

(No Model.)

H. W. RIST.
CAR COUPLING.

No. 498,190.

Patented May 23, 1893.

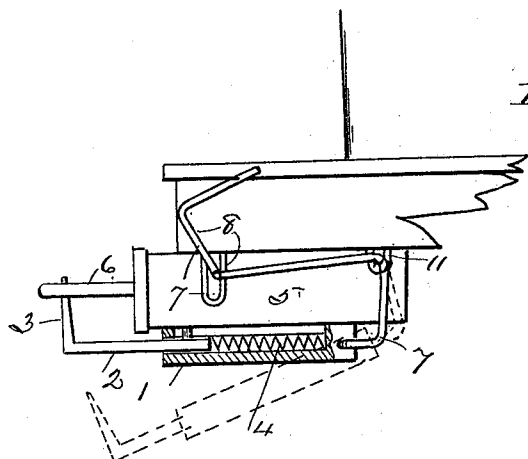


Fig. 1.

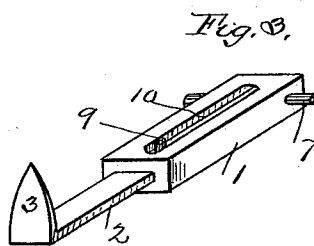


Fig. 3.

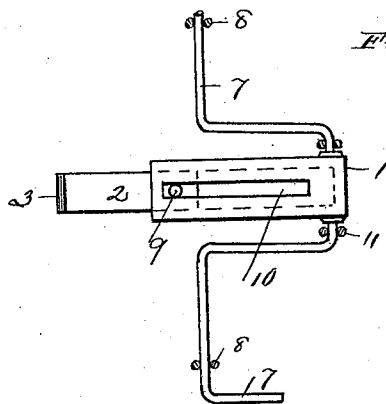


Fig. 2.

WITNESSES:
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HENRY WILLIAM RIST, OF ALLEGHENY, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO ELIZABETH KLOES, OF SAME PLACE.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 498,190, dated May 23, 1893.

Application filed July 11, 1892. Renewed April 27, 1893. Serial No. 472,126. (No model.)

To all whom it may concern:

Be it known that I, HENRY WILLIAM RIST, a citizen of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Freight-Car Couplers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved attachment for car couplers, and consists in a device for holding the coupler links in a horizontal position while coupling cars, and the invention consists in certain details of construction, and combination of parts as will be fully described hereinafter.

In the accompanying drawings, Figure 1 is a side elevation of a car coupler, showing my improved device for coupling cars partly in section. Fig. 2 is a plan view detached from the coupler. Fig. 3 is a perspective view of my improved device.

To construct a device in accordance with my invention I provide a box 1, having an opening formed in the direction of its length, and a slot 10 in the upper face of the same. Secured within this box 1, is a bar 2 capable of moving in or out of the box, and limited in said movement by an upwardly projecting pin 9, passing through the slot 10. This bar 2, is backed by a spring 4, and provided with an upwardly extending front portion 3 for the purpose of engaging with the coupler link 6.

This box 1, constructed as described is rigidly attached to a lever 7, and hinged beneath the draw head 5, by means of staples 11, and limited in its movement by the said lever passing through other staples 8.

To couple cars by this device, the forward end of the link 6 is held in a horizontal position by means of the forward end 3 of the bar 2, and pressure brought against the lever 7. When the draw head strikes the bar 2 the same will move inward, and after the coupling has been made the box 1 will drop to a position such as shown in dotted lines at Fig. 1 of the drawings, and the bar moved to its normal position by the action of the spring at the rear of the same.

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

The herein described device for coupling cars, consisting of the box 1, hinged beneath the draw head, and adapted to be operated vertically by means of a bent lever 7, a bar 2 having an upwardly extending portion 3 operating in said box, a spring 4 at the back of the said bar, and a means for limiting the movement of the said bar, all arranged and combined for service, substantially as and for the purpose described.

In testimony that I claim the foregoing I hereunto affix my signature this 2d day of May, A. D. 1892.

HENRY WILLIAM RIST. [L. S.]

In presence of—

JAS. J. MCAFEE,
JOSEPH CROWN.