

W. WORSLEY.
Convertible Freight Cars.

No. 137,871.

Fig. 1.

Patented April 15, 1873.

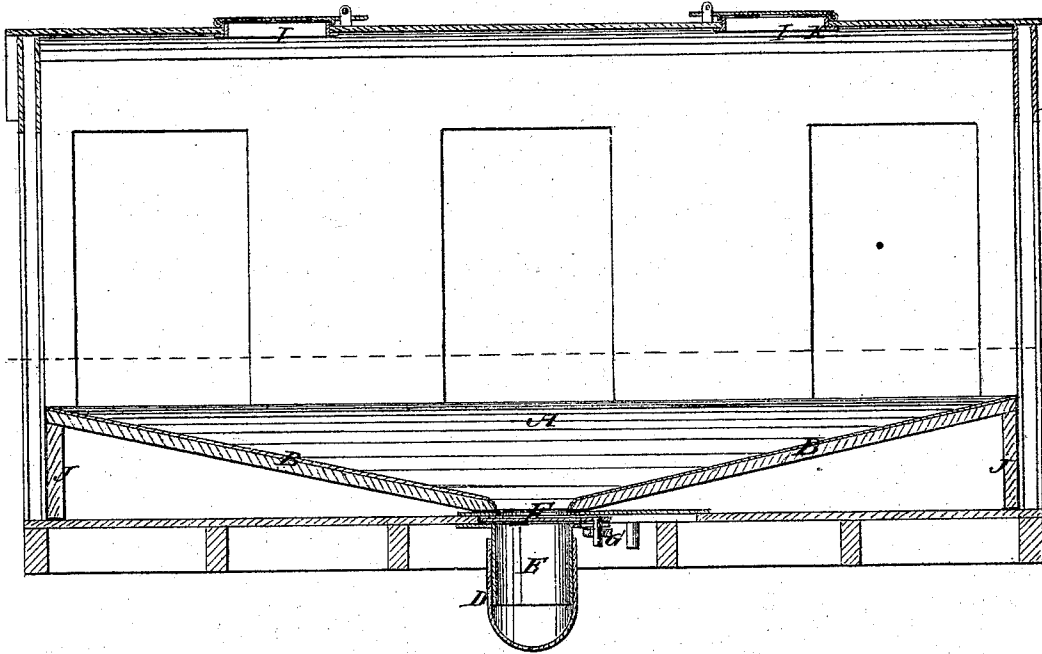
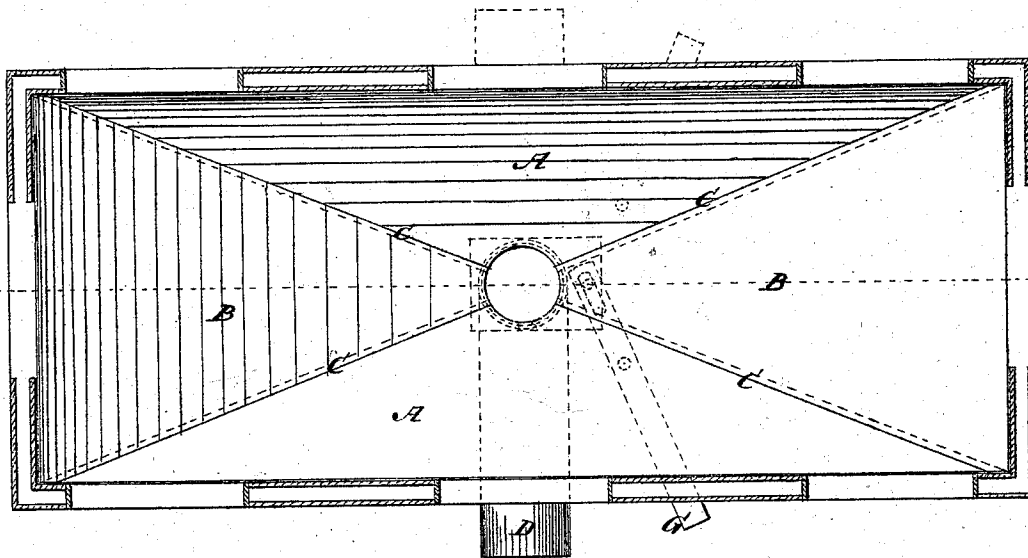


Fig. 2.



Witnesses:

E. Wolff
George. H. Mabee

Inventor:

William Worsley

PER

Munn & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM WORSLEY, OF LITTLE FALLS, NEW JERSEY.

IMPROVEMENT IN CONVERTIBLE FREIGHT-CARS.

Specification forming part of Letters Patent No. **137,871**, dated April 15, 1873; application filed November 11, 1871.

To all whom it may concern:

Be it known that I, WILLIAM WORSLEY, of Little Falls, in the county of Passaic and State of New Jersey, have invented a new and Improved Grain-Car, of which the following is a specification:

The invention consists in an improvement of grain-cars, as hereinafter described and pointed out in the claim.

Figure 1 is a longitudinal sectional elevation of my improved grain-car, and Fig. 2 is a horizontal section of the same.

Similar letters of reference indicate corresponding parts.

A represents two side pieces, and B two end pieces, of a hopper-shaped bottom, meeting each other on the lines C, where they will fit snugly together, or overlap by a sheet or strip of thin metal placed on one part; or, as I prefer, the whole bottom will be covered with sheet metal, which, being smoother than wood, will admit of the bottom being more flat than if made of wood. These sections are provided with supports J at the high ends to rest on the permanent floor of the car and give the necessary pitch to the bottom.

In this example I have represented the floor as only made of four sections, but in practice will increase the number of sections as may be necessary to facilitate the handling of them.

D is the swiveling elbow-spout attached to a vertical nozzle, E, fixed in the permanent

bottom of the car below the discharge-opening of the detachable hopper-bottom, said spout being arranged on said nozzle so that it can be shifted readily to discharge at either side of the car. F is the gate for closing the discharge, and G the lever for operating it. This lever is detachably connected to the slide; also to the pivots H, of which there are two, so that it can be shifted to either side when the spout is shifted.

I propose to have holes I in the car, with hatches to close them, through which holes the car will be loaded by spouting in the grain. The hatches will be fitted upon ribs K, raised slightly above the top of the car to keep out the rain.

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

1. The V-shaped detachable sections A B applied to a grain-car, substantially as and for the purpose described.

2. The nozzle E, combined, as described, with swiveled elbow-spout, so that the grain may be discharged on either side of car from the same nozzle.

The above specification of my invention signed by me this 31st day of October, 1871.

W. WORSLEY.

Witnesses:

GEO. W. MABEE,
T. B. MOSHER.