(Model.)

S. T. AUTEY & S. D. AUTEY, Jr.

Car Coupling.

No. 239,916. **Patented April 12, 1881.**

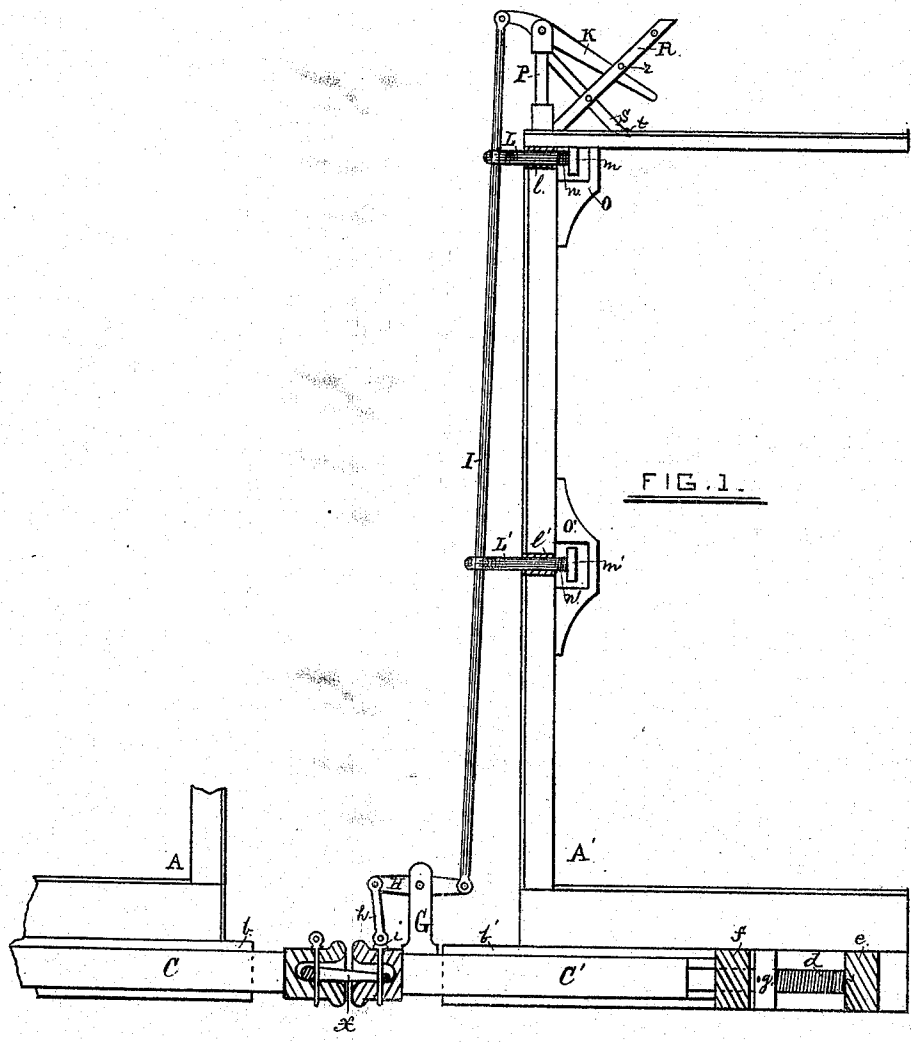


FIG. 1.

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UNITED STATES PATENT OFFICE.

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CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 239,916, dated April 12, 1881.

Application filed May 21, 1880. (Model.)

To all whom it may concern:

Be it known that we, SUMPTER TURNER AUTEY and STANTON DAYE AUTEY, Jr., residents of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented a certain new and useful Improvement in Car-Couplings; and we do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawings, making a part of this specification.

This invention is arranged so as to be operated from the top, thus avoiding the necessity of a person going between the cars for the said purpose.

The nature of our invention will be readily understood by referring to the accompanying drawing, which is a vertical longitudinal section of the two parts of a coupling as when connected to the ends of cars and furnished with a means for operating the pin from the top of a car.

A A′ are the car-frames, to the under side and at each end of which are secured parallel strips *b b′*. These serve as guides for the coupling-stems C C′, each of which has a back-and-forth movement of about four inches, said movement being controlled by a spring, *d*, one end of which is secured to a tie, *e*, near the rear ends of the guides, and the other to the inner ends of their respective coupling-stems. These ends are somewhat reduced in diameter and operate in cross-bars *f*, their outward movements being limited by reason of their check-blocks *g* being brought in contact with the bars *f*.

A standard, G, is secured to the forward end of a coupling-stem, C′. In the upper portion of this stand and is centrally pivoted a lever, H, the outer end of which is connected, by means of a link, *h*, with the coupling-pin, as shown at *i*, and its inner end by means of a rod, I, with the operating-lever K, for operation from the top of a car. The rod I is passed through eyes formed in the outer ends of a couple of guides, L L′, these fitted in tubes *l l′* that are inserted in a vertical line near the center and top of a car, as shown in the drawing. The inner ends of the guides L L′ are furnished with collars *m m′* and with springs *n n′*, in order to permit of a limited endwise movement in their respective tubes.

In order that the aforesaid collars and springs may not be interfered with, caps or cleats O O′ are secured over the same.

The upper end of the rod I is pivoted to the outer end of the operating lever K, the latter journaled in the upper part of a stand, P, and having its handle to project through a slotted bar, R, in which it operates, and is held in either its upper or lower position by means of a pin, *r*. A brace, S, extends from the upper portion of the stand P, at an angle of about forty-five degrees, downwardly through the slotted bar R to the top of the car, where its foot is secured, as at *t*. This brace also serves as a means for securely holding the slotted bar in proper position.

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

In combination with the vertical rod I, attached to the coupling-pin, the guide-rods L L′, formed with loops at their outer ends, and at their inner ends with collars *m m′* and springs *n n′*, as set forth.

In testimony whereof we have hereunto signed our names.

SUMPTER TURNER AUTEY.
STANTON DAYE AUTEY, JR.

In presence of—
S. D. AUTEY,
P. J. FINNEY.