

(No Model.)

J. A. BEAUMONT.
SAFETY CAR.

No. 436,330.

Patented Sept. 16, 1890.

Fig. 1

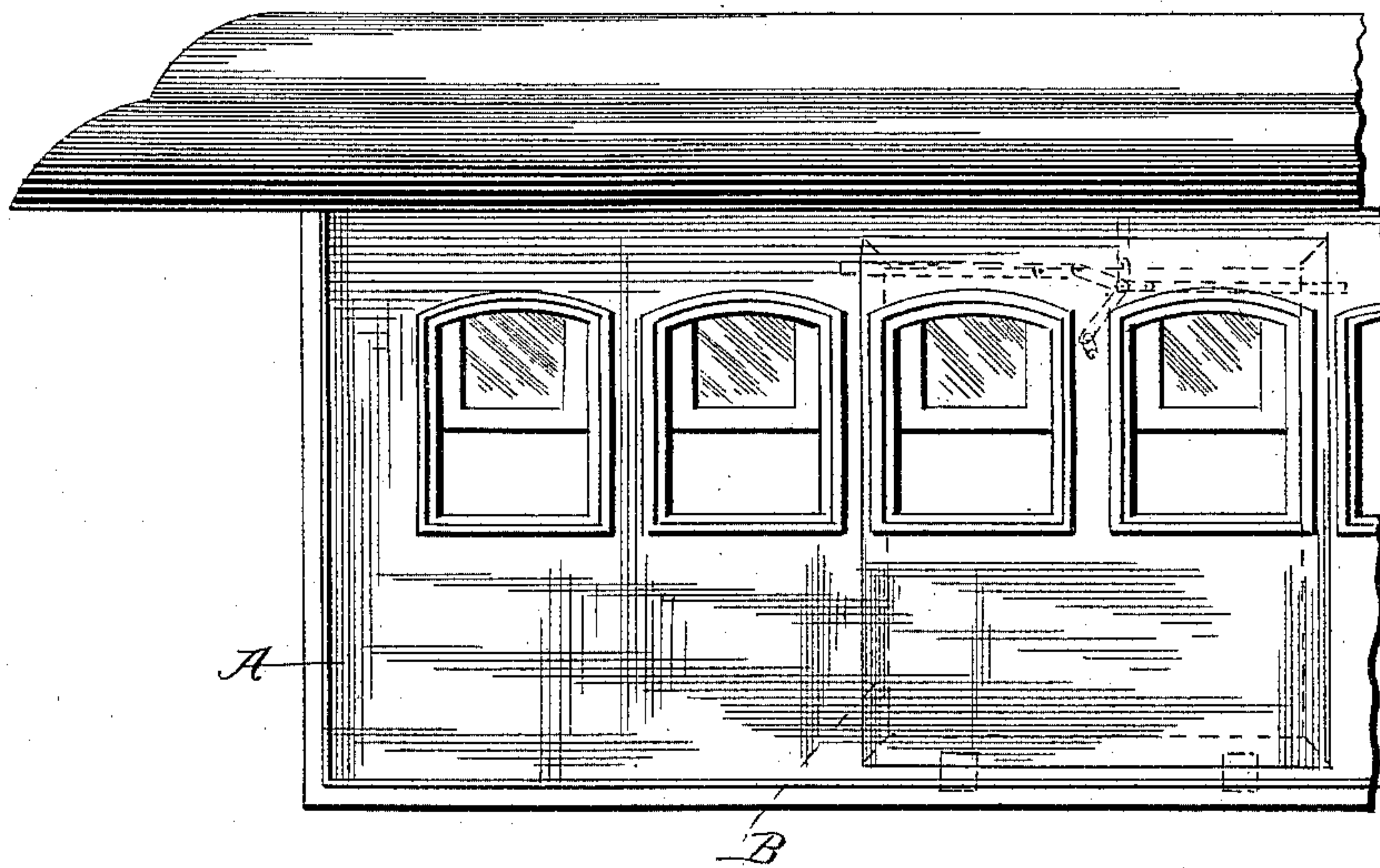


