

L. & W. MATTESON.
Car-Coupling.

No. 159,695.

Patented Feb. 9, 1875.

Fig. 1.

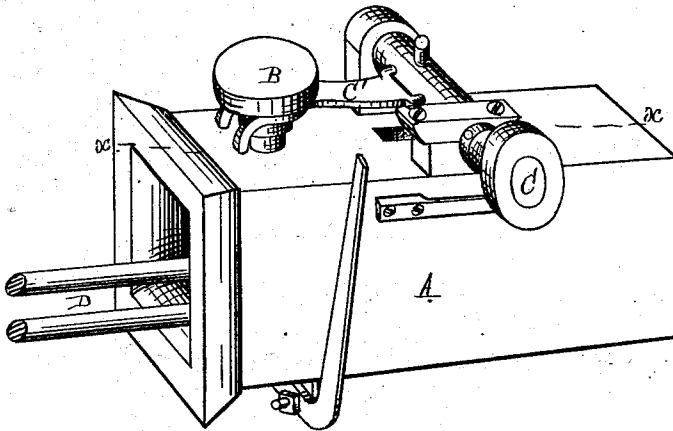


Fig. 2.

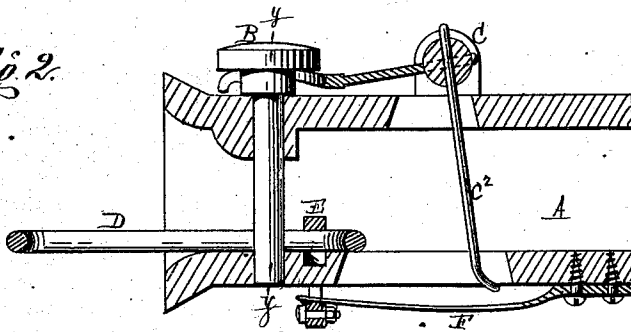
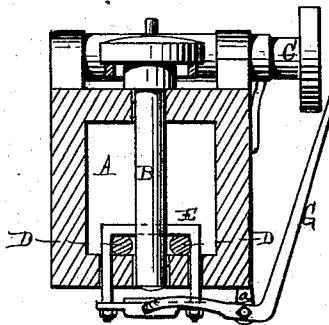


Fig. 3.



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UNITED STATES PATENT OFFICE.

LELAND MATTESON AND WILLIAM MATTESON, OF ROCHESTER, MICHIGAN.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **159,695**, dated February 9, 1875; application filed November 17, 1874.

To all whom it may concern:

Be it known that we, LELAND MATTESON and WILLIAM MATTESON, of Rochester, in the county of Oakland and State of Michigan, have invented an Improvement in Car-Couplings, of which the following is a specification:

The nature of our invention relates to a peculiar device attached to the draw-bar for the purpose of holding a link in position to couple with another car, as more fully hereinafter set forth.

Figure 1 is a perspective view. Fig. 2 is a longitudinal vertical section at *x x*. Fig. 3 is a cross-section at *y y*.

In the drawing, A represents an ordinary cast-iron draw-bar, provided with a suitable pin, B. To sustain the link in a horizontal position preparatory to coupling with another car, an inverted stirrup, E, has its ends dropped through slots in the bottom of the draw-head, and connected by a girt, which is pushed or forced down by a leaf-spring, F, secured to the under side of the draw-bar. A bell-crank

lever, G, has its shorter arm pivoted through the stirrup-girt, while its longer arm extends up the side of the draw-bar, being pivoted at its angle to a pendent stud, *a*.

By pulling the longer arm outwardly the stirrup is elevated into the socket of the draw-head sufficiently to allow the inner end of the link to be slipped under it, when it is held in position by the spring.

Should the outer end of the link strike the flange of the draw-bar approaching it, instead of passing into its socket it will be pushed back into the socket, sliding under the stirrup without damage.

What we claim as our invention is—

The combination, with the draw-bar A, of the stirrup E, spring F, and bell-crank G, as and for the purpose set forth.

LELAND MATTESON.
WILLIAM MATTESON.

Witnesses:

H. F. EBERTS,
H. S. SPRAGUE.