

J. B. MEADLEY.

CAR-COUPLING.

No. 176,874.

Patented May 2, 1876.

Fig. 1

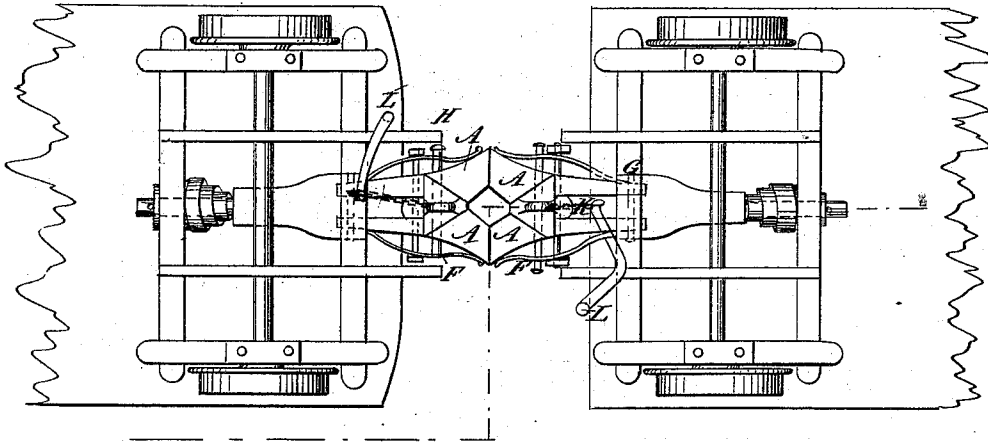


Fig. 2

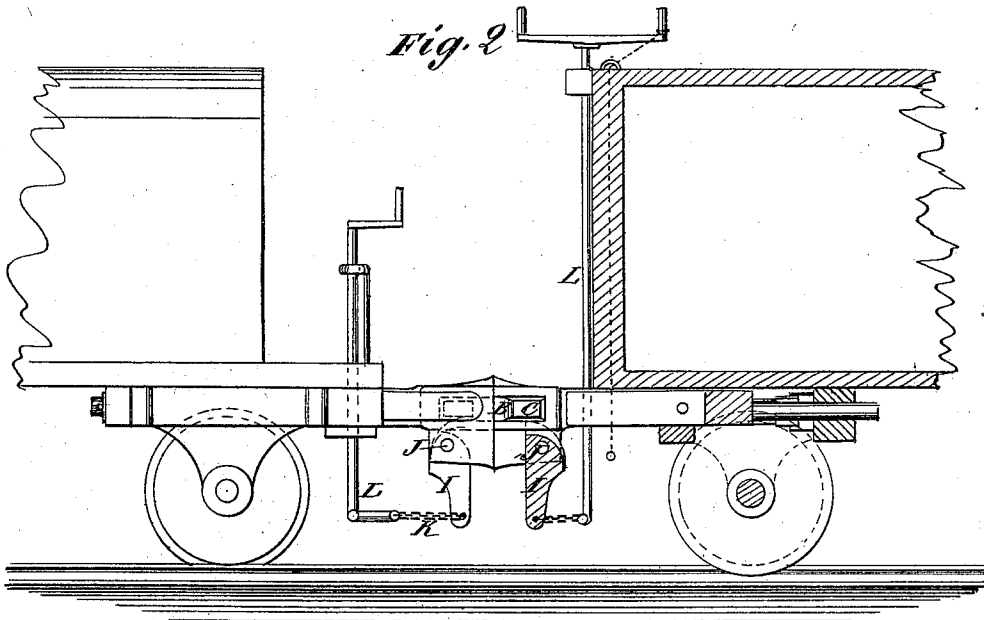
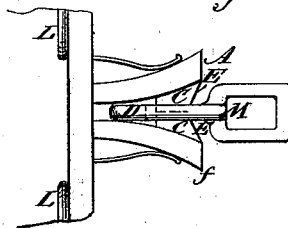


Fig. 3



WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

JABEZ B. MEADLEY, OF DAVENPORT, IOWA.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **176,874**, dated May 2, 1876; application filed March 6, 1876.

To all whom it may concern :

Be it known that I, JABEZ B. MEADLEY, of Davenport, in the county of Scott and State of Iowa, have invented a new and Improved Car-Coupling, of which the following is a specification :

My invention consists of a contrivance of spring-jaws for opening and receiving the link and securing it self-actingly, together with a cam, chain, and crank, whereby the jaws can be opened from the top or side of the car, so as to avoid the exposure to danger to which the attendant is subject when going between the cars for coupling and uncoupling, all as hereinafter described.

Figure 1 is a plan of my improved coupling inverted. Fig. 2 is partly a side elevation, and partly a longitudinal section. Fig. 3 is a detail showing a modified form of link by which my improved coupling may be connected to ordinary cars.

Similar letters of reference indicate corresponding parts.

A represents the jaws for coupling the link B by means of studs C, which spring into the eye or opening of the link when the said eye passes in between the jaws, which it wedges open by its rounded or wedge-shaped end D, pressed into the angle E between the jaws. F represents the springs for pressing the jaws

together ; they and the jaws are connected to the draw-bar at G by a bolt, so that they are free to open and close, and at H is another bolt going through the jaws, and the springs to regulate the tension of the latter by nuts outside of the springs. I represents the cam for opening the jaws ; it is pivoted at J below the jaws, and connected by a chain, K, with a cranked rod, L, extending up to the top of platform, or to the top of the car, for working it to open the jaws and let the link escape.

This coupling may be connected with cars having the ordinary link contrivance by a link, M, constructed with two end parts at right angles to each other.

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

In a car-coupler, the horizontally-opening spring jaws A A, formed with an angle in front by which the link may open them, and a subjacent angle by which the intermediate-working cam may open them, as shown and described.

JABEZ BUNTON MEADLEY.

Witnesses :

N. F. GERVAISE,
GEO. E. HUBBELL,
WILLIE MEADLEY.