Fig. 2

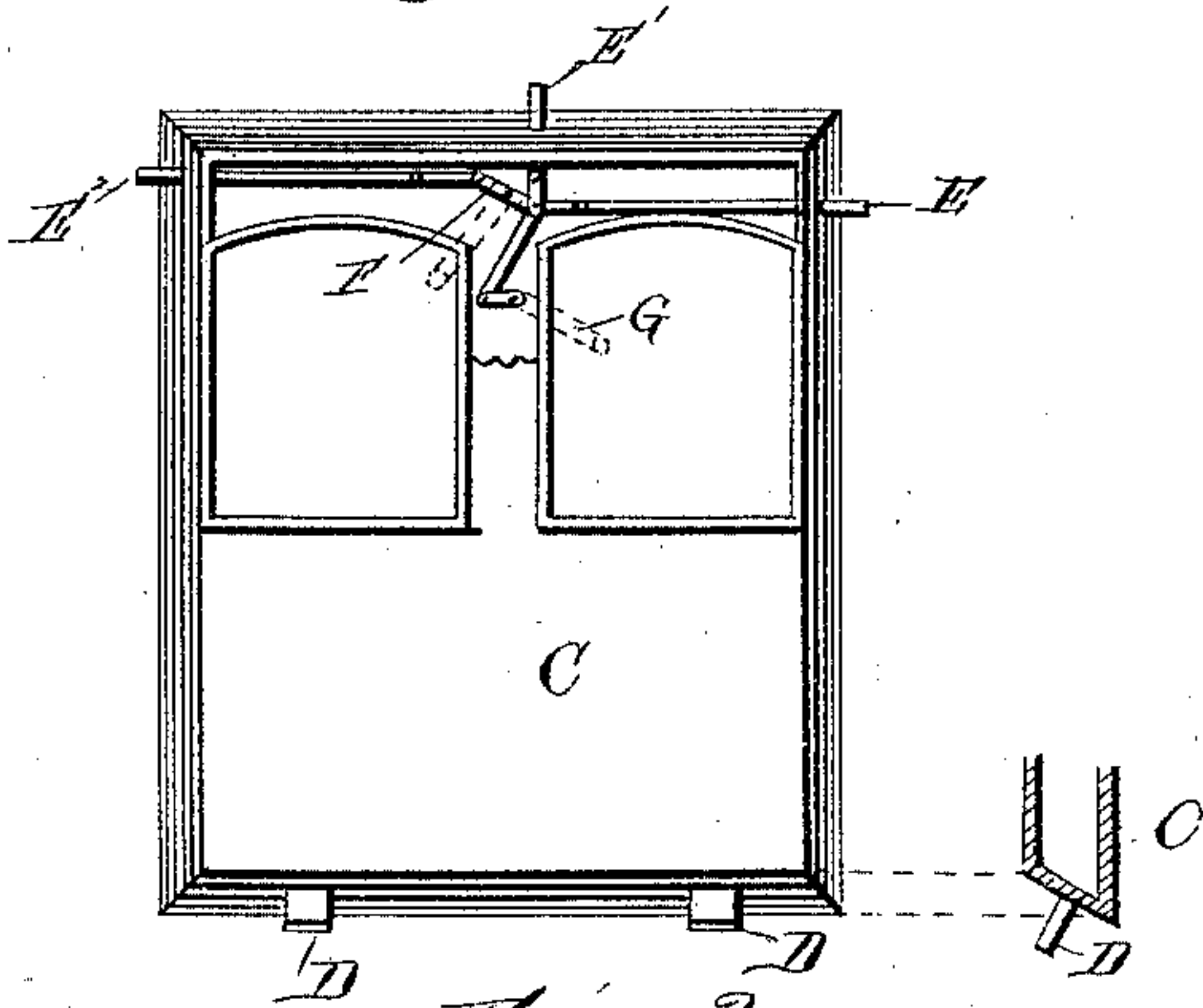
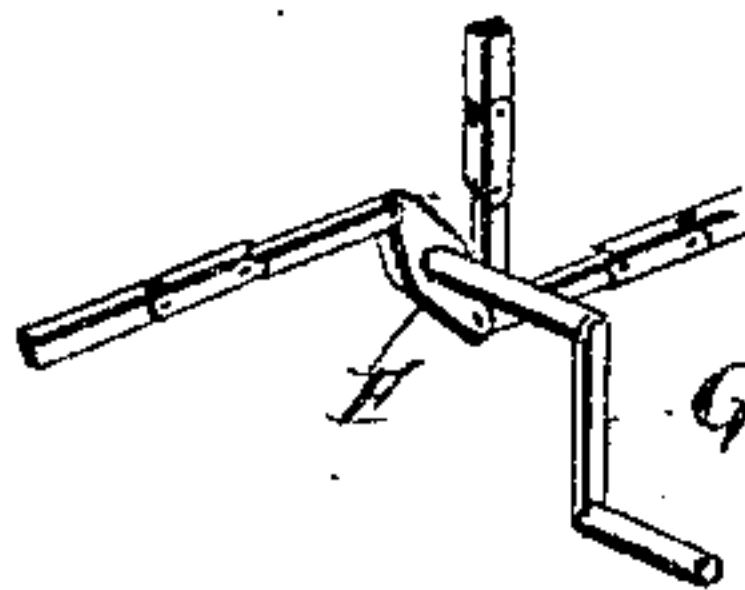


