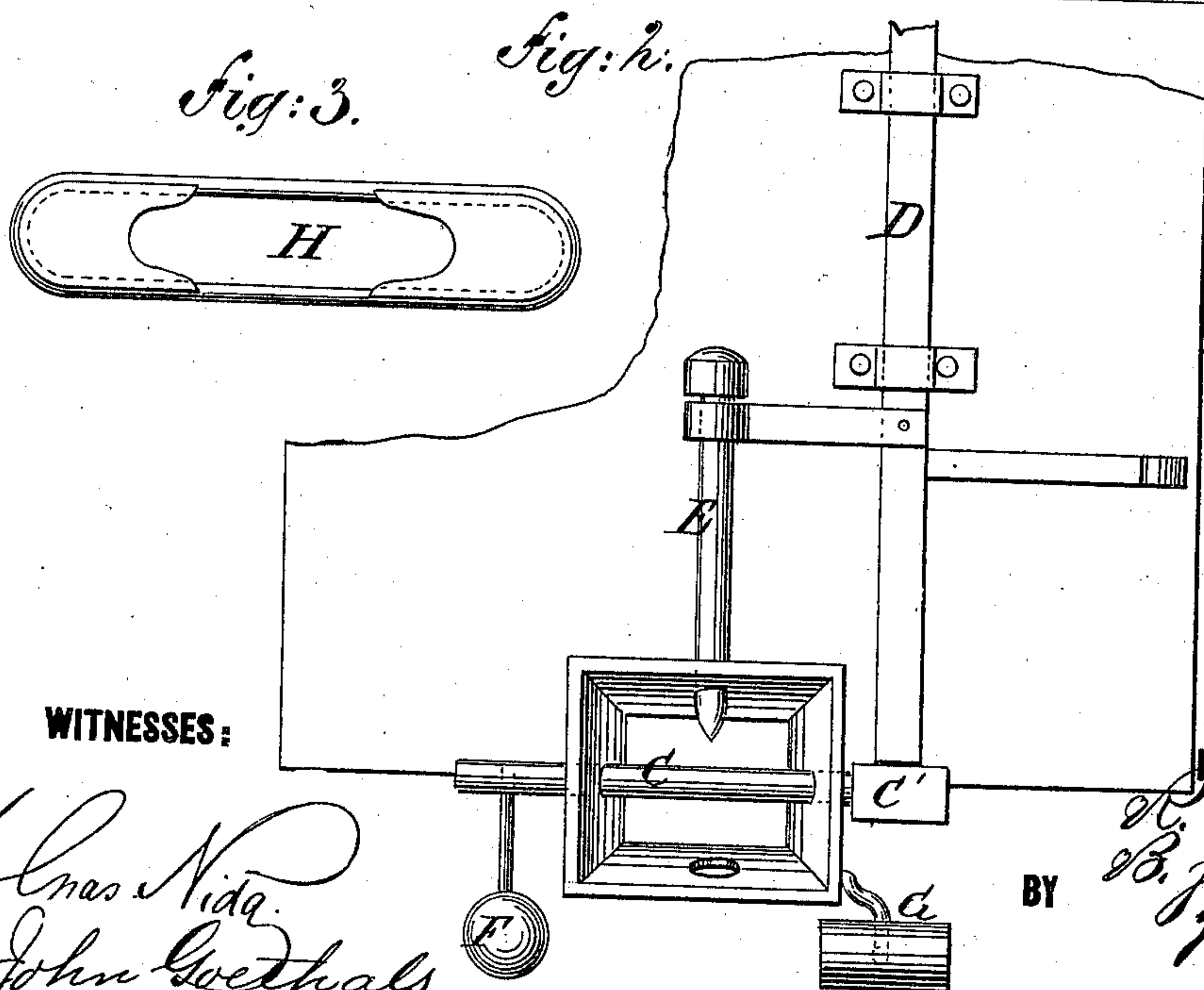
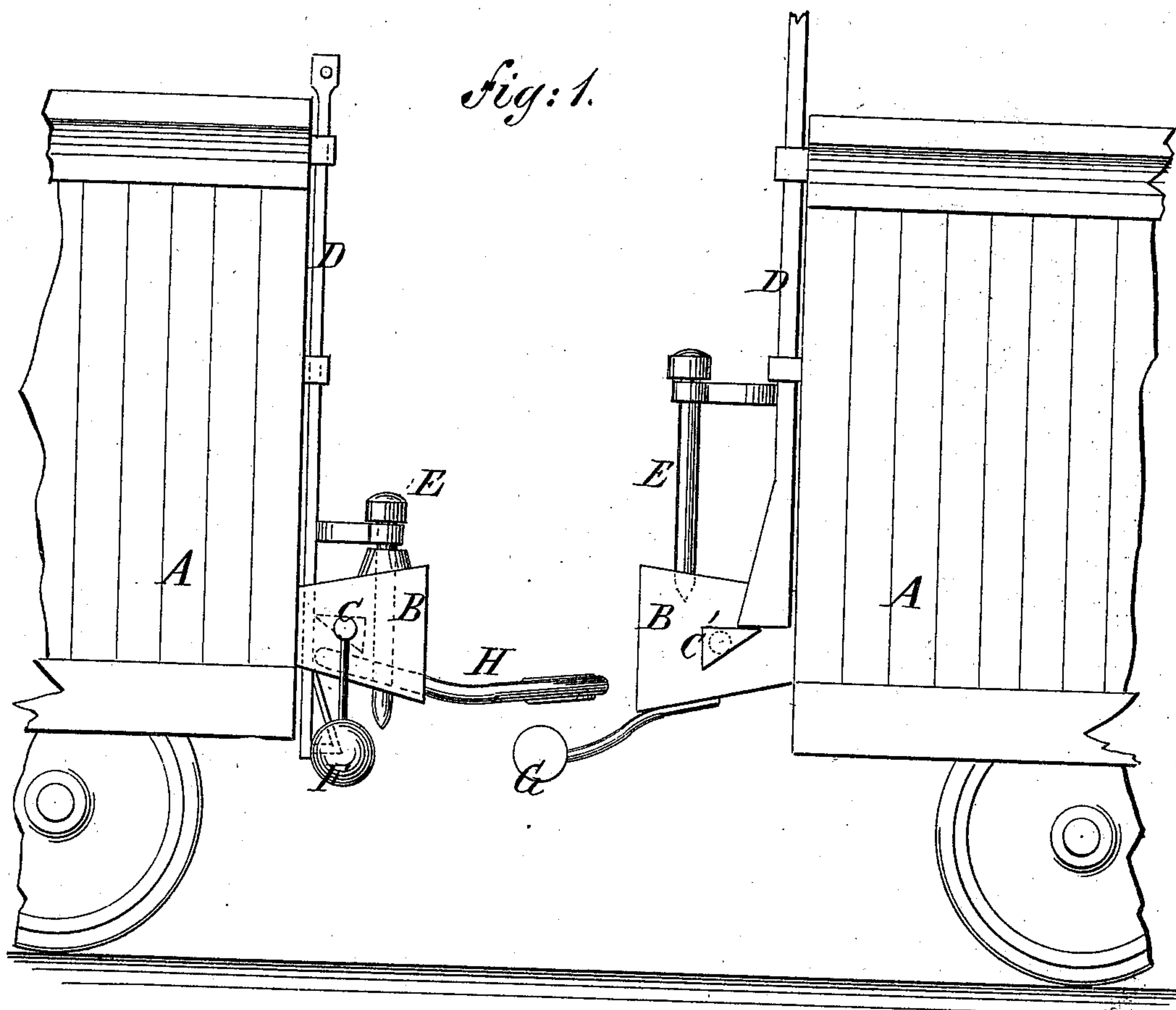


