No. 732,594. PATENTED JUNE 30, 1903.

W. L. SEBRING.

SEAL LOCK.

APPLICATION FILED MAR. 7, 1903.

NO MODEL.

Fig. 1.

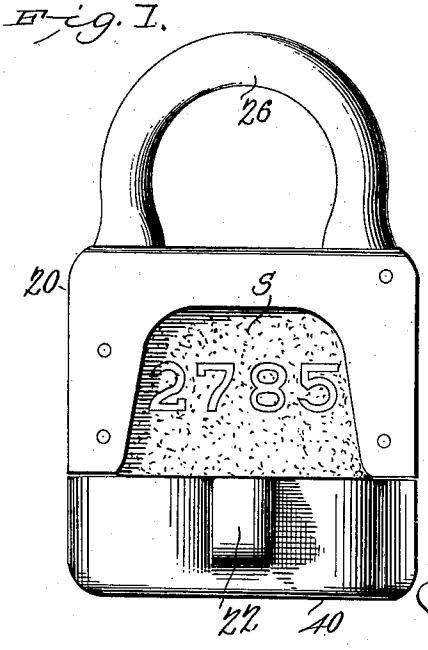
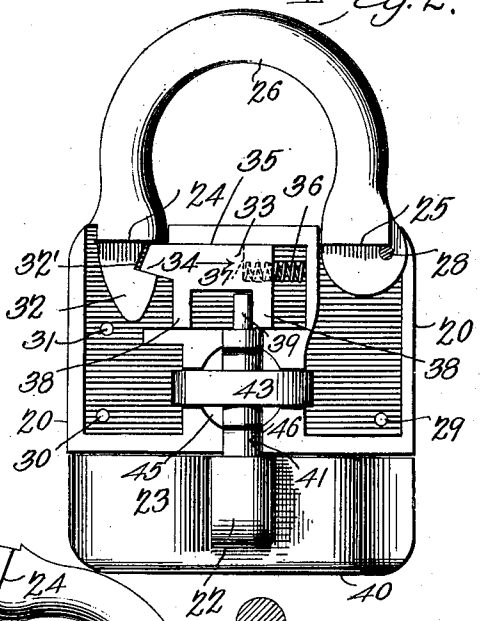


Fig. 2.



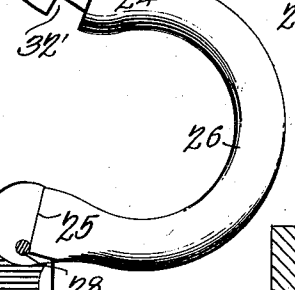


Fig. 3.

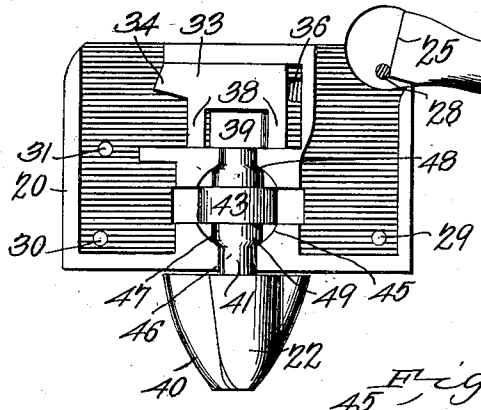


Fig. 4.

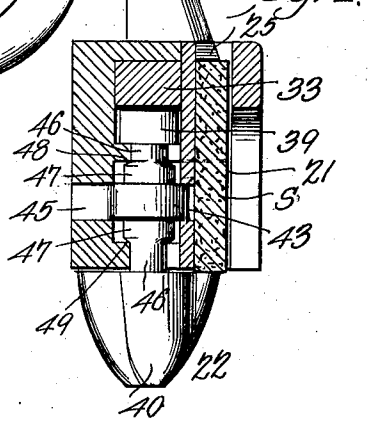
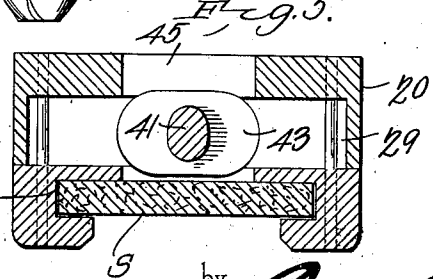


Fig. 5.



Witnesses
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No. 732,594. Patented June 30, 1903.

UNITED STATES PATENT OFFICE.

WILLIAM L. SEBRING, OF COLORADO SPRINGS, COLORADO.

SEAL-LOCK.

SPECIFICATION forming part of Letters Patent No. 732,594, dated June 30, 1903.

Application filed March 7, 1903. Serial No. 146,729. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM L. SEBRING, a citizen of the United States, residing at Colorado Springs, in the county of El Paso and State of Colorado, have invented a new and useful Car Seal-Lock, of which the following is a specification.

This invention relates to seal-locks of the kind used in fastening car-doors and the like.

The object of the invention is to produce a seal-lock adapted for use on car-doors provided with the ordinary form of hasp-and-staple fastening without any modification of said common form of fastening or permanently attaching the lock to the door.

