Sept. 10, 1929. J. E. BARTLETT 1,727,323

DOOR LOCK ATTACHMENT

Filed Jan. 3, 1928

Fig. 1.

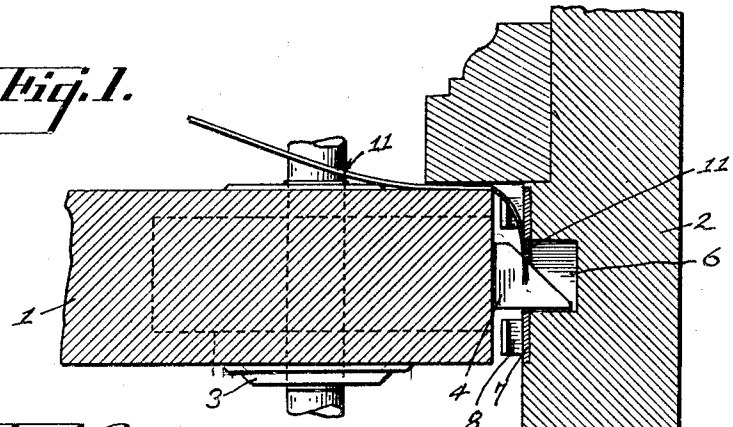


Fig. 2.

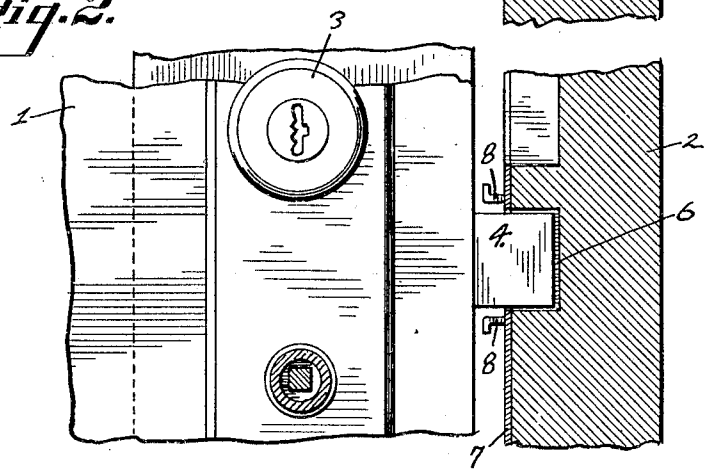


Fig. 3.

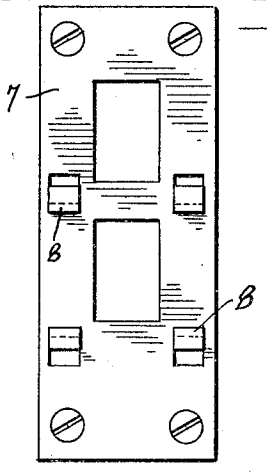
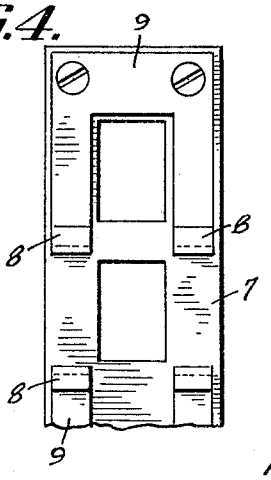


Fig. 4.



INVENTOR
JOHN E. BARTLETT
BY Arthur L. Slee.
ATTY.

Patented Sept. 10, 1929. 1,727,323

UNITED STATES PATENT OFFICE.

JOHN E. BARTLETT, OF SAN FRANCISCO, CALIFORNIA.

DOOR-LOCK ATTACHMENT.

Application filed January 3, 1928. Serial No. 244,181.

My invention relates to improvements in attachments for locks of the type wherein a slidable spring bolt is arranged to extend between the sash and jamb of a door or the like to prevent the manipulation and unauthorized opening of the lock by an instrument inserted between the sash and jamb.

In mounting swinging doors and the like, a considerable clearance is commonly left between the edges of the door sash and jamb to provide for possible swelling or expansion and to permit the free swinging of the door. This clearance is frequently greatly increased by the shrinking of the door sash after the door is hung. Locks are commonly mounted upon the door sash, said locks being provided with slidable bolts arranged to extend from the edge of the sash into a recess formed in the adjacent jamb, a striker plate being mounted upon the jamb to protect said jamb from injury and marring of the jamb by the bolt. It has been found that such bolts, particularly bolts of the beveled latch type such as provided upon spring locks, night latch locks, and the like, may be readily manipulated and the door unlocked by inserting a strip of thin flexible material, such as celluloid, between the sash and jamb, the flexible material being such that it can be worked around the corner between the sash and jamb through the clearance commonly allowed, a practiced manipulation of the flexible strip operating to force back the bolt and permit the unauthorized opening of the door.

