

J. W. LAMB.
Car-Couplings.

No. 153,968.

Patented Aug. 11, 1874.

Fig 1.

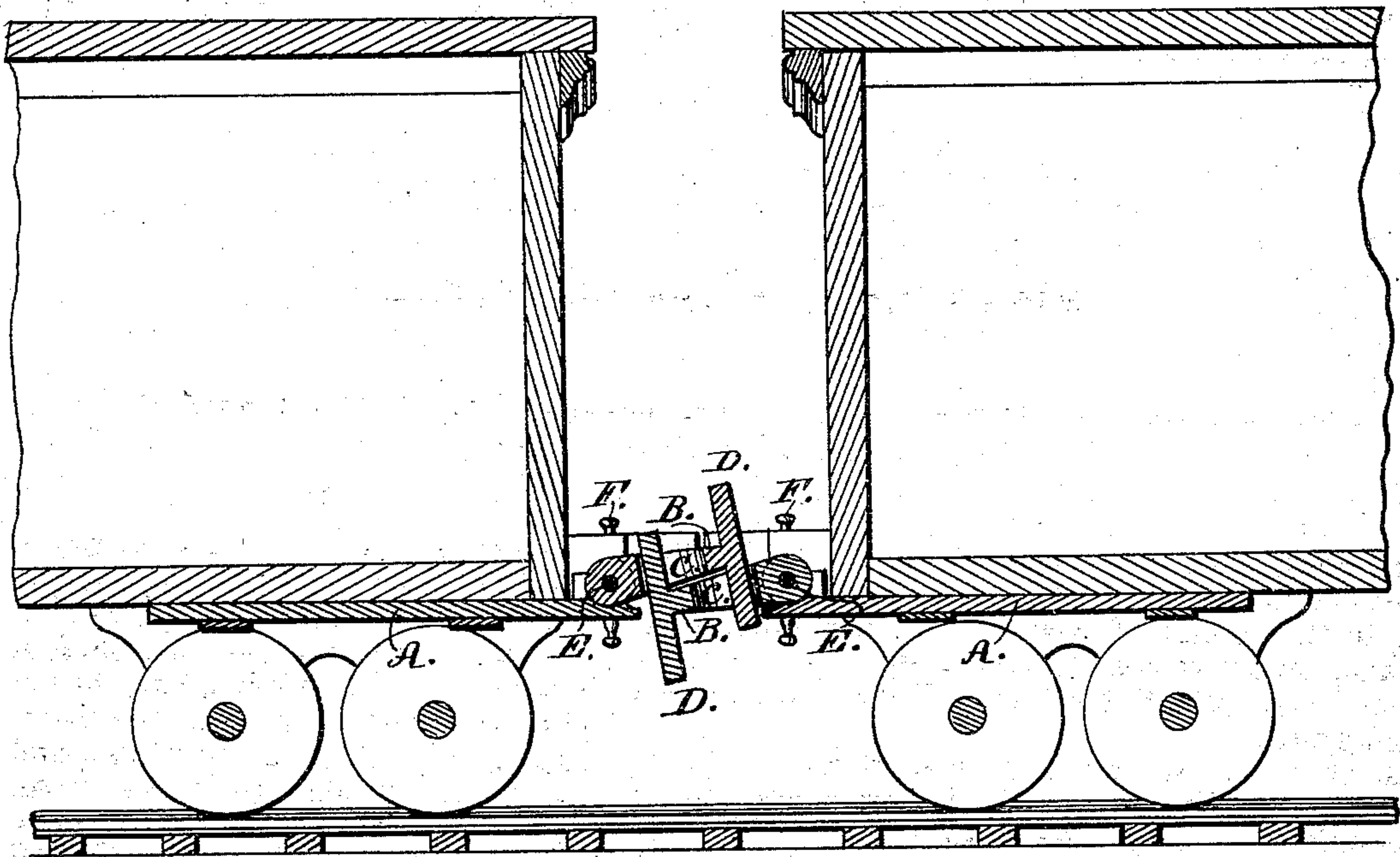
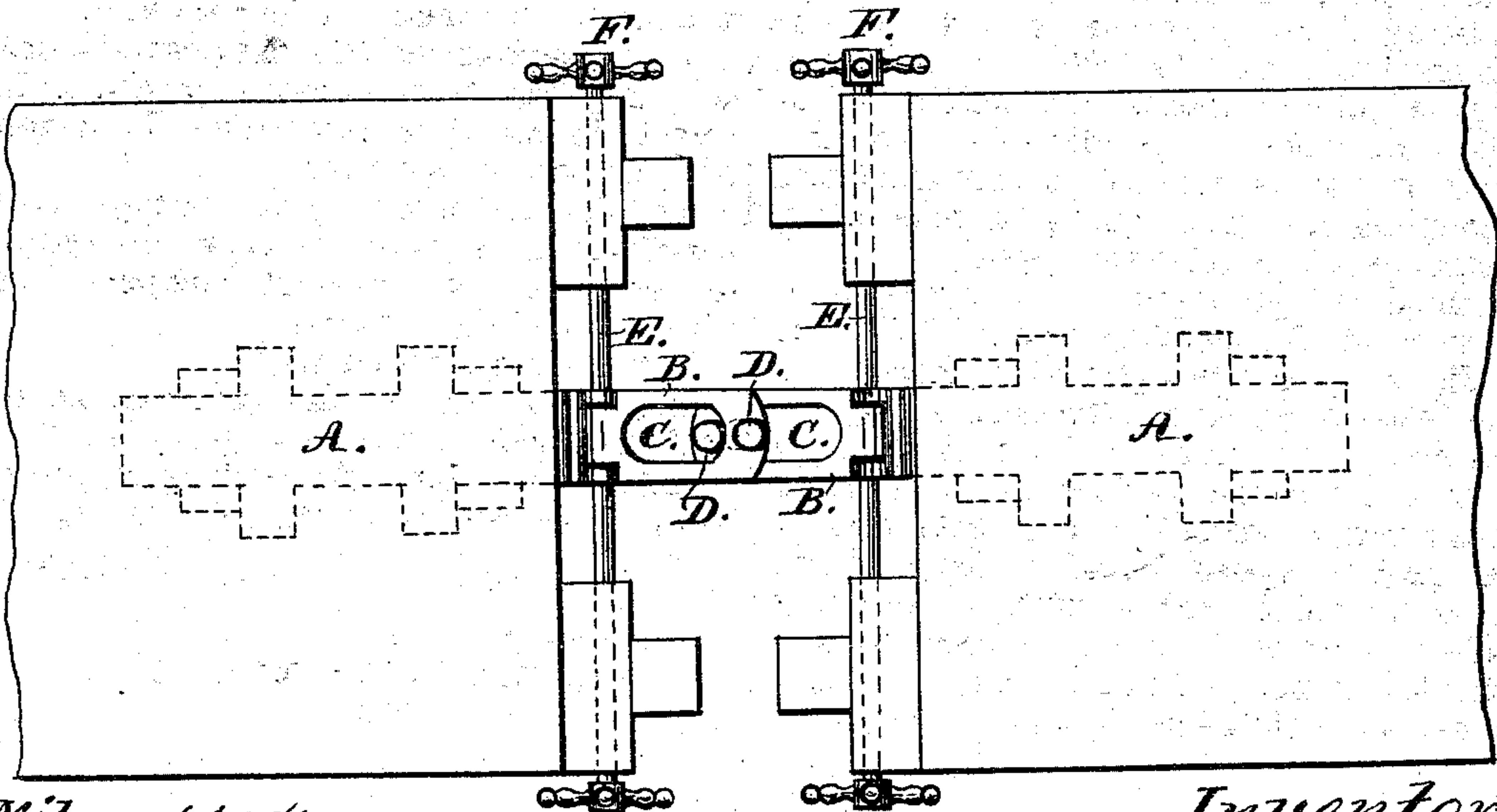


