(No Model.)

L. QUISENBERRY.

CAR COUPLING.

No. 345,319. Patented July 13, 1886.

Fig. 1.

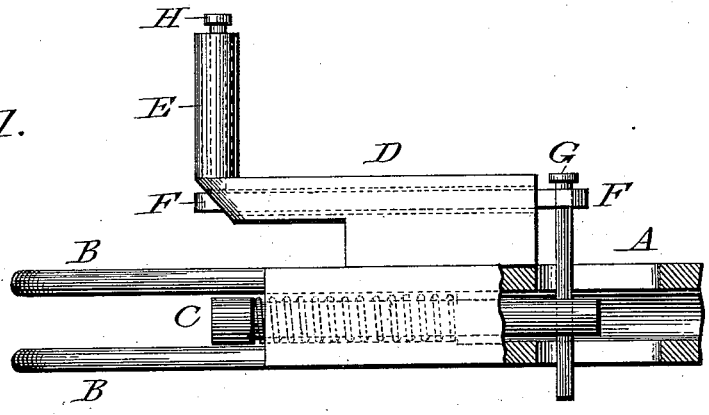


Fig. 2.

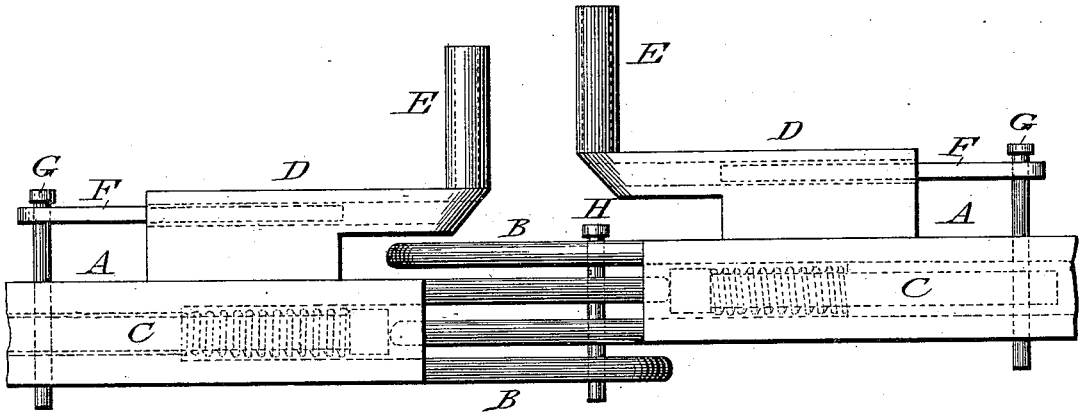
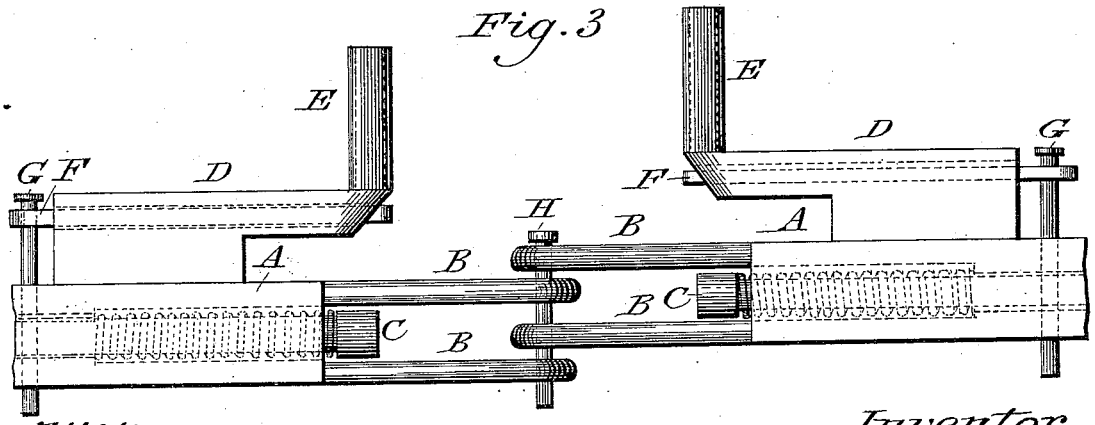


Fig. 3



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LEONIDAS QUISENBERRY, OF CARROLLTON, MISSOURI.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 345,319, dated July 13, 1886.

Application filed April 6, 1886. Serial No. 198,026. (No model.)

To all whom it may concern:

Be it known that I, LEONIDAS QUISENBERRY, a citizen of the United States, residing at Carrollton, in the county of Carroll and State of Missouri, have invented a new and useful Car-Coupler, of which the following is a specification.

This invention relates to that class of car-couplers for freight-cars in which there is a hollow beam with two straight and stationary links on one end of said beam, one directly above the other, with a space between the links, and a rod with wire spring on same in the hollow of said beam, and a pin-holder attached to said beam on upper side of same. Said pin-holder consists of a hollow beam with a vertical tube on one end of same to receive or hold the pin, and a rod in the hollow of said beam, one end of said rod being directly under the vertical tube for the pin to rest on, the other end of said rod being connected with the rod and wire spring in main beam by means of a bolt.

The object of my invention is to afford facilities for the proper coupling of freight-cars, and render it unnecessary for a person to stand between the cars to adjust the link and pin as the cars come together or couple, making it a self-coupler. I attain this object as illustrated by the accompanying drawings, in which—

Figure 1 represents the coupler complete and ready for use. Fig. 2 represents the coupler as the cars are being coupled, with pin just dropped from tube into the links; Fig. 3, after the cars are coupled and in motion.

Similar letters refer to similar parts.

A is the hollow beam, with links B B, rod and wire spring C in the same. The pin-holder D is attached to upper side of beam A, placing the vertical tube E of said pin-holder directly over the center of links B B. Rod F in pin-holder being under tube E, holds pin H in tube E and connecting rod F to rod and wire spring C by means of bolt G. One end of bolt G being fastened to rod, and wire spring C passing up through beam A to and through the end of rod F in pin-holder, place pin H in vertical tube E, thus making the coupler complete and ready for use. When the coupler is attached to the car, all to the right of tube E, as in Fig. 1, will be under the car and out of the way.

The coupler being the same on each car, as the cars come together links B B pass between each other, pushing back rod C in beam A. The rod C, being connected to rod F in pin-holder D by means of bolt G, causes rod F to slide from under pin H in vertical tube E, letting pin H drop into links B B, thereby coupling the cars together.

When the cars are to be uncoupled, pin H is taken out of links B B by hand and placed in vertical tube E, thus leaving it ready to couple again.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The hollow beam A, with two straight and stationary links, B B, on one end of said beam, rod and wire spring C in said beam, all substantially as set forth.

2. The pin-holder D, with hollow beam and vertical tube E on one end of said beam, to receive or hold the pin H and rod F in the hollow beam of said pin-holder D, one end of said rod being directly under the vertical tube E for pin H to rest on, the other end of said rod being connected with the rod and wire spring C in the beam A by means of bolt G.

3. The combination of the hollow beam A with pin-holder D and connecting rod F in beam of pin-holder D by bolt G to rod and wire spring C in beam A, all substantially as set forth.

LEONIDAS QUISENBERRY.

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