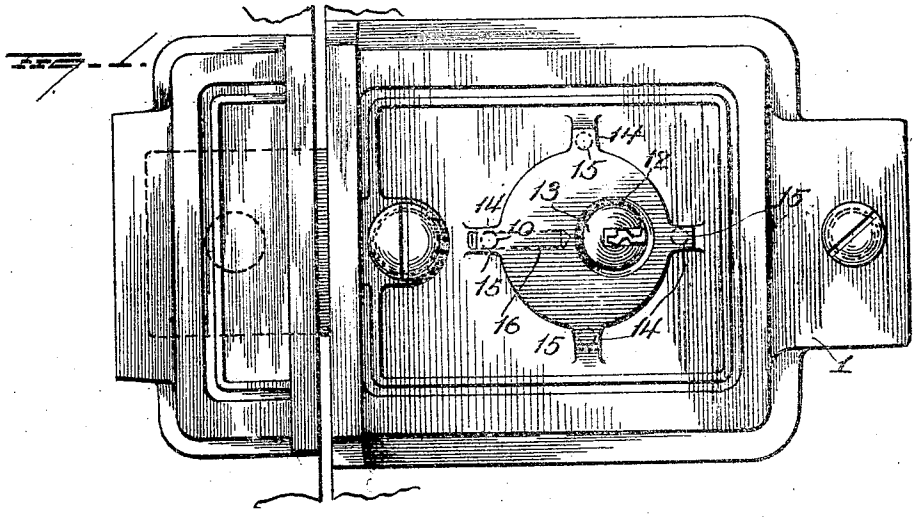
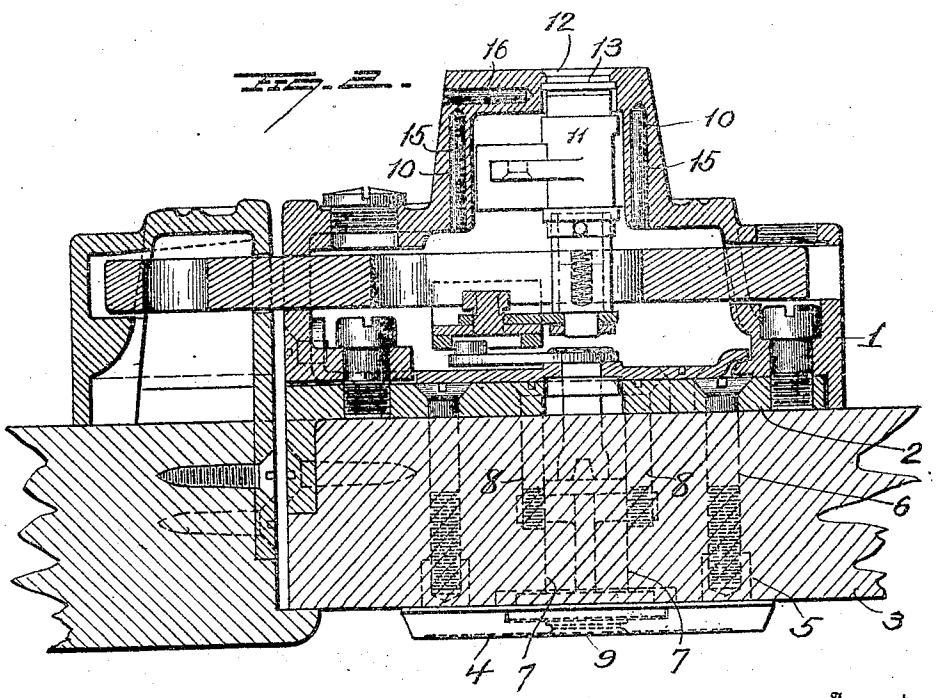
March 30, 1926. 1,579,126

M. C. MAXWELL

LOCK

Filed Sept. 7, 1923





Inventor

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By Seymour & Bright

Attorneys

Patented Mar. 30, 1926. 1,579,126

UNITED STATES PATENT OFFICE.

