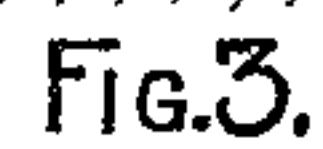


J. F. BROWNE.
SEAL LOCK.

Patented May 10, 1887.



Inventor:

JAMES F. BROWNE

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UNITED STATES PATENT OFFICE.

JAMES F. BROWNE, OF ALBANY, NEW YORK, ASSIGNOR OF ONE-HALF TO
DUDLEY FARLIN, OF SAME PLACE.

SEAL-LOCK.

SPECIFICATION forming part of Letters Patent No. 362,873, dated May 10, 1887.

Application filed March 5, 1887. Serial No. 229,836. (No model.)

To all whom it may concern:

Be it known that I, JAMES F. BROWNE, of Albany, in the county of Albany and State of New York, have invented new and useful Improvements in Seal-Locks, of which the following is a specification.

My invention relates to improvements in seal-locks for the doors of freight-cars and other similar purposes; and the object of my invention is to provide a cheap, simple, and secure device for such purposes. This object I attain by means of the mechanism illustrated in the accompanying drawings, which is herein referred to, and forms part of this specification, and in which—

Figure 1 is a front elevation of my lock in a locked condition applied to a car-door; Fig. 2, a like elevation with the lock in an unlocked condition; Fig. 3, a vertical section of Fig. 1 at the line *x x*; Fig. 4, a detached side elevation of the casing or fixed portion of my lock; Fig. 5, a rear elevation of the same, and Fig. 6 a rear elevation of the destructible seal.

As represented in the drawings, A is the casing of my lock, having on its outer part a chamber, 1, the lower side of said chamber being open to permit the hooked end of the hasp to enter freely thereinto. A partition, 2, perforated with a key-hole, 3, forms the outer side of said chamber, and an inturned flange, 4, which extends along the two sides and top of the casing, forms a groove, 5, for holding the destructible seal used for covering the key-hole 3. A lug, 6, at the lower side of the casing A, is provided with a slotted opening, 7, for receiving an additional seal, either a wire and soft-metal seal, as shown in Fig. 1, or a metallic tape seal, which is frequently used for such purposes when occasion requires. A cylindrical sleeve, 8, is formed on the rear side of the casing A, and in said sleeve a cylindrical bolt, 9, is fitted to slide. Said bolt has its head 10 cut on a bevel, the short side of said bolt being turned toward the open mouth of the chamber 1, as shown in Fig. 3, and is kept from turning from that position by a stud, 11, which engages in a longitudinal groove, 12, cut in the side of said bolt. A spring, 13, is fixed in the lower part of sleeve 8, to exert its pressure

on the bolt 9 to push the latter outwardly. The outward movement of said bolt is limited by the partition 3, against which the bolt strikes, and is stopped thereby from further movement. A removable bottom, 14, is provided for the sleeve 8, for the purpose of facilitating the placing of the spring 13.

B is a swinging hasp, hung to the door by means of a staple, C. Said hasp is provided with a hook, *b*, that is bent at a right angle to the body of the hasp, and it has near its end an opening, 15, in which the bolt 9 will engage to secure the hasp to the casing A. The rearmost face of the end of the hook *b* is beveled, so that when the end of said hook is brought into contact with the beveled head of the bolt 9 the latter will be forced to move inwardly until the opening 15 is brought into coincidence with said bolt, and then the latter will be forced outwardly by the spring 13 to secure the hasp B to the casing A. The hasp B is provided with a longitudinal flange or rib, 16, which projects beyond the outer face of the partition 2, and forms an abutment for securing the destructible seal in the groove 5. Said hasp is also provided with a lug, 17, which corresponds to the lug 6 of the casing A, and has a slotted opening, 18, that conforms to the slotted opening 7 in the lug on said casing.

The destructible seal D is made of glass or other vitreous material of a translucent nature, and preferably has its rearmost surface ground for the purpose of preparing it to receive a printed impression of any preferred legend or trade-mark denoting ownership, and which is discernible at the outer side of said seal.

The operation of my lock is as follows: The seal D is fixed in the groove 5, while the hasp B is disengaged from the casing A, and said seal is held in place by hand until the hasp B is engaged with the bolt 9. When this has been accomplished, the rib 16 will hold the said seal in place, and the lock cannot be opened until said seal is destroyed. To open the lock, the seal D is first destroyed to expose the key-hole 3. A pin, nail, or other suitable instrument is inserted in said key-hole to bear against the outer end of the bolt 9, and the latter is then pushed in until the hasp B is released therefrom, and the latter will then drop down

and leave the door free to be opened at any time that may suit.

When additional security is desired, a wire and soft-metal seal, as shown in Fig. 1, or a metallic tape, may be strung through the lugs 5 6 and 17, and the hasp B cannot then be dropped down until such fastenings are removed from said lugs.

I claim as my invention—

10 In a seal-lock, the combination, with a casing, A, in which is comprised the chamber 1, perforated partition 3, groove 5, exterior to the said partition, sleeve 8, and lug 6, having slotted opening 7, the said sleeve containing a

spring-actuated bolt, 9, having its outer end 15 beveled, as herein described, of the swinging hasp B, having a hook, b, fitted to enter the chamber 1, to engage with the bolt 9, said hasp being provided with the rib 16 and lug 17, having slotted opening 18, and the de- 20 structible seal D, fitted to enter the groove 5, wherein it is secured by the rib 16, all constructed to operate as herein specified.

JAMES F. BROWNE.

Witnesses:

WM. H. LOW,
S. B. BREWER.