

(No Model.)

E. OEHRLE.

SEAL LOCK.

No. 366,241.

Patented July 12, 1887.

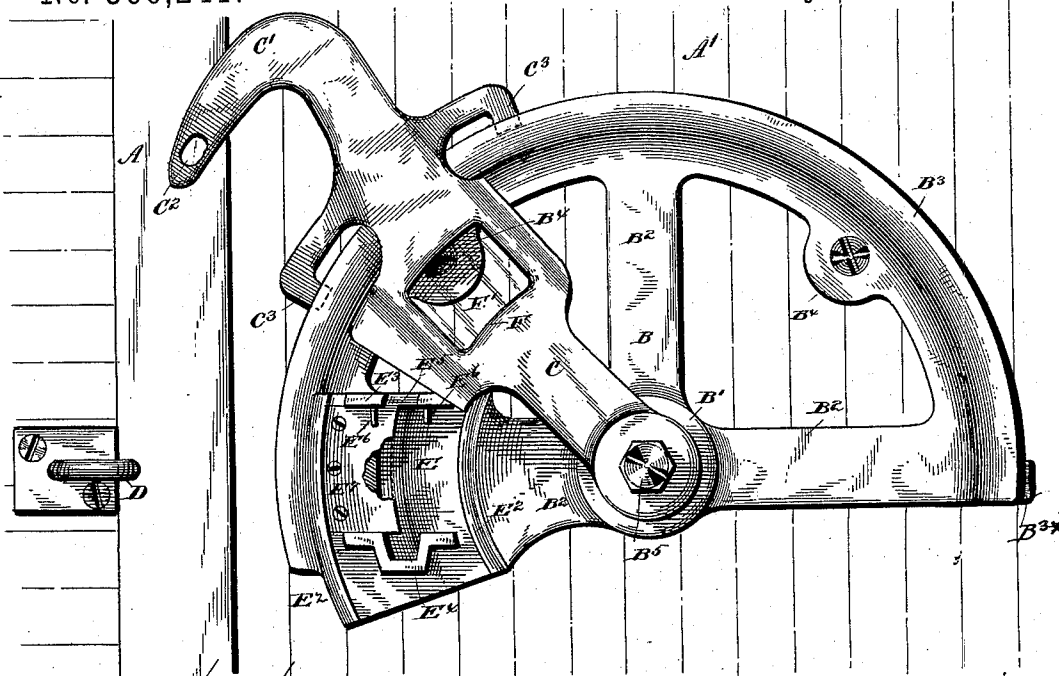


Fig. 1.

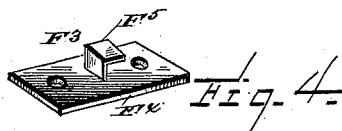


Fig. 4.

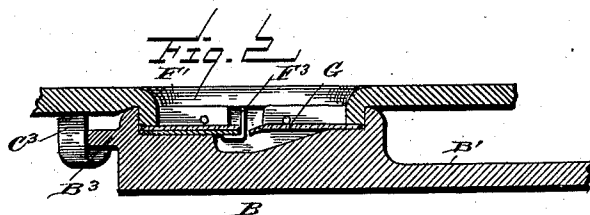


Fig. 2.

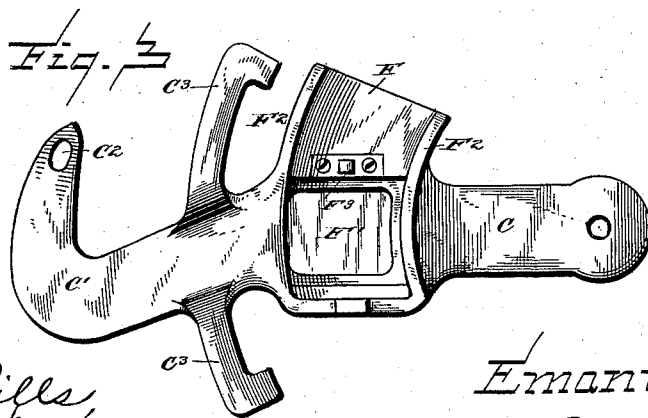


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

EMANUEL OEHRLE, OF OMAHA, NEBRASKA, ASSIGNOR OF ONE-HALF TO
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SEAL-LOCK.

SPECIFICATION forming part of Letters Patent No. 366,241, dated July 12, 1887.

Application filed March 26, 1887. Serial No. 232,600. (No model.)

