Mar. 27, 1923. 1,449,403

F. HEDLEY ET AL

COLLAPSIBLE GUARD LOOKOUT STATION FOR RAILWAY CARS

Filed July 1, 1919

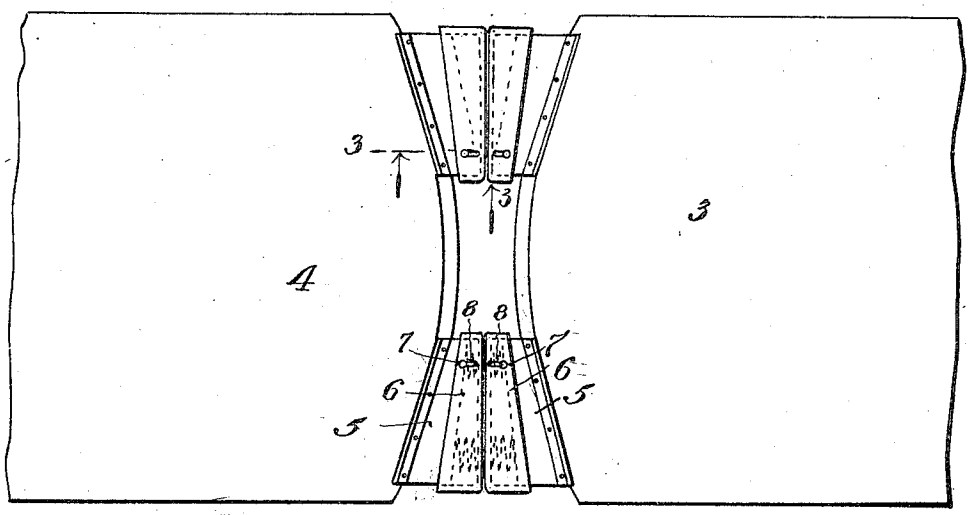


Fig. 2.

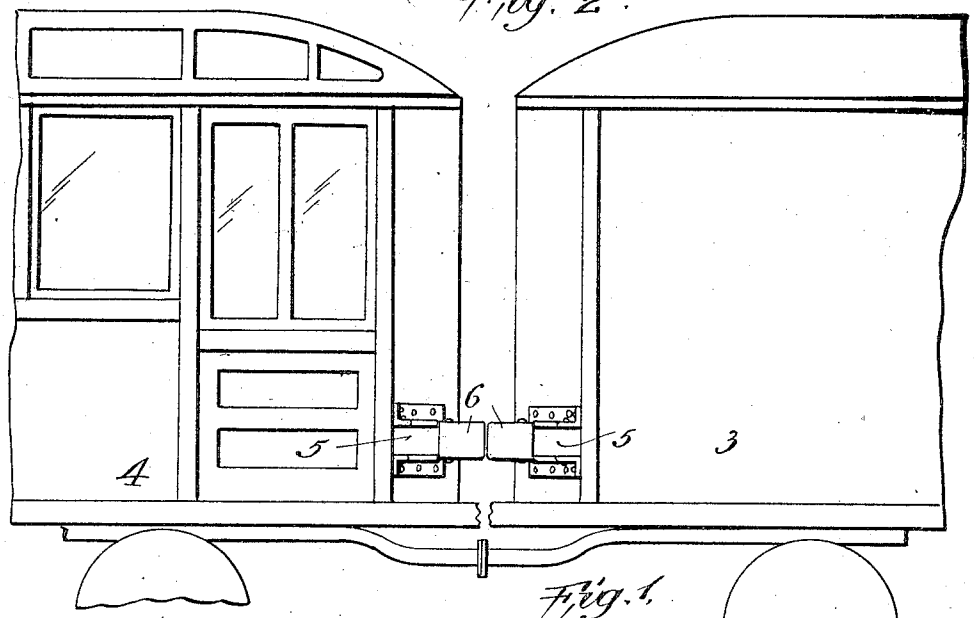


Fig. 1.

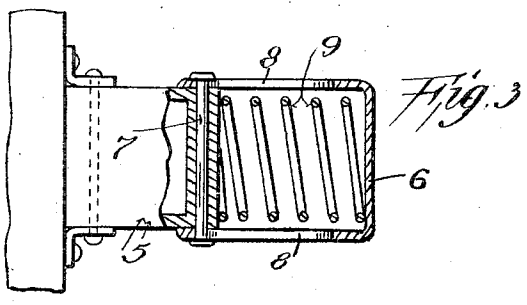


Fig. 3

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Patented Mar. 27, 1923. 1,449,403

UNITED STATES PATENT OFFICE.

