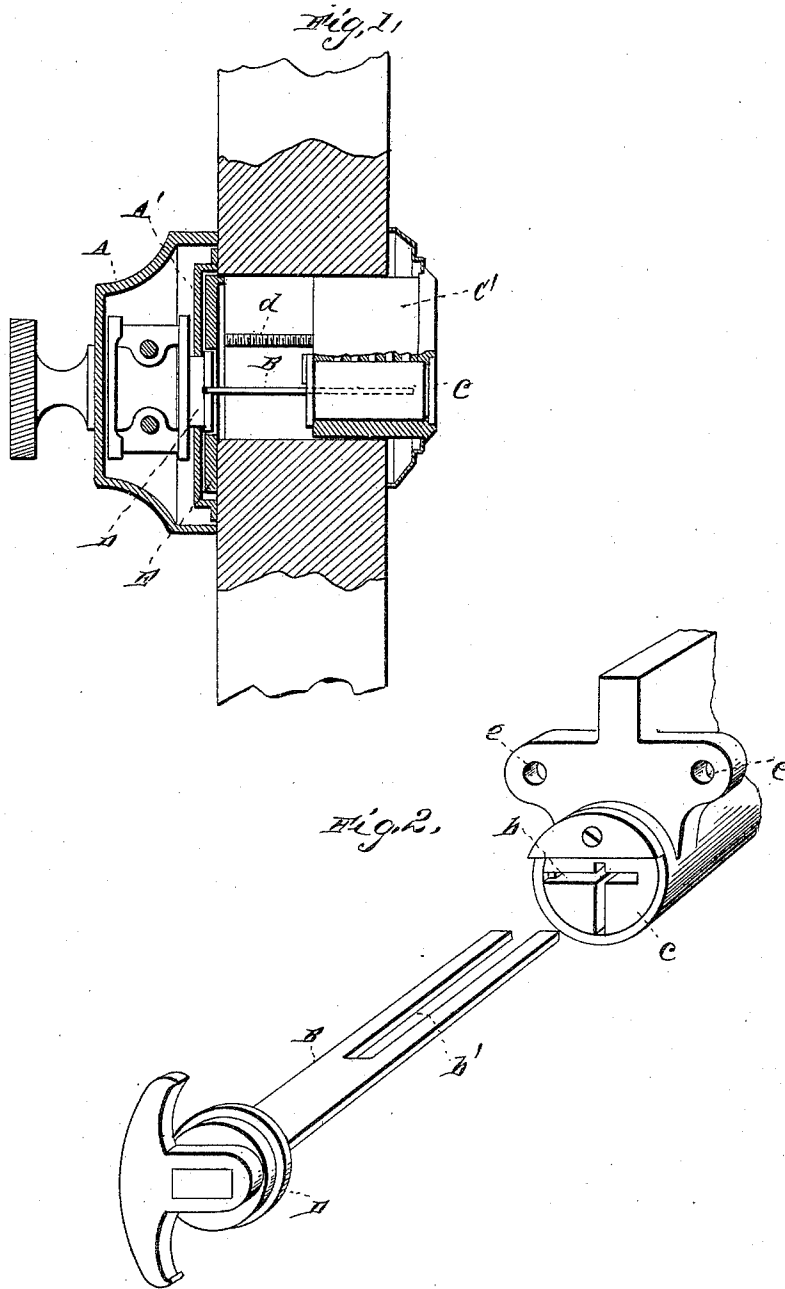


(No Model.)

F. B. CASE & J. SCHADE.  
CYLINDER LOCK.

No. 464,853.

Patented Dec. 8, 1891.



Witnesses  
*Chas. F. Taylor*  
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# UNITED STATES PATENT OFFICE.

FRANK B. CASE AND JOHN SCHADE, OF BROOKLYN, NEW YORK.

## CYLINDER-LOCK.

SPECIFICATION forming part of Letters Patent No. 464,853, dated December 8, 1891.

Application filed January 26, 1891. Serial No. 379,151. (No model.)

*To all whom it may concern:*

Be it known that we, FRANK BELL CASE and JOHN SCHADE, citizens of the United States, and residents of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Locks; and we 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 letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a vertical section, and Fig. 2 is a detail view.

This invention relates to certain improvements in door-locks; and it consists in the novel construction and combination of parts, as hereinafter disclosed.

In the drawings, A refers to the lock-case, of the usual construction, as is also the contained lock mechanism.

B is a thin plate-like bar reaching through the opening of the door provided for the reception of the tumbler-cylinder and connecting, as presently described, with the cap-plate of the lock-case and engaging the key-plug contained in said cylinder to provide for the attachment of the same to doors of different thicknesses without requiring nicety of adjustment in fitting the parts to the door.

The bar B is secured at one end in a slot in the roll-back D, turning in the cap-plate A' of the case and adapted, as usual, to operate the roll-back actuating the bolt through the usual connection.

The bar B, in order to provide for its adjustability for the purpose aforesaid, is fitted to slide in a longitudinal slot *b* in the key-plug *c*, the bar itself having only a narrow slot *b'* for the passage therethrough of the tumblers.

The angular escutcheon-plate E, let into an angular depression of the cap-plate A' of the

lock-case, is connected to the tumbler-cylinder C' by ordinary or continuously-threaded screws *d*, countersunk in said plate E and engaging openings in lugs *e* in said cylinder or barrel. This construction effects the proper connection between the tumbler-cylinder and the cap-plate.

We are aware that it is not new to employ a connecting-bar notched at certain points throughout its length to permit the breaking off of the same in adjusting it according to the thickness of the door, and that the connecting-bar has heretofore been adjustably applied to the tumbler-cylinder, to effect which, however, the bar was required, because fitted upon the outside thereof, to be cut away so as to greatly weaken it.

We are further aware of Patent No. 277,295, which shows a slotted connecting-bar; but this bar is not secured to the roll-back and a clamping device is necessary to hold the bar to its proper adjustment and prevent it from falling out of engagement with said roll-back.

We are also aware of Patent No. 414,720; but the connecting-bar in the construction therein shown is not secured to the roll-back.

Having described this invention, what we claim, and desire to secure by Letters Patent, is—

In a lock, the combination, with the cap-plate of the lock and the roll-back, of a slotted bar permanently secured at one end to said roll-back and at the opposite end sliding in a transverse longitudinal slot in the key-plug, whereby said bar is capable of automatic adjustment to different thicknesses of doors, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

FRANK B. CASE.  
JOHN SCHADE.

Witnesses:

GEO. C. DEMERETT,  
EGBERT S. MOTT.