To all whom it may concern:

Be it known that I, EMANUEL OEHRLE, a citizen of the United States, residing at Omaha, in the county of Douglas, State of Nebraska, have invented certain new and useful Improvements in Seal-Locks, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to seal-locks for freight-car doors; and my object is to provide a seal-lock and latch combined, whereby either function may be brought into operation.

The invention consists in certain features hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 represents a car-door and portion of a car provided with a lock constructed in accordance with my invention, the lock being shown in an open position. Fig. 2 is a detail transverse section showing the knife-carrying arm ascending and severing the card or seal. Fig. 3 is a rear view of the latch or knife-carrying arm detached from the lock-plate, and Fig. 4 is a detail in perspective of the knife.

Like letters indicate like parts in all the figures.

A represents the frame-work of a car door, and A' the door. At a suitable point upon the latter is mounted the lock-plate B, which consists of a semicircular casting having a central perforated boss or hub, B', and radiating arms B², and a semi-annular outwardly-flanged rim or guide, B³, provided with perforated lugs B⁴ for the reception of screws, whereby the plate is rigidly attached to the door, and a stop, B^{3x}. By the provision of this stop B^{3x} the pivoted latch C is prevented from falling to such a position as to disengage its arms C³ with the guiding-flange B³. Pivoted to the boss or hub B' by means of a bolt, B⁵, is a latch C, the opposite end of which is formed with an engaging-hook, C', adapted to enter a staple, D, secured to the frame-work, said hook being perforated at its end for the reception of any ordinary lock or wire having a seal, whereby it is retained against rising. At each side of the latch C are formed laterally-extending inwardly-bent L-shaped arms C³, which enter back of the semicircular flange B³ of the plate B, whereby the latch

may be guided in its radial movement. Upon one of the arms B² is formed the seal-receiving plate or pocket E, formed with the side flanges, E² E², and the top and bottom flanges, E³ E⁴, the former being recessed, as at E⁵, for a purpose hereinafter referred to, and provided with depending pins E⁶. A spring-plate, E⁷, extends from one side of the plate E midway across the same, the outer edge of which is curved.

Referring more particularly to Fig. 3, a rear view of the latch C, F represents the knife-plate, formed with the opening F', which is preferably provided with a glass, and with the opposite parallel guiding-flanges F², adapted to fit between and enter the side flanges, E² E², of the plate E. Below the opening F', and at the center of the plate F, is secured a knife, F³, consisting in this instance of a securing-plate, F⁴, perforated for the reception of screws, and having a fixed L-shaped blade, the bent portion F⁵ of which is adapted to extend under the spring-plate E⁷ when in the act of cutting or canceling a seal. (See Figs. 2 and 4.)

Having described the construction of my invention, the operation is as follows: A seal the size of the plate E, bearing the name and address of the receiver, is placed within the plate E and under the retaining-pins E⁶, the latch being swung to a position above the plate. The latch is then swung down to engage with the staple D, the knife F³, projecting from the latch, passing through the recessed portion E⁵ of the flange E³, and along down over the seal G (the spring-plate E⁷ yielding to the pressure thereof) until it reaches the flange E⁴, by which time it is freed from contact with the seal, whereupon the spring-plate E⁷ forces the seal to the front, where it may be inspected. When the knife passes beyond the edge of the seal, the spring is released and forces the seal sufficiently far to the front to bring it forward of the bent portion of the blade. Thus, should the latch be lifted sufficiently far to open the door of the car, the knife would be brought into contact with the edge of the seal and sever the same.

Having described my invention and its operation, what I claim is—

1. In a seal-lock, the combination of a lock-plate, having a semicircular flanged rim, with a swinging latch pivoted to said plate and provided with arms adapted to take under
5 said flange, substantially as specified.

2. In a seal-lock, the combination of a lock-plate, having a seal-plate provided with flanges or guides, and a stop with a pivoted swinging latch carrying a knife and having flanges
10 adapted to pass within said flanges in the seal-plate, substantially as specified.

3. In a seal-lock, the combination of a seal-plate, provided with a spring extending partly across the same, with a latch carrying a knife
15 bent to project back of the spring and seal when in its lowest position, substantially as specified.

4. In a seal-lock, the combination of a semicircular lock-plate having a peripheral flange,

a central perforated boss, and radiating arms, 20 one of which is provided with a seal-plate having guiding-flanges and a flat spring extending partly across the same, with a latch pivoted to said central boss and provided with a hook at one end, perforated to receive 25 a lock, and with guiding-arms adapted to take under said peripheral flange, and having a knife-plate and guides adapted to be swung down over the seal-plate and take under the seal therein, whereby when raised the seal is 30 cut or canceled, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

EMANUEL OEHRLE.

Witnesses:

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J. A. WILLIAMS.