The present invention is directed to an improved device which will prevent a lock bolt from being engaged and manipulated in the above manner, the primary object being to provide an improved attachment which will effectually prevent the insertion of an instrument into prying engagement with the bolt.

Another object is to provide an improved device of the character described which may be easily and quickly applied and which may be used with many types of locks.

A further object is to provide a device which may be installed in connection with previously installed locks without effecting the operation of the lock and without altering the appearance of the door or lock.

A still further object is to provide an improved device which can be manufactured at a nominal cost and which can be simply installed.

I accomplish these and other objects by means of the improved device disclosed in the drawings forming a part of the present application wherein like characters of reference are used to designate similar parts throughout the specification and drawings, and in which—

Fig. 1 is a horizontal section view of a portion of a door sash and jamb showing my attachment applied thereto;

Fig. 2 is a broken side elevation partly in vertical section of the sash and jamb with the attachment as shown in Fig. 1;

Fig. 3 is a front elevation of the preferred form of my attachment; and

Fig. 4 is a broken front elevation of a modified construction of the device.

Referring to the drawings, the numerals 1 and 2 are used to designate in general the sash and jamb respectively of a door. A lock, designated in general by the numeral 3, is installed in the sash 1 in the ordinary manner, said lock being of any ordinary construction provided with a locking bolt 4 arranged to extend into engagement with a recess 6 formed in the jamb 2 opposite said lock and bolt. A striker plate 7 is mounted upon the face of the jamb 2 to protect said jamb from injury by the bolt in the ordinary manner.

Stops 8 are rigidly mounted between the jamb 2 and the sash 1, said stops being arranged to extend substantially across the clearance between the jamb and the sash 1 adjacent the bolt 4. In the preferred construction, the stops 8 are formed integrally with the striker plate 7 by striking out portions of the plate and shaping said portions to form extensions extending outwardly at substantially right angles to the face of the plate 7. The outer ends are preferably bent away from the bolt 4 at substantially right angles to the outwardly extending portions of the stop. The stops 8 are preferably formed at each side of the bolt 4 adjacent the upper and low-

er edges thereof. If desired, the stops 8 may be formed upon a separate plate 9 as shown in Fig. 4, said plate 9 being arranged to be secured between the sash and the outer face of the striker plate 7.

The striker plate 7 disclosed in the drawings is of the type used for double bolt door locks wherein a slidable bolt is provided in addition to the ordinary spring latch bolt. As only the spring latch bolt can be readily manipulated, the stops 8 are formed adjacent this bolt only. In the modified construction shown in Fig. 4, the plate 9 is made in a U shape to permit the movement of the upper bolt therethrough, the stops 8 being formed upon the ends of the arms of the U.

In operation, the stops 8 guard the edges of the bolt 4 so that a flexible instrument 11, such as a strip of celluloid or the like, such as might be bent around the corner of the sash as shown in Fig. 1, cannot be worked up or down against the beveled edge of the bolt 4 to force the same back within the door lock. By placing the stops upon both sides, as well as above and below the bolt, the bolt is guarded against engagement even though the instrument be placed at an angle such that a single stop upon either side of the bolt might be avoided, the arrangement of the stops in pairs operating to insure that the instrument will be engaged and prevented from contacting with the bolt. The outer ends of the stops, being turned away from the bolt, form hooks, constituting obstructions preventing the instrument from being worked past the stops.

While I have illustrated and described only in the preferred forms, the device is obviously subject to modification in various ways without departing from the spirit of my invention. I therefore do not wish to restrict myself to the specific forms and arangement shown, but desire to avail myself of all modifications which may fall within the scope of the appended claims.

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

1. An attachment for door locks comprising a plurality of stops mounted between the sash and jamb of a door adjacent a slidable locking bolt said stops having hook shaped ends turned away from the bolt to prevent manipulation of the bolt by an instrument inserted between the sash and jamb.

2. An atttachment for door locks comprising a plate arranged to be secured upon a door jamb opposite a lock mounted upon the edge of a door sash; and spaced extensions formed upon said plate and arranged to extend substantially across the clearance between the sash and jamb above and below the bolt of the lock, the ends of said extensions being turned at substantially right angles away from the bolt to prevent manipulation of the bolt by an instrument inserted between the sash and jamb.

In witness whereof, I hereunto set my signature.

JOHN E. BARTLETT.