The invention consists, broadly, in a padlock provided with a seat for a seal, said seat being so arranged that the lock may be closed with the seal in said seat and when the lock is closed the seal will be retained in its seat and will prevent the unfastening of the lock without breaking the seal.

The preferred form of embodiment of the invention is shown in the accompanying drawings, in which corresponding parts are designated by the same characters of reference throughout the various views in which they appear.

In the drawings, Figure 1 is a side elevation; Fig. 2, a side elevation with the side plate forming the seal-seat removed and the shackle being engaged by a spring-latch to hold it in operative position. Fig. 3 is a view similar to Fig. 2, but with the spring-latch in inoperative position and the shackle thrown back to the position for inserting the seal. Fig. 4 is a vertical transverse section through the lock as shown in Fig. 1, and Fig. 5 is a horizontal section through the lock shown in Fig. 1.

Referring to the drawings by reference characters, 20 designates the body portion of a padlock showing a preferred form of embodiment of my invention. The body portion 20 is provided with a seal-seat 21, in which the seal is retained by a projection 22 on the key 23 and lugs 24 25 on the pivoted hook 26 when the lock is fastened. The shackle 26 is pivotally mounted on a pin 28, which serves, with similar pins 29 30 31, to hold together the members forming the body portion 20 of the padlock. At its free end the shackle 26 is tapered, as shown at 32, and provided with a notch 32′ to permit the ready engagement of the free end of the hook with the sliding latch 33, having a beveled locking-face 34, which is slidably mounted in suitable way 35 in the body portion 20 of the lock. The latch is normally held in operative position by means of a spring 36, placed in a recess 37 in the latch and having its rearward end in contact with the end of the way 35. In order to withdraw the latch from engagement with the notch 32′, the latch 33 is provided with two downwardly-projecting lugs 38, in the space between which operates a cam 39 at the upper end of the key 23. The key 23 consists of a handle portion 40, with which the lug 22 is integral, and stem 41, at the end of which is formed a cam 39, just mentioned, and on which is provided another cam, 43, of larger size than the cam 39, which projects outward through openings 45, provided in the body portion 20 of the lock when the key is rotated until the handle 40 is disposed transversely of the lock. The stem 41 consists of reduced portions 46 46, between which is an enlargement 47, on which the cam 43 is mounted. The enlargement 47 lies between bearing-surfaces 48 and 49, provided in the body portion 20 of the lock, and so prevents sliding of the key, while permitting free rotation thereof.

The operation of the form of lock described is as follows: The shackle 26 having been swung back to the limit of its movement in inoperative position, the seal S is introduced into the seal-seat 21 and moved downward until its lower edge rests on the projection 22 of the key 23. The shackle 26 is then swung into operative position, and the latch 33 engages with the notch 32′ to hold it. When held in operative position, the shackle 26 by means of the lugs 24 25 retains the seal in position in its seat 21, and as long as the seal remains unbroken it is impossible to disengage the latch 33 from the notch 32′. When it is desired to open the lock, the key 23 must be turned until its handle 40 is substantially at right angles to the body 20 of the lock, and the cam 39 at the upper end of the stem will then hold the latch 33 out of engagement with the notch 32′, so that the shackle may be swung into inoperative position and disengaged from the staple; but as the handle 40

of the key is turned into the position mentioned the cam 43 will be brought into forcible contact with the frangible seal S and break it before the cam has been turned far enough to force the latch 33 out of engagement with the notch in the end of the shackle 26.

It is to be understood that I do not wish to limit myself to the exact form, proportions, or mode of assemblage of elements hereinbefore described, and shown in the accompanying drawings, but reserve the right to make such changes therein as do not depart from the spirit of the invention and lie within the scope of the claims, which are as follows:

1. A padlock having a seat for a frangible seal provided on the body portion thereof, a shackle pivotally mounted on said body portion and adapted to retain the seal in said seat when said shackle is in operative position, and a key rotatably mounted in said body portion and provided with a projection adapted to break said seal when the key is turned to release said shackle.

2. A padlock having a body portion provided with a seat for a frangible seal, a shackle pivotally mounted on said body portion and provided with lugs adapted when said shackle is in operative position to hold the seal in said seat, an automatic latch for locking said shackle in operative position, and a key for releasing said latch rotatably mounted in said lock, said key being provided with a cam adapted to break the seal when the key is rotated to release said latch from engagement with said shackle.

3. A padlock having a body portion provided with a seat open at the top for a frangible seal, a shackle pivotally mounted on said body portion and adapted to close said seat, an automatic latch for locking said shackle in operative position, and a member rotatably mounted in said body portion and adapted simultaneously to release said latch and break said seal.

4. A padlock having a body portion provided with a seat open at the top for a frangible seal, a shackle pivotally mounted on said body portion and having a projection adapted to overlie said seal-seat, means for automatically locking said shackle in operative position, and a member rotatably mounted in said body portion and adapted to release said locking means and to break said seal.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM L. SEBRING.

Witnesses:

OLIVE C. BLACK,

JAMES R. SNYDER.