MAXWELL C. MAXWELL, OF STAMFORD, CONNECTICUT, ASSIGNOR TO THE YALE & TOWNE MANUFACTURING COMPANY, OF STAMFORD, CONNECTICUT.

LOCK.

Application filed September 7, 1923. Serial No. 661,487.

To all whom it may concern:

Be it known that I, MAXWELL C. MAXWELL, a citizen of the United States, and resident of Stamford, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Locks; and I do hereby 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.

This invention relates to improvements in locks and more particularly to means whereby a lock of the cylinder type is armored,—one object of the invention being to so armor a housing in which the cylinder lock is contained that drilling of the pins of the lock shall be prevented, so that sawing off the housing from its supporting member shall be guarded against, and to provide armor means whereby the plug of the lock shall be protected.

With this and other objects in view, the invention consists in certain novel features of construction as hereinafter set forth and pointed out in the claims.

In the accompanying drawings,—

Figure 1 is a face view of a lock structure in which my improvements are embodied, and

Figure 2 is a sectional view.

In the embodiment of my invention shown in the drawings, a rim lock casing 1 is secured to a reinforcing plate 2 disposed against the inner face of a door 3. A hardened steel escutcheon or guard plate 4 is placed against the outer face of the door and provided with bosses 5 entering the wood of the door, said bosses being internally threaded for the reception of bolts 6 which pass through the door and secure the escutcheon or guard plate 4 against the door and to the reinforcing plate 2 on the inner face of the door. A cylinder lock 7 is located in a suitable opening in the door and is secured to the reinforcing plate 2 by means of bolts 8. The escutcheon plate 4 is recessed to receive the head portion of the cylinder lock and in the opening in said plate 4 which aligns with the plug of the cylinder lock 7, a hardened steel armor disk 9 is mounted to protect said plug against drilling.

The rim lock casing 1, which is preferably made of malleable iron, is provided with an integral enlargement forming a housing 10 which receives an inner cylinder lock 11. This housing is provided with an opening 12 in line with the plug of the lock 11 and in this opening a hardened steel armor disk 13 is mounted to protect said plug. Both of the cylinder locks are operatively connected with the bolt mechanism of the rim lock but as these features form no part of my present invention, a detailed description of the same herein is not necessary.

The housing 10 is formed with a plurality of ribs 14 which are substantially parallel with the axis of said housing and they are bored to receive hardened steel armor pins 15 which will serve to prevent the housing or any part thereof from being sawed off in an attempt to saw off the cylinder lock 11 or disable the latter.

In order to prevent drilling of the pins of the lock 11 to disable the latter the housing 10 is bored at right angles to its axis for the reception of one or more hardened steel armor pins 16 which, as shown in Figure 2, will be disposed over a vital part of the cylinder lock structure and will prevent a boring tool inserted at the free end of the housing from reaching such vital part of the cylinder lock 11.

Having fully described my invention what I claim as new and desire to secure by Letters-Patent, is:

1. In a lock structure, the combination of a housing, a cylinder lock enclosed by said housing, and armor pins located in the wall of the housing substantally parallel with the axis of the cylinder lock.

2. In a lock structure, the combination of a housing, a cylinder lock enclosed by said housing, armor pins located in the wall of the housing substantially parallel with the axis of the cylinder lock, and an armor pin located in the end wall of the housing to protect the pins of the cylinder lock.

3. In a lock structure, the combination of a cylinder lock, a housing enclosing the same, said housing having a plurality of ribs substantially parallel with the axis of the same, and hardened steel armor pins located in said ribs.

4. In a lock structure, the combination of

a cylinder lock, a housing enclosing the same and having imbedded therein hardened steel armor pins substantially parallel with the axis of the housing and having imbedded in its end wall a hardened steel armor pin at substantially right angles to the first mentioned armor pins, said housing having an opening in its end wall in line with the plug of the cylinder lock, and a hardened steel disk mounted in said opening and in front of the plug of the cylinder lock.

In testimony whereof, I have signed this specification.

MAXWELL C. MAXWELL.