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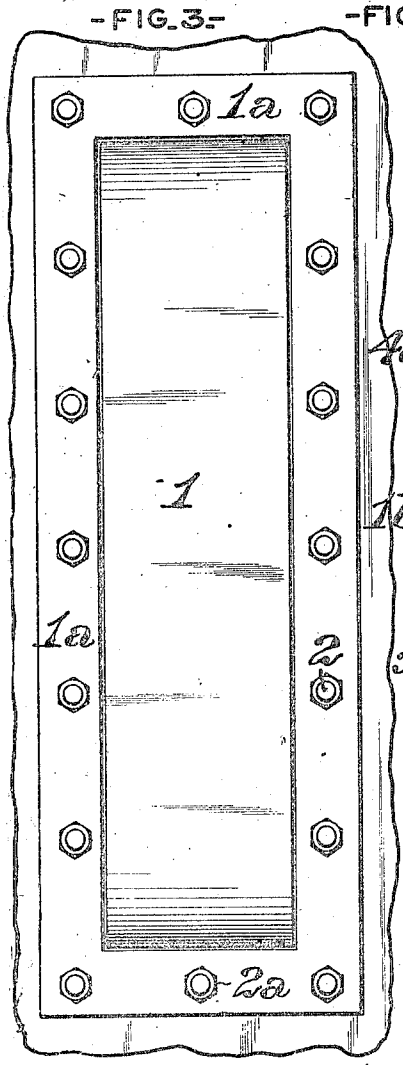
STRINGER SUPPORT FOR FREIGHT CARS.

APPLICATION FILED SEPT. 21, 1915.

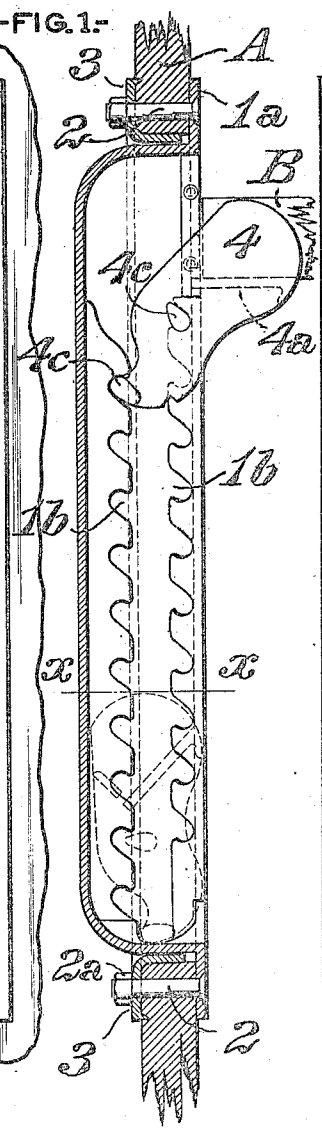
1,210,199.

Patented Dec. 26, 1916.

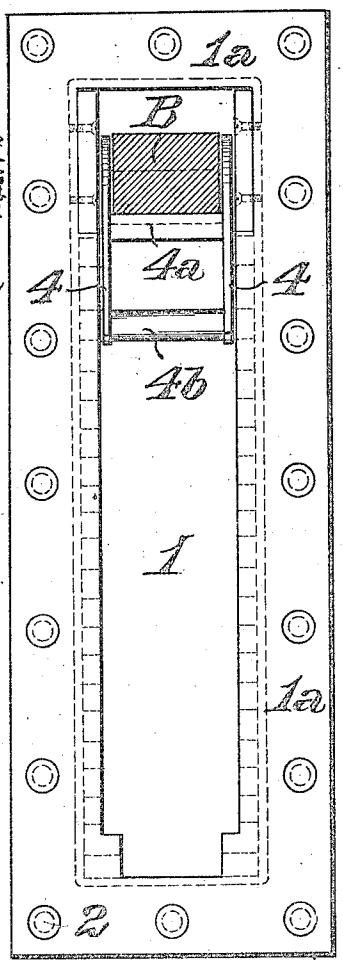
-FIG. 3.-



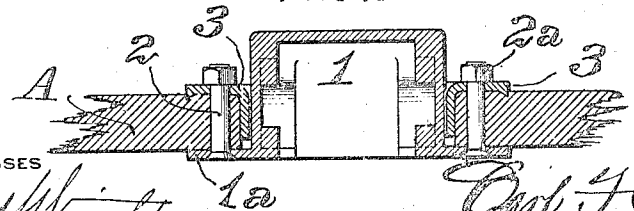

-FIG. 1.-




-FIG. 2.-




-FIG. 4.-




WITNESSES

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# UNITED STATES PATENT OFFICE.

