

W. F. BEASLEY.

FASTENINGS FOR CAR-DOORS, &c.

No. 177,368.

Patented May 16, 1876.

Fig. 1.

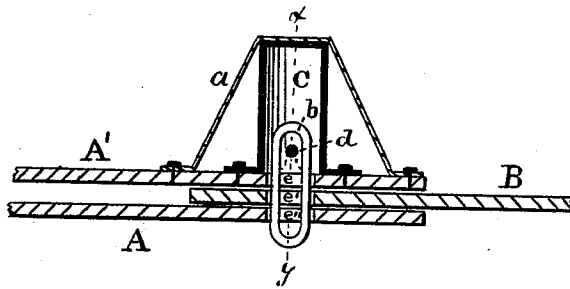
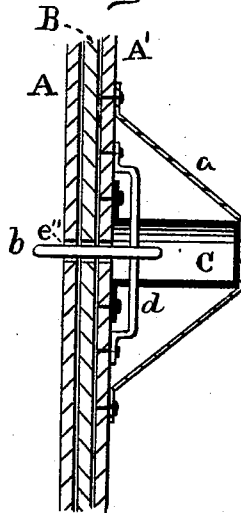


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM F. BEASLEY, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN FASTENINGS FOR CAR-DOORS, &c.

Specification forming part of Letters Patent No. **177,368**, dated May 16, 1876; application filed April 25, 1876.

To all whom it may concern:

Be it known that I, WILLIAM F. BEASLEY, of the city of Baltimore, in the State of Maryland, have invented certain improvements in means for securing the entrance or doors of bonded, postal, or other cars, or other conveyances, or places, where it is desired to prevent the undetected tampering with of the staple or bolt to which the lock is applied, of which the following is a specification:

This invention is specially designed to be used in connection with a seal or other safety or detective lock, and, when so employed, affords a sure protection against the unnoticed tampering with of the locking devices of the car, &c., by dishonest attendants or others.

It will be seen from the following that the parts entering into the invention cannot be altered in their respective relations in a manner admitting of the opening of the entrance to the car, &c., without detection being inevitable, it being impossible to readjust said parts in their original relation from the exterior of the car.

In the accompanying drawing, forming a part of this specification, Figure 1 is a sectional plan of a portion of the side of a car having my invention applied thereto. Fig. 2 is a vertical section through line *xy* of Fig. 1.

Similar letters of reference indicate similar parts in both views.

A is the outer, and A' the inner, plate of the car, and B the door thereof, sliding on rollers, or in some usual way, between the plates A A'. C is a pipe, secured in some suitable manner to the inside of the car, and totally concealed, and further held at its inner end by the shield *a*, made of plate-iron, and fastened by rivets or other means to the inside of the car. The end of the pipe C joining the plate A' is open, the plate being perforated at the place of connection, as also are the door B and outer plate A, as shown. A staple is represented by *b* fitting within the pipe C, of such length that when pushed back into the pipe the outer end of the staple will rest sufficiently back in the opening *e* in the

plate A' as to admit of the passage past it of the door B. A rod, *d*, prevents the extracting of the staple, the rod passing vertically through the pipe C, and being riveted or otherwise fastened to the inside plate of the car within the shield *a*.

When it is desired to secure the car, the door is slid to a position bringing its perforation *e'* in line with the opening *e''* in the outer plate A. The staple is pulled out through the outer plate by means of a hook or other instrument from the exterior of the car, and the hasp or other attaching part of the lock secured thereto.

It will be seen that if the lock is detective in its character, this invention prevents the least attempt to open the car without detection which could be perpetrated. If the staple were sawed off the replacement of another would be practically impossible.

I claim as my invention and wish to secure by Letters Patent of the United States—

1. The sliding staple *b*, concealed and secured within the car, in combination with the perforated door and body of the car, substantially as and for the purpose specified.

2. The combination of the pipe C, secured within the car, staple *b*, rod *d*, perforated plates A A' of the car, and sliding door B, having the opening *e'*, substantially as and for the purpose set forth.

3. The combination of the shield *a*, secured to and within the car, and concealing and assisting in the securing of the pipe C, with the said pipe, substantially as herein specified.

4. The rod *d*, secured to the inside of the car, in combination with the pipe C, the rod passing through the pipe, as specified, for the purpose designated.

In testimony whereof I have hereunto subscribed my name this 30th day of January, in the year of our Lord 1875.

WILLIAM F. BEASLEY.

Witnesses:

GEORGE H. HOWARD,
J. TYLER POWELL.