be turned by the lug F' working in the notch E'. The spring C' will continuously act upon the sliding block and will cause the lug D' to enter the notch at the opposite end of the slot, from which it can be disengaged only by turning the key in the reverse direction.

From the foregoing description it will be seen that I have provided an indicator-lock in which the signal-plate is locked in the proper position to correctly indicate whether the door is locked or unlocked, and is also held against all accidental displacement.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with the casing, of a signal-plate pivotally supported within the casing and having a curved slot with notched ends, a sliding locking-block having a lug which engages the notched ends of the curved slot in the signal-plate, and a spring secured within the casing and acting on the sliding block to hold it in engagement with the signal-plate, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES F. GREEN.

Witnesses:

R. W. BISHOP,  
H. J. ENNIS.