

No. 779,594.

PATENTED JAN. 10, 1905.

J. GREENBERG.

LOCK.

APPLICATION FILED JAN. 4, 1904.

Fig. 1.

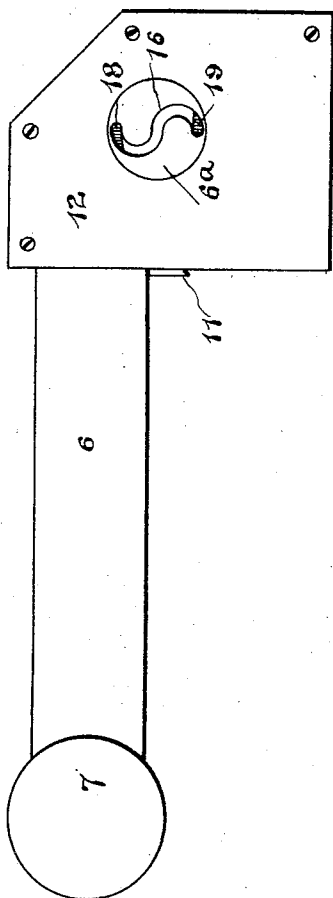


Fig. 2.

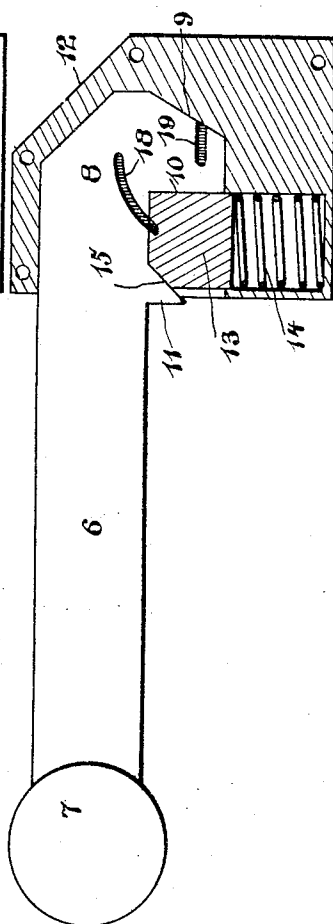
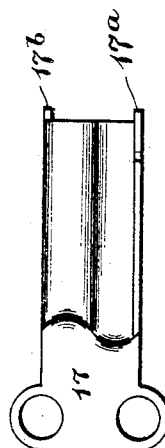


Fig. 4.



Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

JESSE GREENBERG, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF TO
JOSEPH F. MATLOCK, OF CLEVELAND, OHIO.

LOCK.

SPECIFICATION forming part of Letters Patent No. 779,594, dated January 10, 1905.

Application filed January 4, 1904. Serial No. 187,715.

To all whom it may concern:

Be it known that I, JESSE GREENBERG, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Locks, of which the following is a specification.

This invention is a lock particularly adapted for use in locking mail-bags, and in such use its bolt is passed through a staple which engages the flaps of the bag. It is not, however, limited to such use, but is readily applicable as a hasp-lock or to any use wherein a bolt may be passed under or through a staple or ring to lock parts associated therewith.

The object of the invention is to form an improved device of the kind, as will more fully hereinafter appear.

In the accompanying drawings, Figure 1 is a plan of the lock. Fig. 2 is a plan with the top of the casing removed. Fig. 3 is a plan of the key to the lock, and Fig. 4 is an end view of the key.

Referring specifically to the drawings, the lock-bolt is indicated at 6. This is preferably circular in shape and may be of any length desired. At one end it has a ball or enlargement 7, which is larger than the staple or ring through which the bolt is to be passed. At the other end the bolt has an offset head 8, which is beveled at the end on its forward side, as indicated at 9, and has a backwardly-directed face, as at 10, which contacts with the tumbler of the lock to prevent release. Opposite said face, at a small distance therefrom, is a projection 11 on the bolt, the object of which is to cover the point of the tumbler and prevent the operation thereof in an unauthorized manner.

The lock-casing is indicated at 12 and is so large that it will not pass through the staple on which the lock is to be used. It is hollow to receive the head 8 and has a recess which contains the sliding tumbler 13, which works laterally with respect to the bolt, behind the head thereof, between the face 10 and the projection 11. A spring 14 behind the tumbler normally projects it to engagement. The head of the tumbler is beveled, as at 15,

so that it will yield on contact with the face 9 when the bolt is sent home into the casing. By engagement of the tumbler behind the head the release of the bolt from the casing is prevented and the lock maintained. The cover of the casing has a keyhole (indicated at 16) of proper shape and size to receive the key 17, the keyhole being through a rotatable plug or section 6^a of the casing. The head of the bolt has a curved groove 18, the beginning of which registers with the upper end of the keyhole and which extends thence in a direction toward the point of the tumbler. The head also has a groove 19, the beginning of which registers with the lower end of the keyhole and which extends thence on a line parallel to the bolt to the front edge or face of the head.

When the key is inserted in the keyhole, its bit 17^a pivots in the end of the groove 19 and its bit 17^b enters the groove 18, and when the key is turned the bit 17^b swings around against the point of the tumbler 13 and forces the same backward into the casing, permitting the withdrawal of the head of the bolt from the casing, at which action the bit 17^a slides along the groove 19. When the bolt is inserted in the lock-casing, the beveled head 9 by contact with the bevel 15 and the tumbler depresses the tumbler, the spring yielding to permit the action, and when the bolt is sent home the projection 11 covers the opening in the casing, as heretofore indicated.

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

The combination with a lock-casing having a keyhole, and a spring-tumbler therein, of a bolt, having a projection engaging behind the tumbler, and grooves which register with the keyhole and shaped to receive key-bits and form a pivot-bearing therefor and permit the turn of the key against the tumbler.

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

JESSE GREENBERG.

Witnesses:

JOHN A. BOMMARDT,
LOTTIE NEWBURN.