Fig. 3



Witnesses
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UNITED STATES PATENT OFFICE.

JEFFERSON A. BEAUMONT, OF WOODVILLE, MISSISSIPPI.

SAFETY-CAR.

SPECIFICATION forming part of Letters Patent No. 436,330, dated September 16, 1890.

Application filed May 20, 1890. Serial No. 352,498. (No model.)

To all whom it may concern:

Be it known that I, JEFFERSON A. BEAUMONT, a citizen of the United States, residing at Woodville, in the county of Wilkinson and State of Mississippi, have invented certain new and useful Improvements in Safety-Cars; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in safety-cars; and it consists in the construction and arrangement of parts hereinafter described and claimed.

The object of my invention is to provide a detachable section for a car which may be detached from the interior of the car in case of accidents to form an egress-opening for the passengers. I attain this object by the construction illustrated in the accompanying drawings, wherein like letters of reference indicate corresponding parts in the several views, and wherein—

Figure 1 represents a section of a car with my improvement. Fig. 2 is a detail inside view of a detachable section, showing the casing partly broken away. Fig. 3 is a detail perspective of a modified form of bolt-actuating means.

In the drawings, A represents a car having rectangular openings B in its sides with beveled edges, as shown in dotted lines. This opening is formed to occupy about the space of two windows, and extends nearly the height of the side. In the top and side walls of this opening are formed suitable bolt-holes, while in the bottom wall or sill is formed two inclined rectangular openings.

C is the removable section having beveled or chamfered edges adapted to closely fit the walls of the opening, the inclination of which permits of only an outward movement of the section. Two tongues D are secured at an incline to the lower part of the section and adapted to fit in the rectangular openings in the sill of the section-opening. In the upper

portion of the section are formed suitable bolt-holes through which the outwardly-extending bolts E E' E² pass. These bolts are arranged in suitable guides and have their inner ends pivotally secured to a rocking lever F, pivoted to the section. One end of this lever has a crank G thereon, (shown in dotted lines,) the movement of which forces the bolts simultaneously out or draws them in, as the case may be. In Fig. 3 I have shown the crank integral with the center of the lever. By the above construction it will be seen that should a car be thrown on its side the sections, which I intend placing two or more on both sides of the car, may be readily detached by turning the crank, forcing the bolts in to unlock the section, and permitting it to be forced up or off, the inclination of the lower tongues preventing them from binding and allowing the section to be easily forced out.

I am aware that many minor changes in the construction and arrangement of the parts of my attachment can be made and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a safety-car, a movable section having inclined edges, a series of movable bolts actuated by a crank in the upper part of the section, and tongues in the lower part, substantially as described.

2. In a safety-car having a series of openings therein formed with outwardly-inclined walls, removable sections fitted in said openings formed with inclined edges, and sliding bolts for retaining the sections in place and releasing them when drawn back, and a crank for operating said bolts simultaneously, substantially as described.

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

JEFFERSON A. BEAUMONT.

Witnesses:

I. S. JOSEPH,
W. C. MILLER.