

W. C. MARTINEAU.
CAR SEAL.
APPLICATION FILED MAR. 21, 1910.

1,009,982.

Patented Nov. 28, 1911.

Fig. 1.

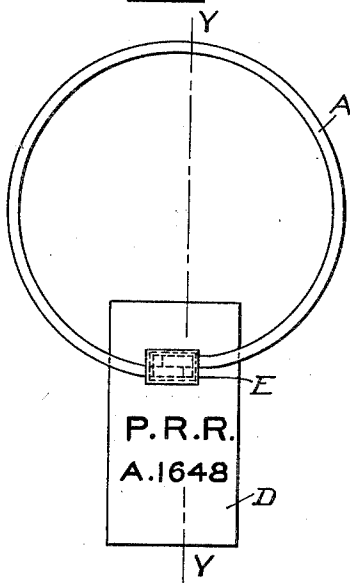


Fig. 2.

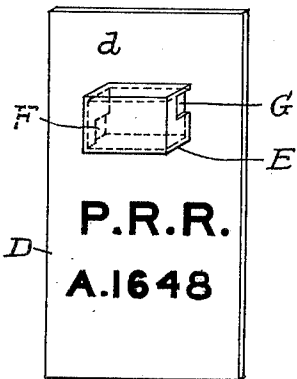


Fig. 3.

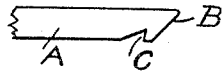


Fig. 5.

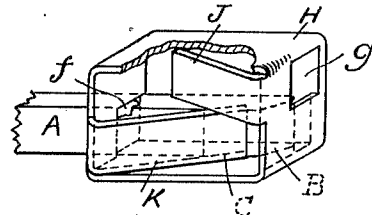


Fig. 4.

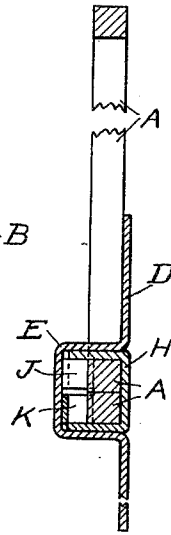
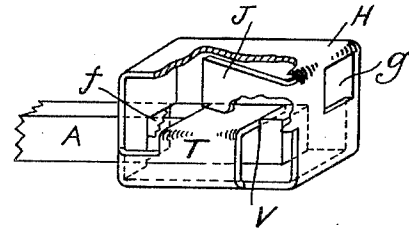


Fig. 6.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM C. MARTINEAU, OF ALBANY, NEW YORK, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO UNIVERSAL CAR SEAL & APPLIANCE CO., OF ALBANY, NEW YORK, A CORPORATION OF NEW YORK.

CAR-SEAL.

1,009,982.

Specification of Letters Patent. Patented Nov. 28, 1911.

Application filed March 21, 1910. Serial No. 550,571.

To all whom it may concern:

Be it known that I, WILLIAM C. MARTINEAU, a citizen of the United States, residing at the city of Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Car-Seals, of which the following is a specification.

My invention relates to car seals, and the object of my invention is to provide a sealing device particularly adapted for use on railway trains which is locked and sealed in one operation, together with such elements and combinations as are hereinafter set forth and claimed. I accomplish these objects by means of the mechanism illustrated in the accompanying drawing, in which:

Figure 1 is a front view. Fig. 2 is a detail perspective view. Fig. 3 is a detail view of one end of the locking wire. Fig. 4 is an enlarged section along the line Y—Y on Fig. 1. Fig. 5 is a perspective view of the locking box. Fig. 6 is a perspective view of modification of locking box.

Similar letters refer to similar parts throughout the several views.

A squared wire, A, preferably made of steel, is tapered at each end, B, as shown in Fig. 3, and provided near the tapered end, B, with a slot, C, one wall of which is preferably at a right angle to the surface of the wire, the other wall being at an obtuse angle with the same surface of the wire, the right angled wall being nearest the adjacent tapered end B.

The plate, D, has a portion, E, which may be pressed outward from one surface, *d*, thereof, so as to form either a square or oblong shaped projection, E, in opposite ends of which but in different planes are the squared openings, F and G, for the purpose of admitting the wire A.

Into the projection E, I place the box, H, which is provided with openings, *f* and *g*, through which the ends of the wire, A, may project and is also provided adjacent to the said openings, *f* and *g*, respectively, with the spring plates K and J, so arranged that with the insertion of the wire A through the opening *g* the tapered end B thereof will engage the end of the spring plate J, which

will, when the slot C is reached by the end of the spring plate J during the insertion of the wire A, form a receptacle for the end of the spring plate J, because the spring plate J will fall into the slot C, engaging the right angled wall therein and prevent the withdrawal of the wire A. The other end of the wire A when inserted in the opening, *f*, will be operated on by the spring plate K and held therein in the manner described in reference to the spring plate J.

It is understood of course that the box H is placed within the projection E, the openings, *f* and *g*, therein registering with the openings F and G before the ends of the wire A are inserted therein, as described.

The manner of operating my invention is readily understood.

The plate D may be stamped by any well known stamping device applied to one surface of the plate, pressing forward from the opposite surface the material of which the plate is composed, forming projection E and the holes or openings F and G are made in the sides of the projection. The box, H, is inserted in the projection and fastened therein in any suitable manner, one end of the wire A is forced through the opening G and held in position by the spring plate J, the other is passed through the staple or other locking device, and then pushed into the opening F in the projection through the opening, *f*, in the box and engages the spring plate K. It is apparent that neither of the ends of the wire can be withdrawn and that in order to open the car it will be necessary to cut the wire or break the box.

I do not limit myself to the form of the wire, although it is preferably squared, nor do I limit myself to tapering both ends of the wire.

In Fig. 6, I show a modified form of my invention in which one end of the wire, A, is held permanently in the box, H. This may be accomplished by causing the plate, T, to engage the notch, V, in the top of the wire and prevent thus the withdrawal of the wire. The other end of the wire, A, engages and is held by the spring plate, J, as hereinbefore described. I do not limit myself to this particular form of retaining device for holding the wire at one end perma-

nently in the box, but any well known means of accomplishing that result will come within the scope of my invention.

What I claim as my invention and desire to secure by Letters Patent is:

1. In a device for sealing cars, the combination with a wire tapered at each end and provided adjacent each tapered end with a right angled slot, of a plate provided with a stamped projection in the form of a box, said projection having openings in opposite sides thereof in different planes, and a locking box provided with two spring plates and having openings in opposite sides registering with the openings in said projection, the ends of said wire adapted to pass through the openings in said projection and box and engage said spring plates.

2. A device for sealing cars; comprising

a wire which is square in cross section, tapered at each end and provided near each tapered end with a locking catch; a plate; a projection on said plate formed to receive a locking box and provided with openings for the insertion of the ends of said wire; a locking box provided with openings for the insertion of said locking wire adapted to be placed in said projection on said plate, and means in said box for engaging the locking catches on said wire when inserted through said openings and projected into said box.

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

WILLIAM C. MARTINEAU.

Witnesses:

LOTTIE PRIOR,

FREDERICK W. CAMERON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."