

E. W. BARKER.
Car-Buffers.

No. 150,125.

Patented April 28, 1874.

Fig. 1.

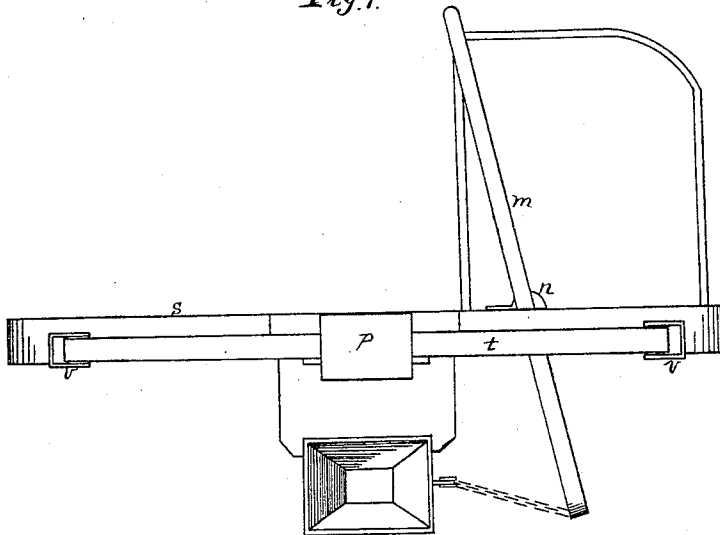
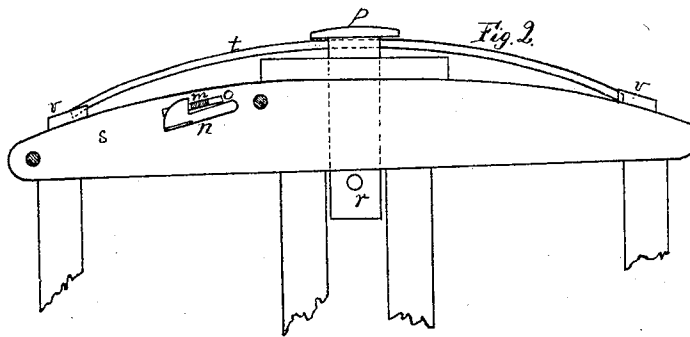


Fig. 2.



Witnesses.
Frank H. Jordan.
Edwin H. Haskell

Inventor.
Ezekiel W. Barker
Per atty Wm. H. Clifford

UNITED STATES PATENT OFFICE.

EZEKIEL W. BARKER, OF PORTLAND, MAINE, ASSIGNOR OF ONE-HALF HIS
RIGHT TO GEORGE C. FRENCH, OF SAME PLACE.

IMPROVEMENT IN CAR-BUFFERS.

Specification forming part of Letters Patent No. 150,125, dated April 28, 1874; application filed
April 7, 1873.

To all whom it may concern:

Be it known that I, EZEKIEL W. BARKER, of Portland, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Car-Couplings and Buffers; and I do hereby declare that the following is a full, clear, and exact description thereof, that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is an end view of a platform, with a draw-head and buffer attached; Fig. 2, a top plan of a platform, showing the buffer.

My invention relates to an improved car-buffer. It consists of an improved buffer attached to the front of the platform.

P is the buffer, set on a stock, *r*, moving in and out in an aperture cut for it in the front beam or wood-work of the platform *s*. It is also connected with a spring, *t*. This spring is made of metal, and is slightly curved in

form, as shown. Its ends are held in sockets *v*, so as to admit of their movement or play as the spring is bent back toward the edge of the platform, or its curve flattened, and as it resumes its shape again. Thus, as the platforms of two cars come together, the buffers P will strike each other, and the shock or jar be mitigated, and, in a degree, removed from the ends of the platforms by the spring *t*. It is plain that the more the spring *t* is flattened or bent back the stiffer it becomes, and the greater its resistance.

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

The buffer P, stock *r*, spring *t*, and sockets *v*, in combination with a car-platform, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand.

EZEKIEL W. BARKER.

Witnesses:

WM. HENRY CLIFFORD,
FRANK H. JORDAN.