

No. 688,777.

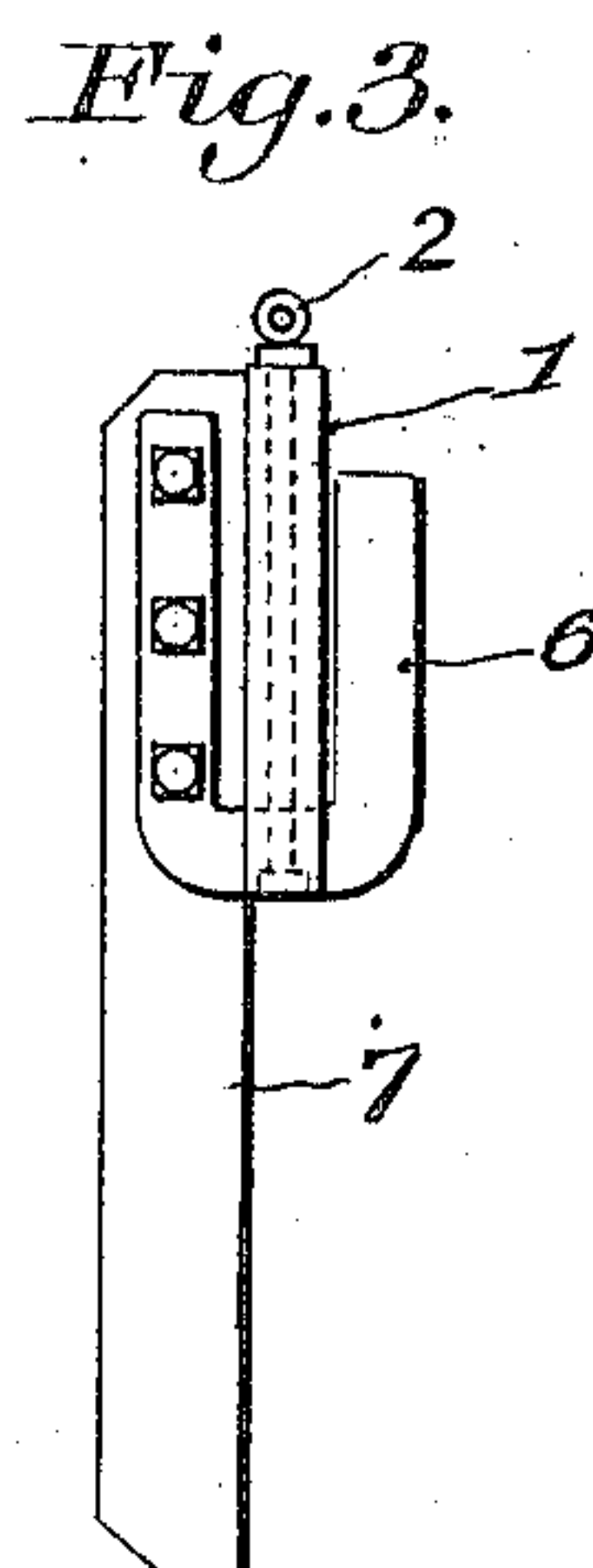
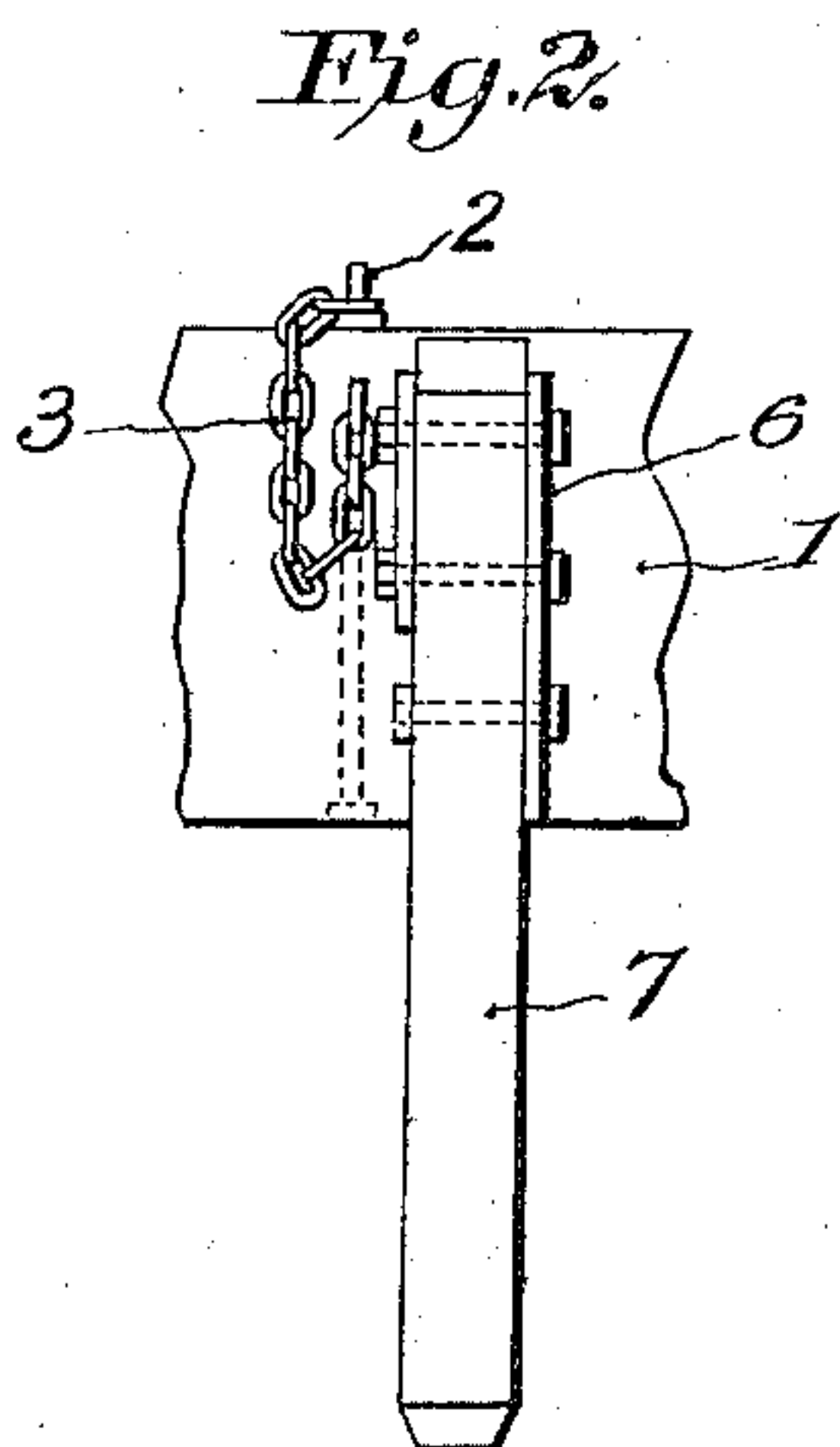