R. MISSO & B. J. WARNER.
CAR-COUPLING.

No. 176,877.

Patented May 2, 1876.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ROCCO MISSE AND BISHOP J. WARNER, OF MAON, MISSISSIPPI.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **176,877**, dated May 2, 1876; application filed March 21, 1876.

To all whom it may concern :

Be it known that we, ROCCO MISSE and BISHOP J. WARNER, of the city of Macon, in the county of Noxubee and State of Mississippi, have invented a new and useful Improvement in Car-Coupling, of which the following is a specification:

In the accompanying drawing; Figure 1 represents a side elevation of my improved car-coupling; Fig. 2, a front view of the same; Fig. 3, a detail top view of the coupling-link.

Similar letters of reference indicate corresponding parts.

Our invention relates to an improved automatic car-coupling; and consists of a draw-head with lateral rock-bar, with outside rest-piece and weight that is struck by a bumper at the end of a forwardly-projecting arm of the connecting draw-head to drop the pin-holding rod.

In the drawing, A represents the car; B, the draw-head; and C, the rock-bar, that passes laterally through the draw-head to the outside of the same, having at one end a pendent ball-weight, F, at the other a triangular rest-piece, C', for the vertically-sliding pin-holding rod D. The pin-holding rod D carries the pin by a forward-extending arm, and may be operated from the top side or platform of the car to raise the pin, being retained in uncoupled position by the rest-piece C, that swings by the action of the weight into hori-

zontal position to support the broader end or foot of the pin-rod D. Each draw-head B is provided with a rigid forward-extending rod having buffer-block G, that strikes, on the approach of the car, the weight of the rock-bar, so as to throw the rest-piece into vertical position, and admit the dropping of the pin-rod, for coupling the link H. The link H is retained in position for coupling by the rock-bar, and has solid ends, which may be readily produced by welding plates on the ends of the common links.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In automatic car-couplings, the swinging rock-bar of a draw-head having outer pendent weight and rest-piece, in combination with a sliding pin-carrying-rod, and the coupling-link, to drop pin for coupling when the weight of the rock-bar is carried back, substantially as set forth.

2. The draw-head in automatic car-coupling, provided with a rigid forward-extending arm and buffer to strike pendent weight of rock-bar of adjoining draw-head and drop pin-holding rod, substantially as set forth.

ROCCO MISSE.
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Witnesses:

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