

J. H. FROMAN.

Car Coupling.

No. 106,807.

Patented Aug. 30, 1870.

Fig. 1.

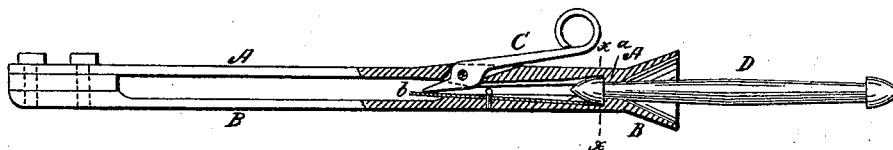


Fig. 2.

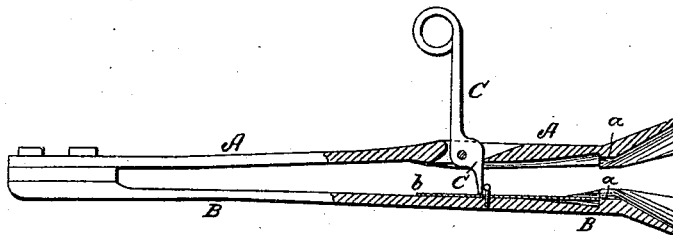
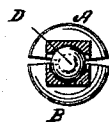


Fig. 3.



Witnesses:

A. Remondet
S. S. Mabee.

Inventor:

J. H. Froman.
per Munn & Co.
attys.

United States Patent Office.

JAMES H. FROMAN, OF PLATTSBURG, MISSOURI.

Letters Patent No. 106,807, dated August 30, 1870.

IMPROVEMENT IN CAR-COUPLING.

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, JAMES H. FROMAN, of Plattsburg, in the county of Clinton and State of Missouri, have invented a new and improved Car-Coupling; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a side view, partly in section, of my improved car-coupling, showing it closed over the link.

Figure 2 is a similar view of the same, showing it opened.

Figure 3 is a transverse section of the same, taken on the plane of the line *x z*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to car-couplings, and consists in certain improvements which will be first described in connection with all that is necessary to a full understanding thereof, and then specified in the summary or claim.

The invention consists in constructing a car-coupling of two main jaws, A and B, which have rounded flaring front ends, so as to produce a bell mouth on the coupling.

The jaws A B are metal bars, which, at their rear ends are firmly clamped to the frame of the car, and which constitute springs, whereby their front ends are held together.

To the upper jaw A is pivoted a lever, C, which,

when swung up, as in fig. 2, will press against the lower jaw and force the same apart.

The coupling link D is a bar with arrow-head ends.

The same, when inserted between the jaws, will catch behind shoulders *a a*, as shown in fig. 1, and will thereby be held and locked.

The link, if it should be violently swung up, down, or to either side, will force the jaws apart, and become uncoupled.

b is a strip or spring, arranged with one end resting under the link, and turning on the summit of the incline, which is upon the bottom jaw B, as a fulcrum.

There may be a downward incline on the jaw, under the further end of strip, as in fig. 1, or it may be dispensed with, as in fig. 2.

A loop, link, or other device is employed to hold the strip in position.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The jaw B, beveled, as shown in figures of drawing, and the spring *b*, fitting up to the shoulder *a*, combined with an upper jaw A, having the pivoted lever C passing therethrough, as and for the purpose specified.

JAMES H. FROMAN.

Witnesses:

JOHN F. MORRIS,
ABRAHAM FROMAN.