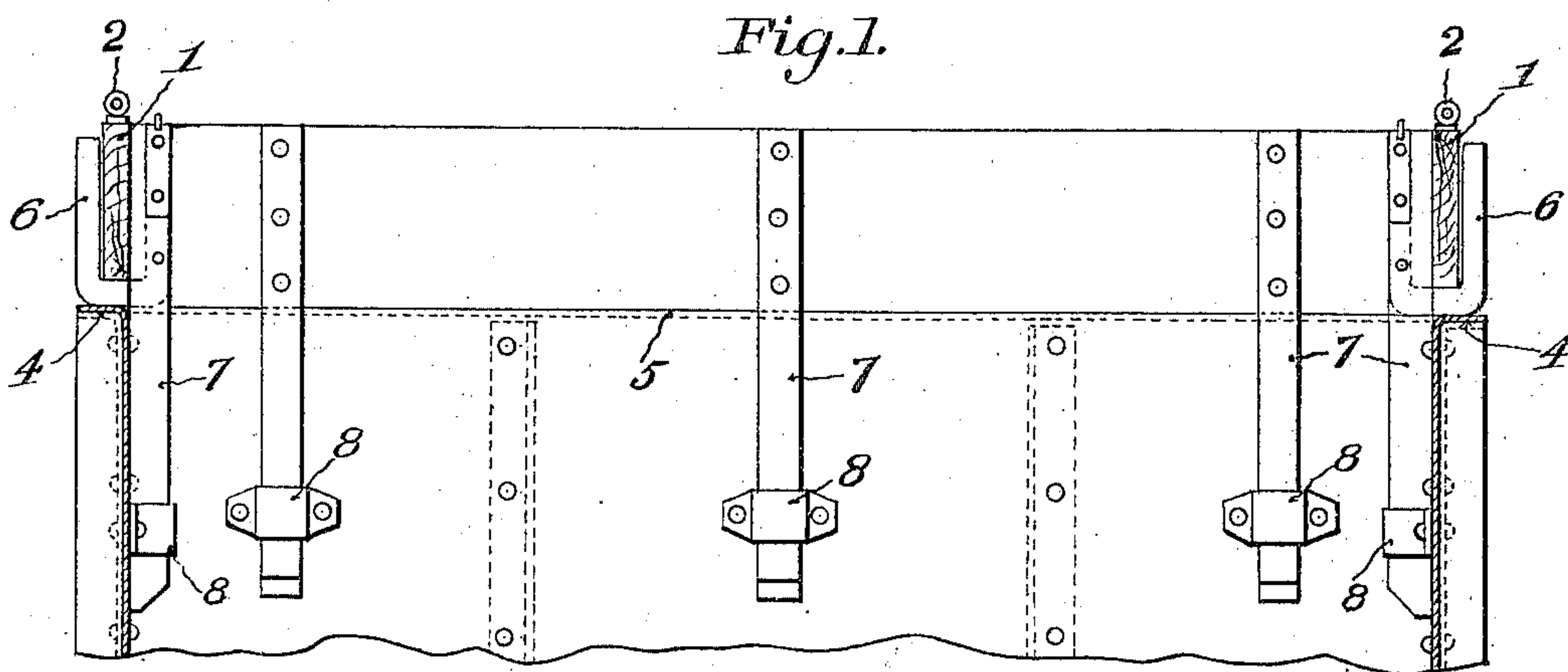
Patented Dec. 10, 1901.

