(Model.)

D. B. REEVE.

SEAL LOCK.

No. 306,524. Patented Oct. 14, 1884.

Fig. 1.

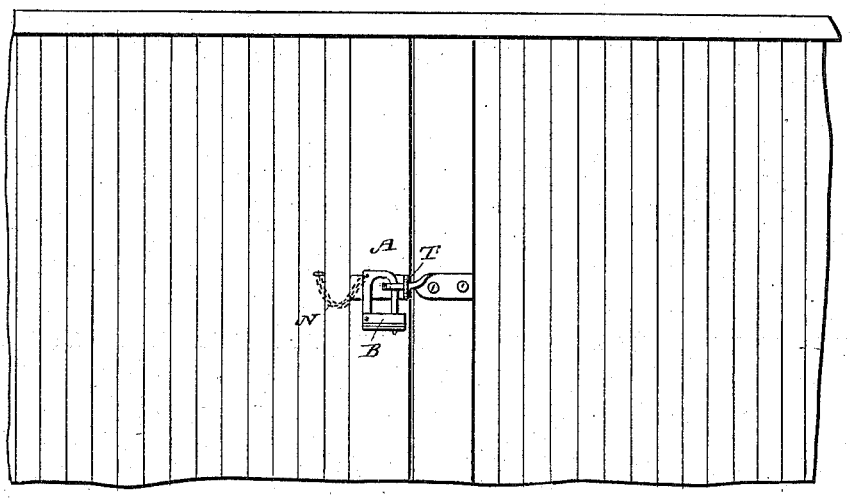


Fig. 2.

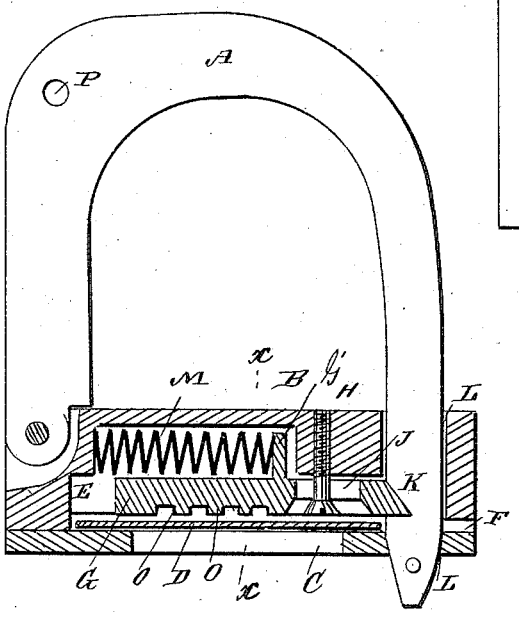


Fig. 4.

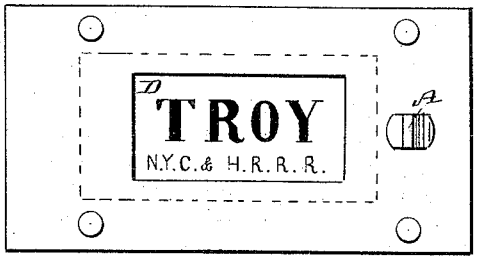
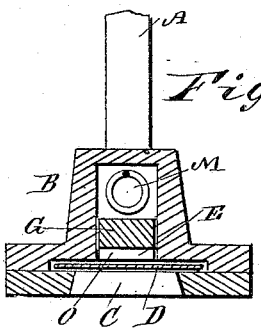


Fig. 3.



WITNESSES:

Theo. G. Hoster.

C. Sedgwick

INVENTOR:

D. B. Reeve

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

DAVID B. REEVE, OF NEW YORK, N. Y.

SEAL-LOCK.

SPECIFICATION forming part of Letters Patent No. 306,524, dated October 14, 1884.

Application filed April 12, 1884. (Model.)

To all whom it may concern:

Be it known that I, DAVID B. REEVE, of the city, county, and State of New York, have invented a new and Improved Car-Door Lock, Seal, and Tag-Holder, of which the following is a full, clear, and exact description.

My invention relates to that class of seal-padlocks in which the casing is provided with ways for receiving a seal, which said seal is retained in place by the shackle when it is snapped into engagement with a sliding bolt within the casing.

The invention consists in the construction and combination of parts, as will be hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front view of a car-door provided with my improved combined car-door lock, tag-holder, and seal. Fig. 2 is a longitudinal sectional view of the lock, seal, and tag-holder. Fig. 3 is a cross-sectional view of the same on the line *x x*, Fig. 2. Fig. 4 is a face view of the same.

A U-shaped shackle, A, is hinged at one end to a casing, B, provided in its outer surface with a longitudinal slot, C, through which the tag D can be seen, which tag is slipped in a recess, E, through a transverse slot, F, in the free end of the casing, the recess E being formed behind the slotted front of the casing.

In the recess E a sliding bolt, G, is held by a screw, H, passed through a longitudinal slot, J, in the bolt, and screwed into the back of the casing. When it is desired to remove the bolt G or spring M for any purpose whatever, the screw H is removed, and the bolt and spring may be withdrawn from the casing through the opening C. No part of the casing has to be removed. The outer end of the bolt G is beveled, to fit in a notch, K, in the inner edge of the shackle, at the free end of the same. The casing B is provided at its free end with an aperture, L, through which the free end of the shackle can pass. A spring, M, held in the recess and behind the sliding bolt G, rests against a lug, G′, on the bolt, and presses the bolt toward the free end of the casing. It will be noticed that the spring is held in place by the bolt, no other securing means being required, as in some former constructions. The bolt G is provided on its outer surface with transverse grooves or serrations O. The shackle A is held to the car by a chain, N, the end link of which is passed through an aperture, P, in the shackle.

The operation is as follows: The tag or ticket D, showing the destination of the car, is slipped through the slot F into the recess E. The door is closed, the staples T on the doors or door and casing interlock, and the shackle A is passed through one of the staples, and the lock is closed by pressing the end of the shackle through the end opening, L, of the casing B. Thereby the bolt G is pushed back, and its beveled end snaps into the notch K on the shackle, thus locking the shackle on the casing. If the door is to be opened, the shackle must be released from the casing to open the lock; but the shackle can only be released by withdrawing the sliding bolt. The bolt can only be withdrawn if the tag is removed, which cannot be done as long as the lock is closed, or by piercing the tag by means of a suitable implement and then pressing the bolt by means of the said implement, the point of which implement engages with the ridges or serrations on the bolt G. By piercing and tearing the tag the seal is destroyed, and thus it is clearly shown that the lock has been opened. A key is not required to open the lock. An aperture, W, is formed in the end of the shackle for receiving the usual seal.

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

1. A seal-lock consisting of the casing B, provided with the recess E above the bottom plate, bottom recess, C, vertical end aperture, L, horizontal end recess, F, intersecting the aperture L and joining the recess E, bolt G above the opening C, formed on its under side with a series of grooves or serrations, O, and on its upper side with a lug, G′, spring M,

bearing against the said lug and the casing, and the pivoted shackle A, all combined and arranged substantially as set forth.

2. The combination, with the lock-casing B, recessed at E, and provided with bottom opening, C, vertical end opening, L, and horizontal end recess, F, of the bolt G, slotted at J, screw H, passing through said slot into the casing, as shown, and the spring M above the bolt, substantially as set forth, whereby a screw-driver may be inserted through the opening C to unscrew the screw, to allow of the withdrawal of the bolt and its spring through the opening C.

DAVID B. REEVE.

Witnesses:
OSCAR F. GUNZ,
C. SEDGWICK.