Fig 2.



Witnesses:

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JOHN W. LAMB, OF ELKHART, INDIANA.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **153,968**, dated August 11, 1874; application filed March 18, 1874.

To all whom it may concern:

Be it known that I, JOHN W. LAMB, of Elkhart, in the county of Elkhart and State of Indiana, have invented certain Improvements in Car-Couplings, of which the following is a specification:

The object of this invention is to furnish a simple car-coupling, by which the attendant can couple and uncouple the cars and be placed entirely out of danger.

The invention consists of a coupling-bar having an opening and provided with a coupling-pin adapted to interlock with the opening in the coupling-bar of the adjacent car, said bars being rigidly connected to a transverse shaft projecting from the side of the car, and having a suitable handle, by which the attendant can stand at the side of the car and operate said transverse rod to raise and lower the coupling-bar for coupling or uncoupling the cars, as will hereinafter appear.

In the drawings, Figure 1 represents a section view of the coupling applied to a car, and Fig. 2 represents a plan view thereof.

The letter A represents the draw-bar, which is attached to the under side of the body of the car, and through the forward end of which passes a rod or shaft, E, one or both ends of which project beyond the side of the platform, and are provided with a suitable operating handle or handles, F. To the central portion of this transversely-arranged shaft is rigidly attached a coupling-bar, B, which is provided

with an elongated opening, C, and a lateral pin or pins, D, projecting at right angles from the coupling-bar. In this manner, when the cars are brought together, and the shaft E turned so as to raise the coupling-bar, the pin D on the latter is caused to enter the slot C in the coupling-bar of the adjacent car, and the pin D on the coupling-bar of the latter is caused to enter the slot in the opposite coupling-bar, thereby making an effectual coupling. In order to uncouple the cars, it is only necessary to raise the coupling-bar so as to cause its pin to be disengaged from the opposite bar, this being accomplished by turning the shaft E by means of its handle F.

It will be observed from the above-described coupling that the attendant is placed entirely out of danger while performing the coupling and uncoupling operation.

Suitable bumpers may be arranged on the car-platforms in order to guard the coupling devices, one form of which bumpers I have illustrated in the drawing.

I claim as my invention—

The combination of the transverse shaft E, with the rigidly-attached coupling-bar B, provided with the slot and coupling-pin, substantially as and for the purpose described.

JOHN W. LAMB.

Witnesses:

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