No. 682,242. Patented Sept. 10, 1901.

P. G. CURLEY.

FASTENER FOR CAR DOORS.

(Application filed Dec. 18, 1900.)

(No Model.)

Fig. 1.

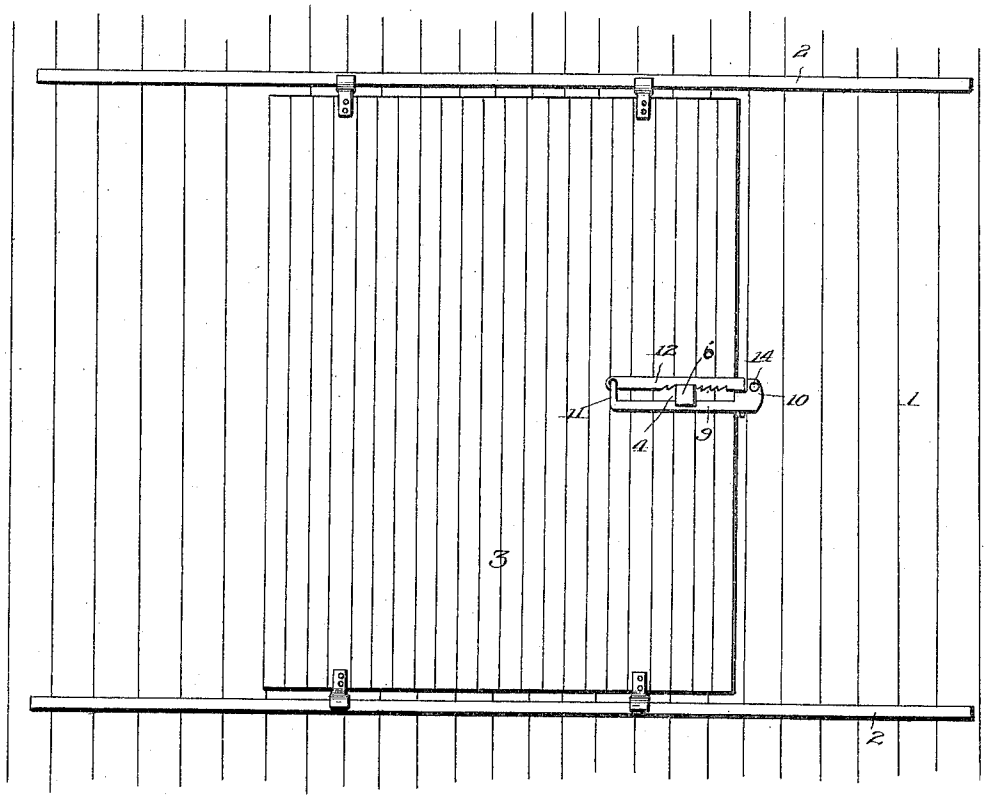


Fig. 2.

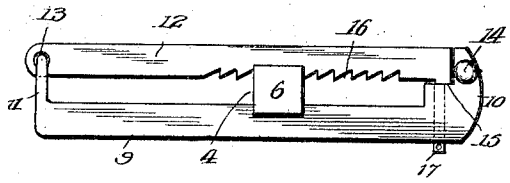


Fig. 3.

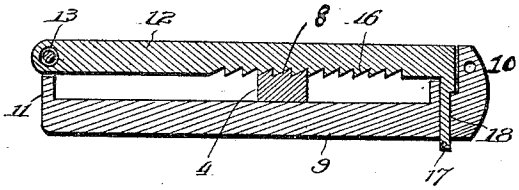


Fig. 4.

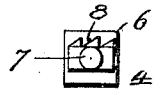
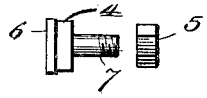


Fig. 5.



Witnesses
Harry S. Robinson.
Geo. Ackman.

Inventor
Percy G. Curley.

By Victor J. Evans. Attorney

THE NORRIS PETERS CO. PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

PERCY G. CURLEY, OF CHARLESTOWN, MASSACHUSETTS.

FASTENER FOR CAR-DOORS.

SPECIFICATION forming part of Letters Patent No. 682,242, dated September 10, 1901.

Application filed December 18, 1900. Serial No. 40,291. (No model.)

To all whom it may concern:

Be it known that I, PERCY G. CURLEY, a citizen of the United States, residing at Charlestown, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Fasteners for Car-Doors, of which the following is a specification.

My invention relates to fasteners designed especially for securing the doors of freight-cars; and the object of the invention is to provide simple, effective, and inexpensive means for securing a freight-car door.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawings, which form part of this specification, and its novel features will be defined in the appended claim.

In the drawings, Figure 1 is a side elevation of a freight-car, the door of which is equipped with my improved fastener. Fig. 2 is a side elevation of the fastener detached from the car. Fig. 3 is a longitudinal section of the fastener. Fig. 4 is a rear elevation of the securing-bolt of the fastener, and Fig. 5 is a side elevation of the securing-bolt and its nut.

The reference-numeral 1 designates the side of the freight-car provided with parallel guideways 2, upon which the door 3 is movably supported.

4 designates a bolt extending through the car-door and permanently secured thereto by a nut 5 on the inner side of the door. The bolt 4 is, as illustrated in Fig. 4, of rectangular shape in cross-section and is formed with a head 6 and a threaded inner end 7. The upper surface of the body of the bolt is formed with teeth 8 for a purpose hereinafter described.

9 designates a bar constituting one of the bolt-engaging members of the fastener formed at one end with a projection 10 and at its opposite end with an arm 11, projecting at right angles from the bar 9, to which is pivotally secured one end of a notched bar 12, formed with an opening 13 to receive the bent end of the arm 11, which constitutes the pivotal support of the notched bar 12. The extension 10 of the member 9 is pivotally secured to the side of the car by a suitable pivot-bolt 14 and is recessed to form a shoulder 15, which serves as a seat for the free end of the notched bar 12. The lower surface of the member 12 is notched to form teeth 16, which are adapted to engage the teeth 8 of the bolt 4, as best shown in Fig. 3, and from the free end of said bar 12 projects a pin 17, which extends through an opening 18 in the adjacent end of the bar 9, the lower end of said pin being provided with an opening for the attachment of a seal.

The utility and operation of the device constructed as above described will be readily understood.

The bolt 4 is permanently secured to the door 3, and after the door is adjusted to the position desired—that is to say, either wholly or partially closed—the notched bar 12 is brought into engagement with the teeth of the bolt and the pin 17 is projected through the opening 18 in the bar 9, after which the seal is attached to the outer end of the pin, thus fastening the door and rendering it impossible to slide the latter without breaking the seal thereof.

I claim—

A fastener for car-doors comprising a pivot-bar having a pin-opening, a notched bar pivoted to the pivot-bar and having a pin insertible in the pin-opening, and a bolt having teeth with which the notched bar engages.

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

PERCY G. CURLEY.

Witnesses:

ROBERT L. DARLING,

ARAD E. DAY.