J. M. HANSEN.

EXTENSION SIDE FOR RAILWAY CAR BODIES.

(Application filed Aug. 29, 1901.)

(No Model.)



Witnesses:

Harry S. Rohrer.
Ed. Finckel.

Inventor:

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Atty

UNITED STATES PATENT OFFICE.

JOHN M. HANSEN, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO PRESSED STEEL CAR COMPANY, OF PITTSBURG, PENNSYLVANIA, A CORPORATION OF NEW JERSEY.

EXTENSION SIDE FOR RAILWAY-CAR BODIES.

SPECIFICATION forming part of Letters Patent No. 688,777, dated December 10, 1901.

Original application filed December 21, 1900, Serial No. 40,649. Divided and this application filed August 29, 1901. Serial No. 73,729. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. HANSEN, a citizen of the United States, residing at Pittsburg, (formerly at Bellevue,) in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Extension Sides for Railway-Car Bodies, of which the following is a full, clear, and exact description.

10 This invention relates to railway freight-cars, and more particularly to cars used for conveying ballast and the like and which are commonly known as "center-dump" ballast-cars, and this case is a division of the application forming the subject of my application for
15 Letters Patent for center-dump ballast-cars filed December 21, 1900, Serial No. 40,649.

The object of the invention is to provide extension sides for the body to facilitate the
20 loading and unloading of the car and to increase its capacity at pleasure, all as I will proceed now more particularly to set forth and finally claim.

In the accompanying drawings, illustrating
25 my invention, in the several figures of which like parts are similarly designated, Figure 1 is a cross-section of the upper portion of the body of a ballast-car, illustrating my invention. Fig. 2 is a side elevation, and Fig. 3
30 an end elevation, with the parts detached, including the stake.

I have herein shown my invention, as in the parent application referred to, as applied to the extension of the sides of a center-dump
35 ballast-car of peculiar construction, but without thereby intending to limit my invention to that one kind of car; and for further description and illustration of the parts constituting the preferred form of under frame,
40 its accessories, and the car-body reference is made to the parent case mentioned and to the

divisions thereof filed August 21, 1901, Serial No. 72,832 and August 28, 1901, Serial No. 73,612.

It is oftentimes desirable to extend the vertical sides and ends of gondolas, ballast, dump-cars, and other cars of this general character; and for this purpose I provide the movable extensions 1, which may be boards connected by eyebolts 2 and chains 3 with the sides of the body and adapted to be dropped inside of the body when not in use and to be set up on the horizontal flanges 4 and 5 to raise the height of the sides and ends, and these parts may be supported and braced in this position by means of U-shaped hooks 6, secured to stakes 7, which latter may be movably or permanently applied in stake-pockets 8, secured to the inner sides of the sides and ends of the body, as shown more particularly in Fig. 1. The end extensions, as indicated in Fig. 1, may be permanently applied to the stakes and remain permanently in position, if desired.

Parts herein shown and not specifically claimed are reserved for the parent application above referred to or one or more of the other divisions thereof.

What I claim is—

The combination with a car-body, of stakes having U-shaped hooks, and movable side extension-boards movably connected with and supported by the said stakes and adapted to be removed from the said hooks, without displacing the latter, and suspended within the car-body, substantially as described.

In testimony whereof I have hereunto set my hand this 16th day of August, A. D. 1901.

JOHN M. HANSEN.

Witnesses:

CHAS. F. CHUBB,
WM. A. BIERMAN.