Jan. 15, 1924. 1,480,650

W. D. BACON

MEANS FOR PREVENTING THE TURNING OF CYLINDER AND LIKE LOCKS

Filed Jan. 6, 1922

Fig. 1.

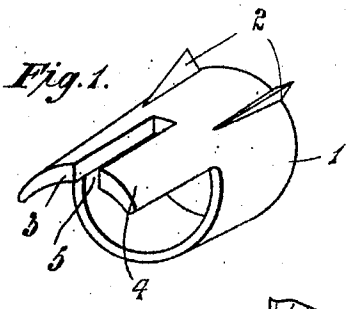


Fig. 3.

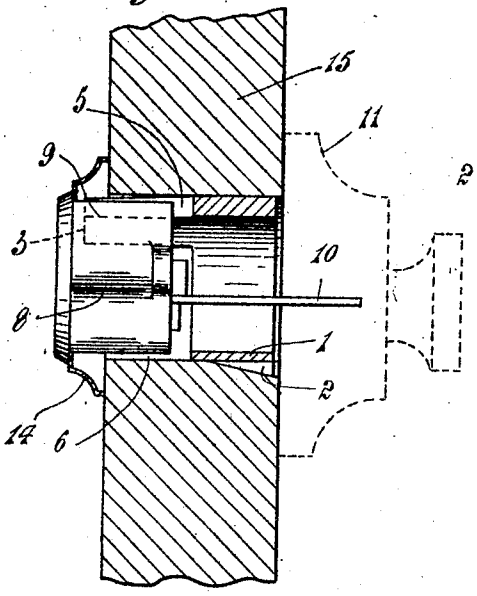
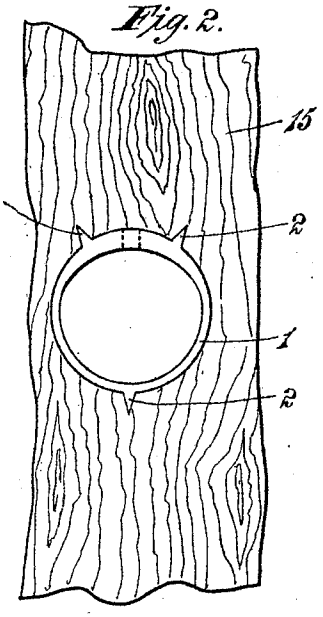


Fig. 2.



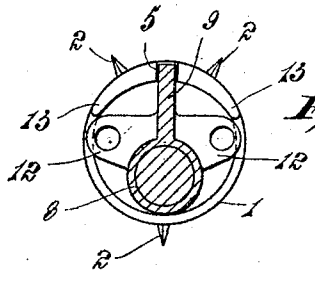


Fig. 4.

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UNITED STATES PATENT OFFICE.

WILLIAM DANIEL BACON, OF WELLINGTON, NEW ZEALAND.

MEANS FOR PREVENTING THE TURNING OF CYLINDER AND LIKE LOCKS.

Application filed January 6, 1922. Serial No. 527,494.

To all whom it may concern:

Be it known that I, WILLIAM DANIEL BACON, a subject of the King of Great Britain and Ireland, residing in Kilbirnie, in the city of Wellington, in the Dominion of New Zealand, have invented new and useful Improvements in Means for Preventing the Turning of Cylinder and like Locks; and I do hereby declare the following to be a full, clear, and exact description of the same.

This invention relates to means for preventing the turning of cylinder locks of such types as the Yale night latches, and relates particularly to those means in which a separate element is provided to engage the wood-work of the door and containing a slot or shaped opening in which a portion of the lock engages.

My invention will now be described with the aid of the accompanying drawings, wherein:—

Figure 1, is a perspective view of the device.

Figure 2, is an end view of the device, from the inside of a door.

Figure 3, is a sectional elevation of a door and of the device showing the body of the lock inserted therein.

Figure 4, is an end view of the device showing the lock in position.

The device consists of an annular wall 1, cylindrical or approximately in shape, and having fins 2 projecting radially from the outer periphery of the wall in order to bite into the wood-work 15 of the door. A portion of the annular wall 1 extends forwardly and forms prongs 3 and 4, the space between such prongs forming a slot 5.

When the usual round hole 6 is bored in the door 7 the device is inserted into the hole from the side of the door opposite to that in which the body of the lock 8 is to be inserted. The lock 8 is then inserted from the opposite side of the door the spring container 9 of the lock engaging in the slot 5 between the prongs 3 and 4 of the plug, the connecting latch bar 10 of the lock being passed through the annular wall 1. The usual plate and screws are now inserted over the latch bar 10 and the remainder of the lock, indicated at 11, inserted upon the door in the usual manner. When the usual ring 14 is employed the prongs 3 and 4 may extend into such ring and if the door is thicker than the length of the plug, such plug may be driven further into the door until the prongs project sufficiently to engage the spring container 9.

It will be seen that the ordinary circular hole that is bored in the wood-work to receive the lock may be used without using any tools to vary the shape of such hole, the plug being simply driven in with an ordinary hammer or mallet.

It will also be seen that since the spring container 9 engages the slot 5 the lock cannot be turned without turning the annular wall which will not turn without either shearing the fins or tearing the adjacent wood of the door. It will also be noticed that the lugs 12 of the lock will also bear against the edges 13 of the prongs should turning of the lock be attempted.

If desired, the annular wall and the prongs 3 and 4 may be made slightly tapered to facilitate the insertion of the plug into the hole. The fins are also tapered, the edges thereof being made more or less sharp, and preferably finish slightly behind the front edge of the wall so that the device can be more easily and accurately entered into the hole.

What I claim is:

1. The combination with a door having an opening therein, a lock secured to said door, said lock comprising a latch bolt and spring container, of a keeper comprising a cylindrical body portion adapted to be seated within said opening, prongs extending from one end of said cylindrical body portion and adapted to project on each side of said spring container and fins projecting radially from the outer periphery of said cylindrical body portion.

2. The combination with a door having a lock opening therein, a lock extending within one end of said opening, a latch bolt arranged at the opposite end of said opening and a latch bar connecting said lock and latch bolt, of a keeper adapted to prevent the rotation of said lock and extending within said door opening from the end thereof over which is arranged the latch bolt, said latch bar being adapted to extend through said keeper, a ring positioned between said door and lock and one end of said keeper adapted to project within said ring.

3. In a device of the character described, comprising a cylindrical sleeve having an outer tapered periphery, a pair of spaced

prongs formed with one end of said cylinder and providing a slot therebetween, the outer face of said prongs being tapered and contiguous with the outer periphery of said cylindrical sleeve, radially extending tapered fins formed with the periphery of said sleeve and said fins being tapered in an opposite direction to the taper of said sleeve.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM DANIEL BACON.

Witnesses:
SYDNEY H. HIGGS,
NORA MUIR.