

J. MAYBEN.
Car Coupling.

No. 111,224.

Patented Jan. 24, 1871.

Fig. 1.

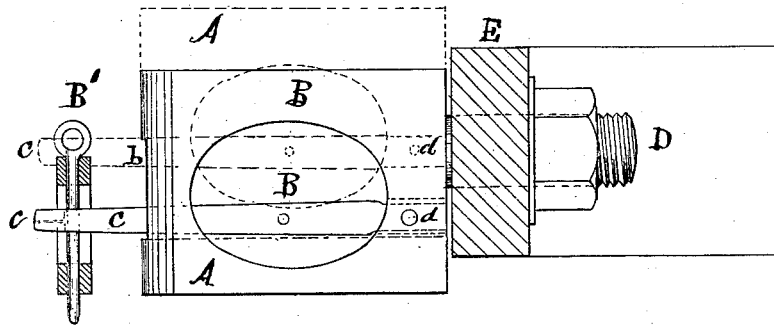


Fig. 2.



Witnesses.

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JOHN MAYBEN, OF MILROY, PENNSYLVANIA.

Letters Patent No. 111,224, dated January 24, 1871.

IMPROVEMENT IN CAR-COUPPLINGS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN MAYBEN, of Milroy, Mifflin county, State of Pennsylvania, have invented a new and useful Improvement in Car-Couplings; and I do hereby declare that the following is a clear, full, and exact description of the construction and operation of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a side view of coupling-block attached to the bumper.

Figure 2 is a detached view of the coupling-tongue and jaws.

Like letters in the two figures represent like parts of the invention.

Nature.

My invention is designed to provide a car-coupling which may be readily changed in height to suit different height cars, and consists of a coupling-block eccentrically arranged and attached to the bumper by a bolt, which is arranged above or below the center of the block.

A is the coupling-block, made with the large opening B through the side, to allow the tongue *c* to be readily inserted or removed, and having the elongated slot *b* at the front end, through which tongue C passes.

The coupling-tongue and jaws C are secured at the back end by the bolt *d*, so arranged that they can be readily removed for repairs or other purposes.

Block A is provided with a bolt, D, which is arranged above or below the center of the block, as seen in fig. 1, and passes through the bumper E, and is secured by a proper nut on the end.

S is a spring attached to the jaws *c* by the bolts *c'*, as shown in fig. 2.

To couple a low car, the longest side of the block is turned down, as seen in fig. 1, and to couple a higher car the block is turned upside down, as shown by the dotted lines in fig. 1.

The coupling-block is adjusted loosely upon the bolt, so as to allow it to oscillate to suit the motion of the cars while running, especially while turning curves.

The jaws of the coupling-tongue *c* are made to lap, and provided with square shoulders *S'*, as shown in fig. 2, so as to spring around and securely hold against the bolt *B'*, as shown in fig. 1.

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

The coupling-block B, eccentrically arranged so as to change the height of the coupling, substantially as described.

In attestation of the specification of my improvement in car-couplings I hereto subscribe my name this 20th day of August, A. D. 1870.

JOHN MAYBEN.

Witnesses:

ABRAHAM W. GRAFF,
JOHN HUNTER.