FRANK HEDLEY, OF YONKERS, AND JAMES S. DOYLE, OF MOUNT VERNON, NEW YORK.

COLLAPSIBLE GUARD LOOKOUT STATION FOR RAILWAY CARS.

Application filed July 1, 1919. Serial No. 307,999.

To all whom it may concern:

Be it known that we, FRANK HEDLEY and JAMES S. DOYLE, both citizens of the United States, and residents, respectively, of Yonkers, and Mount Vernon, county of Westchester, State of New York, have made a certain new and useful Invention in Collapsible Guard Lookout Stations for Railway Cars, of which the following is a specification.

This invention relates to collapsible guard lookout stations for railway cars.

The object of the invention is to provide a collapsible or telescopic lookout support or platform for the guard employed on cars of subway and other trains.

Other objects of the invention will appear more fully hereinafter.

The invention consists substantially in the construction, combination, location and relative arrangement, all as will be more fully hereinafter set forth, as shown in the accompanying drawing, and finally pointed out in the appended claims.

Referring to the accompanying drawing,

Fig. 1 is a view in side elevation of the proximate ends of two adjacent cars of a train showing the application thereto of collapsible lookout platforms or guard stations embodying the principles of the invention.

Fig. 2 is a top plan view of the same.

Fig. 3 is a broken detail view in section through one of the platforms on the line 3, 3, Fig. 2, looking in the direction of the arrows.

In a companion application Serial No. 308,000; filed July 1, 1919, now Patent No. 1,413,913, dated Apr. 25, 1922, a lookout guard station or platform for the ends of cars is shown, described and claimed. The present invention relates to lookout guard stations or platforms of the nature and character and for the purposes set forth in said application, and consists essentially of a platform which is collapsible or telescopic whereby the platform area or standing room for the guard is extended while at the same time allowing for the relative side-wise movements of adjacent car ends while turning curves.

In the drawing reference numerals 3, 4, designate, respectively, the proximate ends of adjacent cars of a train. To the exterior surface of the end wall of each car is secured a suitable support 5, preferably at each side of the usual car coupling connections, and each of which supports are located at a suitable or convenient height above the level of the floor of the car and extend to approximately the vertical planes of the side walls of the car. The supports 5 on the end of one car are positioned opposite and extend towards the supports on the opposed end of the adjacent car. A U-shaped member 6 is fitted to receive each support 5 through the open portion thereof, said member being held to but permitted to slide upon its associated support in any suitable or convenient manner, as, for example, by means of securing bolts 7, which pass through slots 8 in the U-members 6. Springs 9 serve to yieldingly maintain the U-members in their extended positions with reference to the supports 5, but permit the U-member to collapse or telescope upon the supports 5 when the car ends turn or move relatively to each other in turning curves. Ordinarily the springs 9 maintain the oppositely disposed U-members distended into contact with each other as shown in Figs. 1 and 2, thereby increasing or extending the supporting area of the look-out platform without interfering with the relative movements of the cars in turning curves.

Having now set forth the objects and nature of the invention and a construction and arrangement embodying the same, what is claimed as new and useful is,—

1. The combination with a car, of a support secured to the exterior of the end wall of the car and extending approximately from the centre gate platform to the outer side wall of the car, and an extension U member carried thereby and movable thereon to afford a safety platform for the train guard.

2. The combination with a car, of a support secured to the exterior of the end wall of the car and extending approximately from the centre gate platform to the outer side wall of the car, of a U-member telescopically mounted on said support, and a spring interposed between said support and U-member.

3. The combination with the proximate ends of adjacent cars, of a support secured to the exterior of the end wall of each car, said supports being positioned opposite each other and extending approximately from the centre gate platform to the outer side wall of the car and an extension U member yieldingly supported on each support, said ex-

tension members presenting towards and bearing against each other to afford a safety platform for the train guard.

4. In a lookout platform for street and subway cars, a support on the end of said car extending approximately from the car-door platform to the outer side wall of the car, and an adjustable member yieldingly positioned on said support, an elongated slot near one end of said member for automatic adjustment with a like member on a similar support of an adjacent car to thereby constantly close this gap between said cars, and to provide a safe lookout platform for the train guard.

In testimony whereof we have hereunto set our hands on this 24th day of June A. D. 1919.

FRANK HEDLEY.
JAMES S. DOYLE.