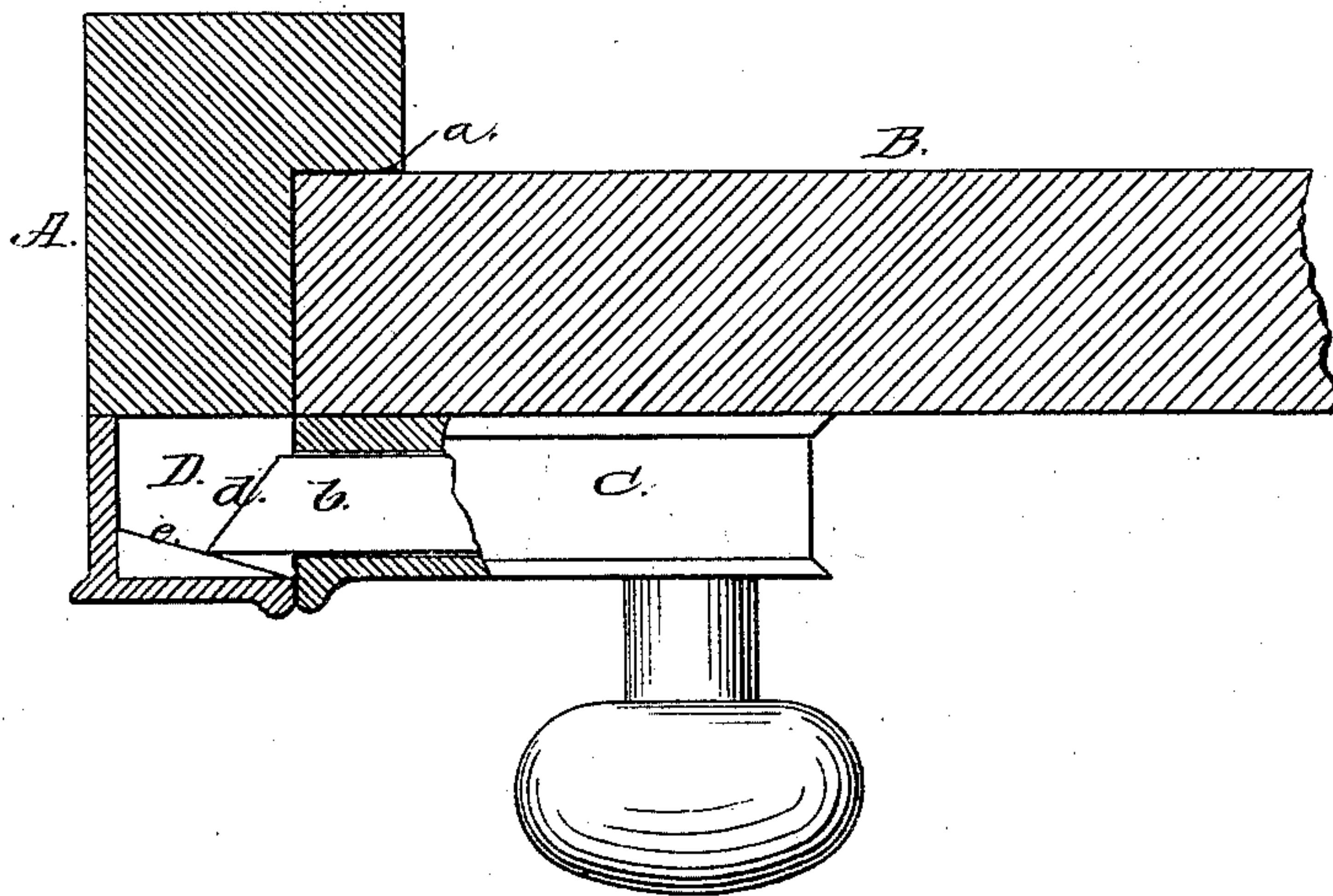


(Model.)

H. FELLOWS.
Lock Strike.

No. 232,954.

Patented Oct. 5, 1880.



WITNESSES

Mary S. Utley.
J. J. Mason.

INVENTOR

Henry Fellows.
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UNITED STATES PATENT OFFICE.

HENRY FELLOWS, OF BLOOMINGTON, INDIANA.

LOCK-STRIKE.

SPECIFICATION forming part of Letters Patent No. 232,954, dated October 5, 1880.

Application filed June 12, 1880. (Model.)

To all whom it may concern:

Be it known that I, HENRY FELLOWS, of Bloomington, in the county of Monroe and State of Indiana, have invented a new and valuable Improvement in Catches for Bolts and Latches; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

The drawing is a representation of a horizontal section of a door and casing, showing my improved catch applied.

This invention has relation to improvements in catches for lock-bolts and latches.

The object of the invention is, mainly, to secure the engagement of the spring-bolt with the catch and at the same time press the door against the jamb, thus preventing rattling and excluding cold air.

The nature of the invention will be hereinafter fully set forth.

In the annexed drawing, the letter A designates the door-case, and B the door, hinged thereto and bearing, when closed, on a shoulder, *a*, of said frame.

C indicates the lock secured to the door, and designed to engage, with its spring-bolt *b*, the catch D. This is of box form, and the bolt *b* engages therewith by coming in contact with its beveled face *d* on its adjacent edge. Within the catch is an inclined bearing, *e*, beveled oppositely to the face *d* of the bolt, the effect of which, in connection with the said bolt, is as

follows: The door closing only when the bolt is thrust in the lock past the edge of the catch, and being engaged with the same by the reaction of the spring inside of the lock, it follows that the end of said bolt comes in contact with the inclined bearing *e*, which, acting as a wedge, presses the door inward against its bearing strip or shoulder *a*, and both prevents rattling and the admission of air into the room.

It is well known that when the lock and catch are close together or in contact the bolt fails to engage the catch very often, and the door is really open when supposed to be shut. To correct this defect the lock must be set back from the catch, or the reverse, which allows the door to rattle. The inclined bearing corrects this defect, and in addition forces the door against its bearing-strip and excludes air.

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

The combination, with a door-case and the catch D, having the beveled or inclined bearing *e* within the said catch, of the door B and the lock C, having the spring-bolt *b*, engaging said bearing automatically, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HENRY FELLOWS.

Witnesses:

HARRY W. DURAND,
WM. M. TATE.