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## STRINGER-SUPPORT FOR FREIGHT-CARS.

1,210,199. Specification of Letters Patent. Patented Dec. 26, 1916.

Application filed September 21, 1915. Serial No. 51,331.

*To all whom it may concern:*

Be it known that I, CARL F. PASSECK, of Alameda, in the county of Alameda and State of California, have invented a certain new and useful Improvement in Stringer-Supports for Freight-Cars, of which improvement the following is a specification.

In the use of box and other house freight cars it frequently becomes necessary to apply transverse stringers, at intervals, for the support of additional tiers of lading above the car floor, as when automobiles or similar articles are loaded, or for the support of additional decks, as in stock cars. Permanent stationary supports for such stringers fail to be satisfactory, as it becomes necessary to locate them, from time to time, at different heights. It is the present practice to nail cleats and other supports to the sides of the car, involving damage to the car and trouble and expense to the shipper, and, in the case of cars having steel sheathing, this expedient is not available, and various other complicated and expensive methods for supporting the stringers are resorted to.

The object of my invention is to provide a simple and inexpensive stringer support, which will constitute a permanent part of the car, having no loose parts to be lost or stolen, which will be adjustable for different desired heights of stringers; and which, when not in use, will not interfere with loading the car.

The improvement claimed is hereinafter fully set forth.

In the accompanying drawing: Figure 1 is a vertical longitudinal central section through a stringer support illustrating an application of my invention; Fig. 2, a rear view, in elevation, of the same; Fig. 3, a front view; and Fig. 4, a horizontal section, on the line *x*—*x* of Fig. 1.

Referring to the drawing, in the practice of my invention, I provide a rectangular case or pocket, 1, having a flange, $1^a$, extending around it, which case is fitted in a corresponding opening in the side, A, of a freight car, and is secured thereto by bolts, 2, and nuts, $2^a$, preferably with its inner face as nearly as practicable flush with that of the side of the car. In the case of wooden siding, a flanged plate, 3, is, as shown, fitted around the case, the nuts of the connecting bolts bearing on the outer face thereof. Two opposite rows of inclined recesses, $1^b$, are formed in each side of the case, 1, said recesses serving to receive lateral tongues or projections, $4^c$, formed on a vertically adjustable shelf or stringer seat, which comprises two parallel plates, 4, a horizontal upper connecting plate, $4^a$, adapted to serve as a seat for one end of a stringer, B, and a lower connecting bar, $4^b$.

When in the position shown in the drawing, it will be seen that the stringer seat is supported by the engagement of the tongues, $4^c$, with the adjacent pairs of recesses, $1^b$, and any desired adjustment may be made by turning the seat sufficiently to release the tongues, and reëngaging them when the seat is lowered to the position desired. When not in use, the seat may be dropped to the bottom of the case, where it will remain inclosed and out of the way, so as to be protected from injury, and not to interfere with the loading of the car.

It will be obvious that the means of adjustably supporting the stringer seat in the case may be varied within the discretion of the constructor, without departure from the spirit and operative principle of my invention, as for example by locating the tongues on the case and the recesses on the seat. I do not therefore limit my invention to the specific construction of adjustable supporting means which is herein exemplified.

I claim as my invention and desire to secure by Letters Patent:

1. A device for adjustably supporting stringer bars or shelves, comprising a case or pocket adapted to be mounted on a wall, the vertical sides of said case having formed therein two rows of oppositely facing, inclined recesses, and a bracket, adapted to support the end of a bar or shelf, and having two lugs projecting laterally from each side to simultaneously engage one recess in each of said rows.

2. A device for adjustably supporting the end of a bar or shelf, comprising a case or pocket adapted to be secured to a vertical surface and having two rows of oppositely facing recesses formed in its side walls, and

a bracket or seat member comprising two parallel plates, a horizontal seat plate between the same, and two lugs projecting laterally from the outer side of each parallel plate, said lugs adapted to engage recesses in said opposite rows to support the bar or shelf at any desired height, and said bracket being adapted to be tilted back and entirely contained within the case or pocket when not in use.

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