

No. 611,196.

Patented Sept. 20, 1898.

R. H. CATLETT.

COMBINATION STEP AND PLATFORM GATE.

(Application filed Oct. 12, 1897.)

(No Model.)

Fig. 1.

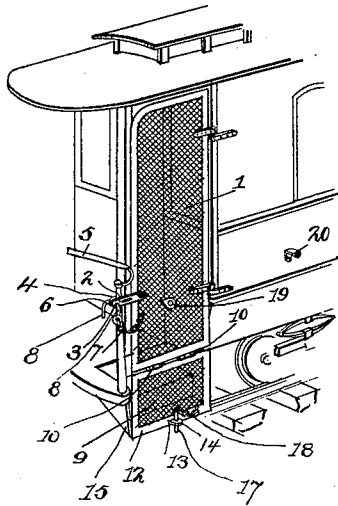


Fig. 2.

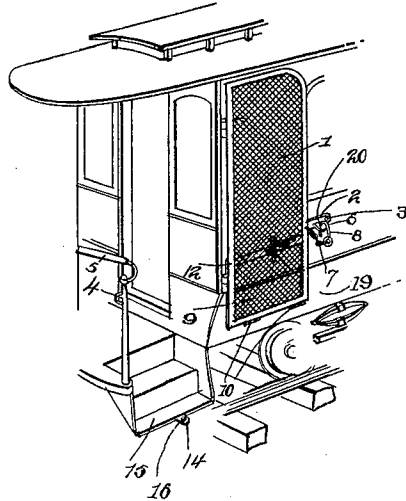
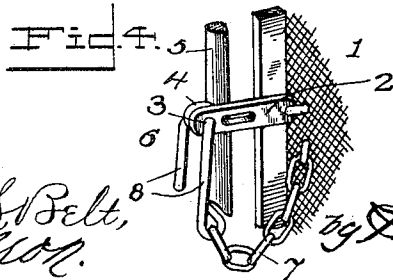
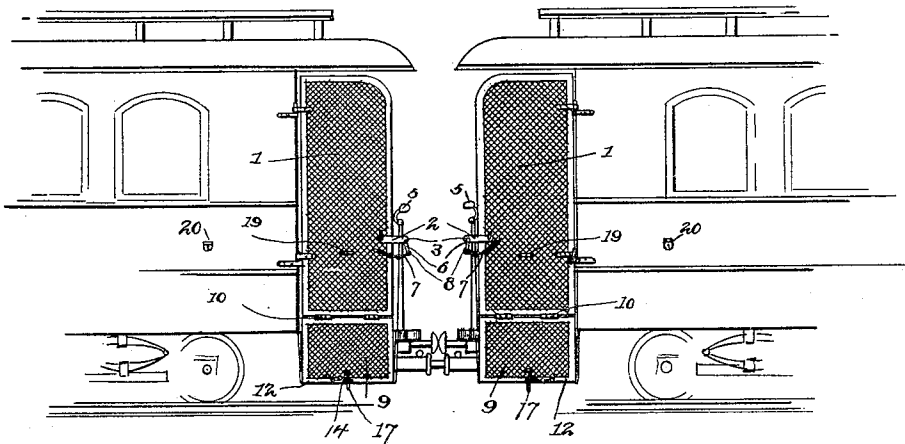


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

ROBERT H. CATLETT, OF TRINIDAD, COLORADO.

COMBINATION STEP AND PLATFORM GATE.

SPECIFICATION forming part of Letters Patent No. 611,196, dated September 20, 1898.

Application filed October 12, 1897. Serial No. 654,958. (No model.)

To all whom it may concern:

Be it known that I, ROBERT H. CATLETT, a citizen of the United States, residing at Trinidad, in the county of Las Animas and State of Colorado, have invented certain new and useful Improvements in a Combination Step and Platform Gate for Railway-Coaches; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improved combination railway-coach step and platform gate; and the object is to provide a simple, convenient, and effective device of this character.

To this end the invention consists in the construction, combination, and arrangement of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference characters indicate the same parts of the invention.

Figure 1 is a perspective view of my improved step and platform gate as it appears on a railway-coach. Fig. 2 is a similar view showing the gate folded out of the way. Fig. 3 is a side elevation of the ends of two cars as they appear equipped with my improved gates. Fig. 4 is an enlarged perspective detail view of the platform-gate fastening.

1 represents the platform-gate hinged to the side of the car, as shown, and it is provided with a hasp 2, having an orifice 3, which when the gate is closed will be brought into alinement with an integral eye 4, formed in the hand-rail 5.

6 represents a curved bolt connected by a short chain 7 to the gate 1, and when the gate is closed this bolt is inserted in the orifice in the hasp and the eye in the rail to lock the gate. The curved shape of the bolt 6 when inserted permits its parallel arms 8 8 to drop perpendicularly on each side of the hasp and eye and lock the same against accidental displacement when the cars are in motion.

9 represents the step-gate, and it is horizontally pivoted to the lower end of the platform-gate 1 by means of the hinges 10 10, so as to swing freely with said gate 1 and at the same time allow of a free vertical swinging movement independently of the gate 1. The

lower bar 12 of the step-gate 9 is provided with a transverse orifice 13 to receive the projecting end of the hasp 14, fixed to the bottom of the lower step 15. The end of this hasp 14 projects through the orifice 13, and it is provided with a vertical bolt-hole 16 to receive the bolt 17, which is fixed to the bar 12 by a short chain 18. When access is to be had to the platform, the bolt 17 is first withdrawn and the step-gate 9 turned upward parallel with the platform-gate 1 and secured thereto by the orifice 3, engaging a staple 19 on the platform-gate 1 and inserting the bolt 17 through said staple. The platform-gate 1 is now released by withdrawing the curved bolt 6 and swinging the two gates around parallel with the side of the car, as shown in Fig. 2, where the hasp 2 engages a staple 20 on the side of the car to hold the same in the position shown. The step-gate 9 being folded up out of the way gives the inspectors full access to the wheels, trucks, and running-gear.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

The combination with a railway-coach and its hand-rail 5 formed with an integral eye 4, the step 15, and the hasp 14, fixed to said step, of the hinged platform-gate 1, provided with the hasp 2 formed with the orifice 3 and the fixed staple 19, the step-gate 9, horizontally hinged to the lower end of said platform-gate 1 and provided with the transverse orifice 13, the bolt 17, fixed to said step-gate and adapted to engage said hasp 14 or staple 19 and the curved bolt 6 formed with the parallel arms 8 8 and adapted to simultaneously engage the hasp 2 and the eye 4, substantially as shown and described.

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

ROBERT H. CATLETT.

Witnesses:

J. B. HERSHEY,
F. E. COLE.