

B. J. La MOTHE.

CAR-PLATFORM.

No. 170,480.

Patented Nov. 30, 1875.

Fig. 2.

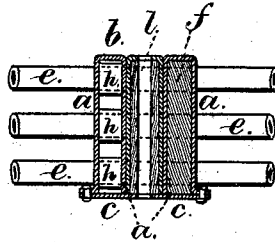
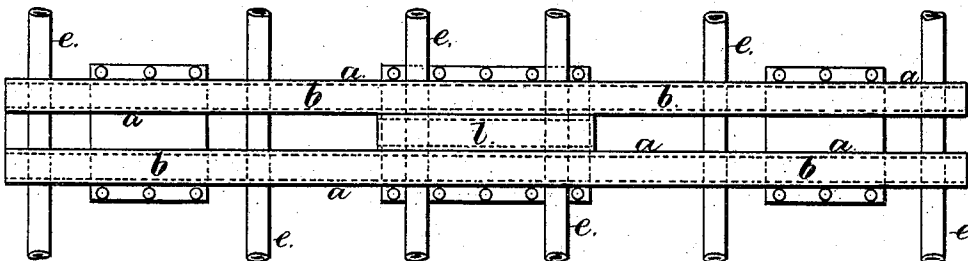


Fig. 1.



Witnesses,
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IMPROVEMENT IN CAR-PLATFORMS.

Specification forming part of Letters Patent No. **170,480**, dated November 30, 1875; application filed October 11, 1875.

To all whom it may concern:

Be it known that I, BERNARD J. LA MOTHE, of the city and State of New York, have invented an Improvement in Metallic Car-Platforms, of which the following is a specification:

Metallic car-platforms have been made of iron tubes running transversely and longitudinally. Devices of this general character will be found in patents heretofore granted to me in a pending application.

My present invention relates to a peculiarly-constructed transom-beam, to be used at the king-bolt or center-pin, by which the truck-frame is connected with the car-platform. I make said transom-beam of iron, hollow, and of an oblong form sectionally, and pass the iron tubes or rods of the platform directly through the said transom-beam, and secure the parts together, so that the said transom-beam becomes part of the platform, and receives the weight of the car and supports the same upon the truck.

This construction of transom-beam allows the floor of the car to be lower than now usual, because it comes within the frame-work of the floor instead of below it, and at the same time the parts are not weakened, as usual with wooden transom-beams where the floor-timbers are notched into the transom-beam, and both are thereby weakened.

In the drawing, Figure 1 is a plan, and Fig. 2 is a cross-section, of the improved transom-beam.

The sides *a a*, top *b*, and bottom *c* of said beam are preferably made of one plate of iron, bent at the angles, and forming a hollow tube

of an oblong shape sectionally, and the edges of such metal plate may be united by rivets, if desired. The metallic tubes or bars *e* of the car-platform pass entirely through the sides *a a* of this transom-beam. The other portions of the platform may be of any desired construction, or as heretofore set forth in my patents.

If the said transom-beam is filled with wood or other light material, as at *f*, the tubes *e* may be held from slipping endwise by nuts screwed upon them, or by slightly flattening the tubes outside of and contiguous to the sides *a* of the transom-beam.

If the transom-beam is left hollow it is preferable to employ short sleeves or thimbles, as at *h*, of a length corresponding to the distance between the sides *a a* of the transom-beam, and to pass the tubes *e* through such thimbles, and secure them as aforesaid.

When two transom-beams are placed side by side, which is preferable, as shown, then the king-bolt of the truck will pass through a block, *l*, secured between said beams; but where only a single beam is used the block for the bolt will be within it.

I claim as my invention—

The transom-beam of a car-platform, made of plate-iron, with the metal tubes or rods *e* of the platform running through the sides *a a* of such transom-beam, substantially as set forth.

Signed by me this 6th day of October, 1875.

B. J. LA MOTHE.

Witnesses:

GEO. T. PINCKNEY,
GEO. D. WALKER.