

WILEY KENYON.
Improvement in Car-Couplings.

No. 126,554.

Patented May 7, 1872.

Fig. 1.

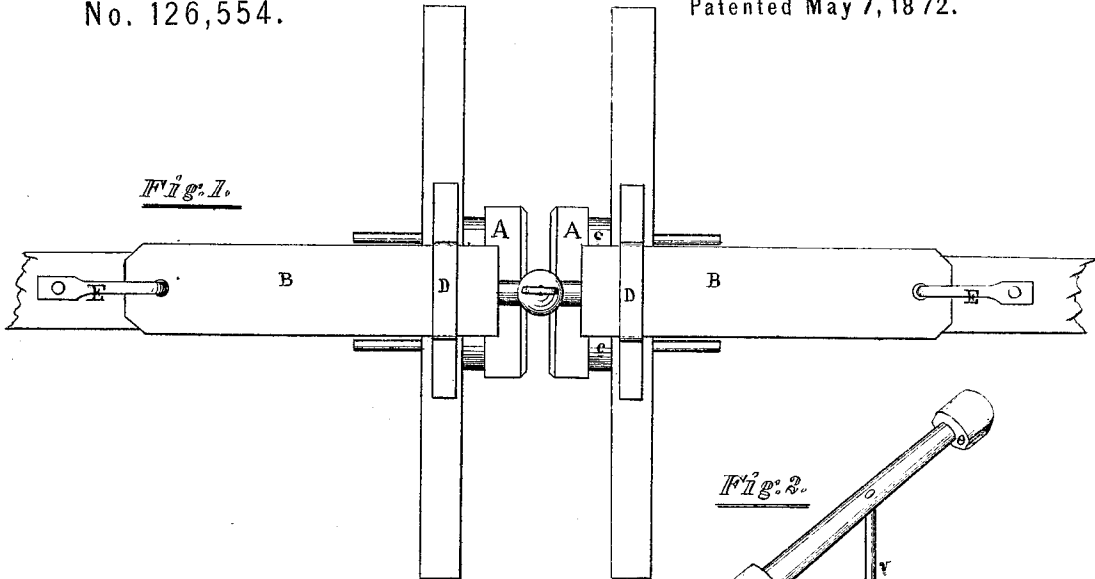


Fig. 2.

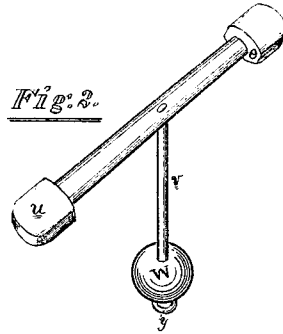


Fig. 3.

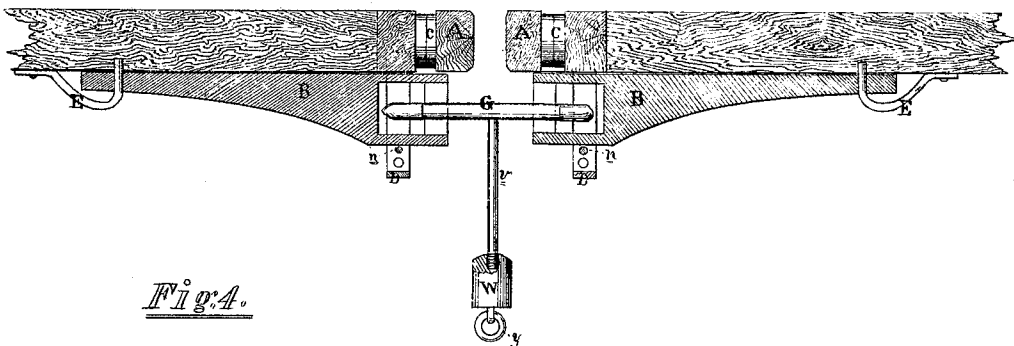
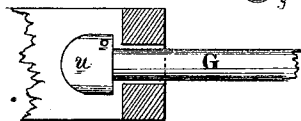


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILEY KENYON, OF CRAWFORDSVILLE, INDIANA.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. 126,554, dated May 7, 1872.

To all whom it may concern:

Be it known that I, WILEY KENYON, of Crawfordsville, in the county of Montgomery and State of Indiana, have invented a new and useful Gravitating Link for Coupling Railway Cars; and I do hereby declare that the following is a full and correct description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 of the drawing represents a plan view of my invention; Fig. 2 is a longitudinal section; and Figs. 3 and 4 are details.

My invention relates to means for coupling and disconnecting railway cars; and consists in a novel arrangement of devices intended to cheapen, simplify, and render safe and effective the process of such connection and disconnection.

A A of the drawing represents the bumpers of two cars having, respectively, springs marked *c c*. Immediately underneath each of these bumpers I arrange my draw-heads, marked B, and unite them with said bumpers by means of the adjustable staples D and the guard-pins or bolts E. A pin, *n*, is passed through the proper openings in staple D under the draw-head, and thereby secures for such draw-head the pitch or inclination the operator may desire it to have. The draw-bars B are mortised

in their front ends in the manner shown on Figs. 3 and 4, to receive the coupling-pin G, next mentioned. My coupling-pin is formed in the shape of a circular rod with flattened and enlarged ends, as shown at *n*. These enlarged flattened ends have shoulders, *o*, adapted to engage with the sides of the draw-head outside the mortise and hold the cars securely together. This coupling-pin has also a rod extending at right angles therewith from its center, marked *v*, to the end of which is attached the removable ball or weight *w* and its ring, *y*. When desirable the ball may be screwed upon the end of rod *v*, and a cord affixed in the ring, thereby enabling the operator to uncouple the cars from the platform.

I claim as my invention—

The coupling apparatus herein described, consisting of the draw-heads B under the bumpers, and connected therewith by means of the adjustable staples D and guard-bolts E, and arranged, as described, for connection by means of the double-headed pin G, having rod *v* and removable ball and ring *y*, when the several parts are constructed and arranged substantially as specified.

WILEY KENYON.

Attest:

W. T. BRUSH,
GEORGE D. HURLEY.