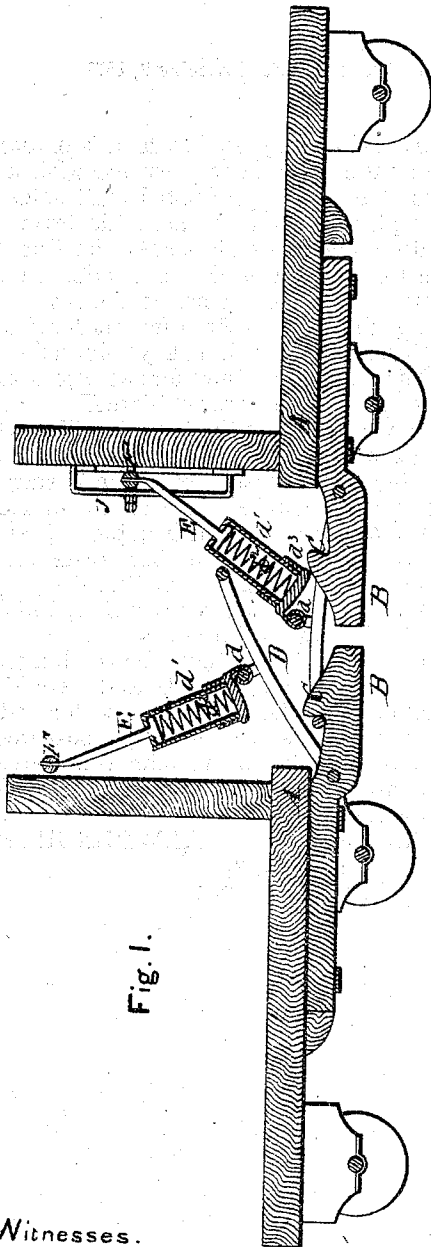


LAWRENCE IBECK.

Improvement in Railway Car Couplings.

No. 120,746.

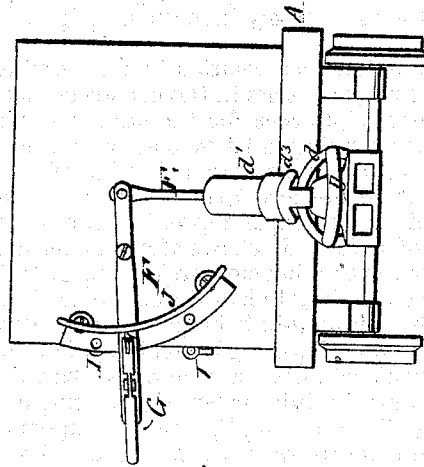
Patented Nov. 7, 1871.



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Witnesses.

Villette Anderson
E. H. Bates



21

Inventor.

Lawrence Beck,
Carpenter & Co.,
Attorneys.

UNITED STATES PATENT OFFICE.

LAWRENCE IBECK, OF KICKAPOO, ILLINOIS.

IMPROVEMENT IN RAILWAY CAR-COUPPLINGS.

Specification forming part of Letters Patent No. 120,746, dated November 7, 1871.

To all whom it may concern:

Be it known that I, LAWRENCE IBECK, of Kickapoo, in the county of Peoria and State of Illinois, have invented a new and valuable Improvement in Car-Couplings; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical section of my invention. Fig. 2 is a front view.

This invention has relation to car-couplings; and the novelty consists in the construction and arrangement of devices for the purposes of adjusting the coupling-links to suit car-platforms of different heights, as hereinafter described.

Referring to the accompanying drawing illustrating this invention, A represents the body or platform of a car. B shows the bumper-head, constructed with a beveled projection, C, on top to hold the coupling-link of the other car. D designates the coupling-link hinged to the sides of the bumper and projecting beyond its head. Said link is furnished with a transverse bar, d , to which is hinged a tube or box, d^1 , inclosing a spiral spring, d^2 . A piston, E, enters the upper end of said tube and rests on the spring d^2 . Its rod

is pivoted to a lever, F, which is pivoted to the end of the car and is provided with a dog, G, which has a stud, g , adapted to fit holes in a segment-plate, H, so as to hold the lever F in any position, and through it hold the link D. The object of the spring d^2 is to render the coupling elastic. The movement of the lever raises or lowers the link to fit different heights of car-platforms. I represents keys pivoted to the side of the car, and designed for use as substitutes for the dog G and perforated plate H. J represents a guard or guide to the lever F. The tube d^1 has a cap, d^3 , screwed on its lower end, which is adapted for the insertion of the spring. When two cars are coupled together one of the links D falls over the projection C on the opposite bumper-head, while the other link rests against the opposite tube, as shown in Fig. 1.

What I claim as my invention, and desire to secure by Letters Patent, is—

In car-couplings, the tube d^1 , hinged to the link D, spring d^2 , piston E, and lever F, in combination with the dog G and perforated plate I, substantially as and for the purpose described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

Witnesses: LAWRENCE IBECK.

JOHN FOLEY,
GEO. W. BAKER.

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