

W. C. TILTON.
Car Coupling.

No. 92,902.

Patented July 20, 1869.

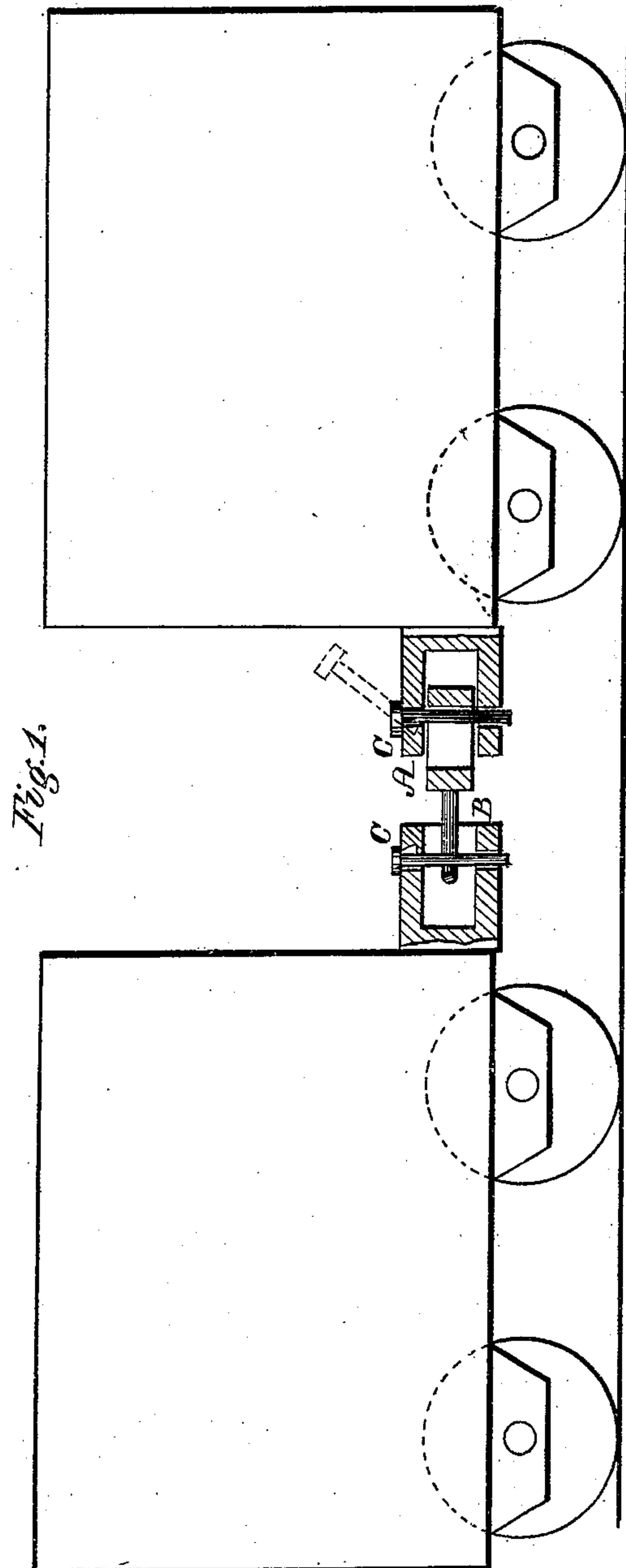


Fig. 1.

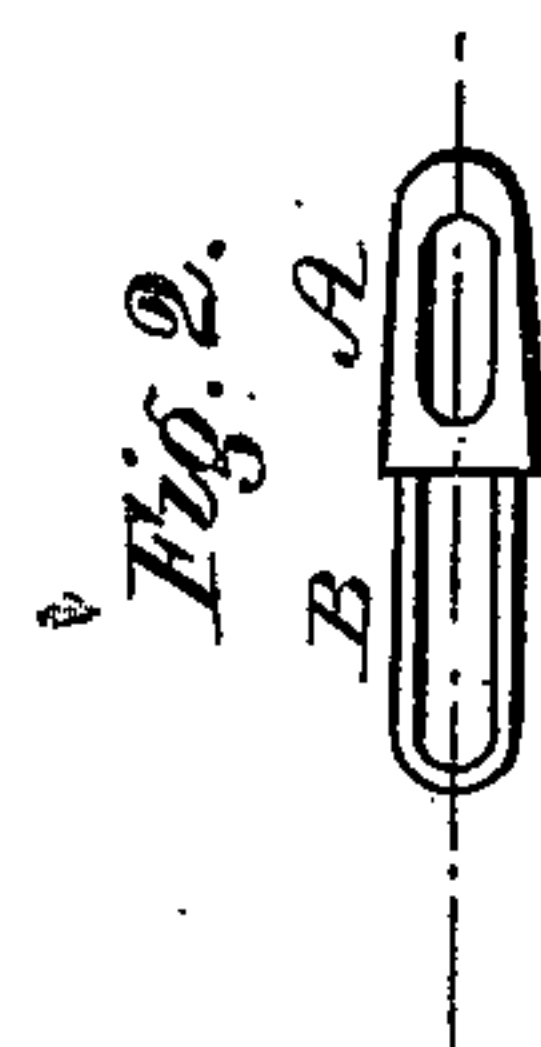


Fig. 2.

Witnesses

Attestation of

John H. Brooke

Inventor
W. C. Tilton

per *Wm. M. C.*

Attorneys

United States Patent Office.

W. C. TILTON, OF SPRING PLACE, GEORGIA.

Letters Patent No. 92,902, dated July 20, 1869.

IMPROVED RAILWAY-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, W. C. TILTON, of Spring Place, in the county of Murray, and State of Georgia, 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 drawings, forming part of this specification.

This invention relates to improvements in car-couplings, designed to provide an arrangement whereby they may be self-coupling, and thereby prevent the necessity for an attendant to stand between the cars, when they come together, to present the links to the openings in the buffer-heads, whereby persons are frequently severely injured.

Figure 1, in the drawings, represents a sectional elevation of my improved coupling.

Figure 2 represents a plan of the coupling-link.

Similar letters of reference indicate corresponding parts.

I propose to provide, by casting or otherwise, a large wedge-shaped extension, A, on the link B, which, when entered and adjusted to the bottom of the sockets of the buffers, will overbalance the weight of the links, and maintain them in a horizontal position, whereby they will always enter the opposite sockets properly, when the cars come together, without being guided by

the hand, the said sockets being all sufficiently large to receive the wedge or block A, which is provided with a vertical slot for the pins.

I propose to provide a notch, C, in the sides of the holes for the pins, so that the said pins may be lodged therein in an angular position, as represented in red, where they may be placed previously to the moving of the cars together, and from which they will be thrown into a vertical position by the shock of the cars coming together, permitting them to fall to the position for coupling.

When the cars are coupled, and the links drawn outward to some extent, the wedge-form of the socket and the enlarged portion of the links afford sufficient lateral play for all practical purposes.

Having thus described my invention,

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

The coupling-link, constructed as described, of the slotted wedge-shaped extension A, cast upon one end of the link B, whereby, when adjusted in the sockets of the buffers, the weighted end A will overbalance the link B, and maintain it in a horizontal position, as herein set forth, for the purpose specified.

W. C. TILTON,

Witnesses:

F. M. DWIGHT,

W. J. MCCOLLUM.