

J. PEARSON.

Improvement in Car-Couplings.

No. 131,826. Patented Oct. 1, 1872.

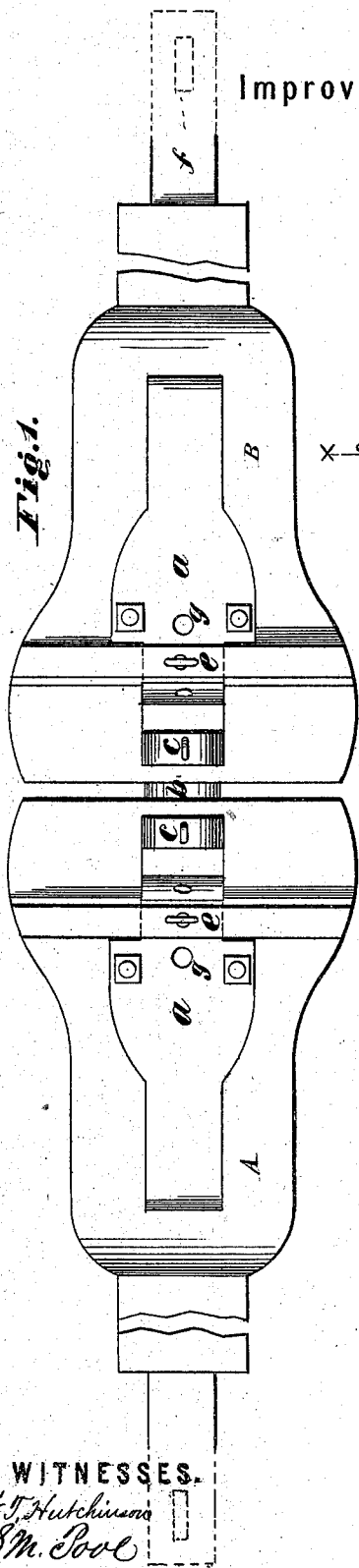


Fig. 1.

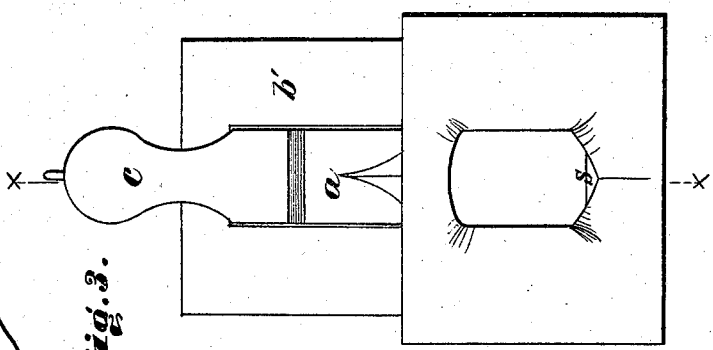


Fig. 3.

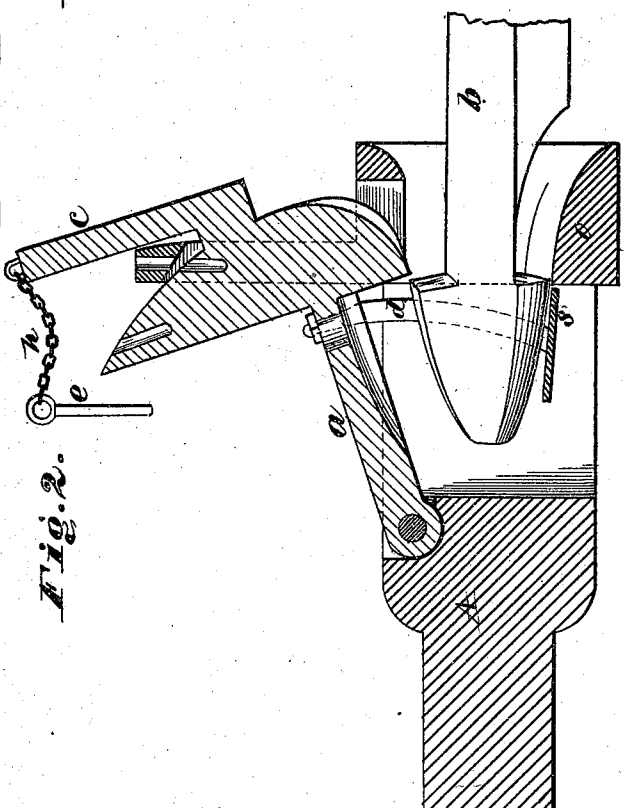


Fig. 2.

WITNESSES.
W. J. Hutchinson
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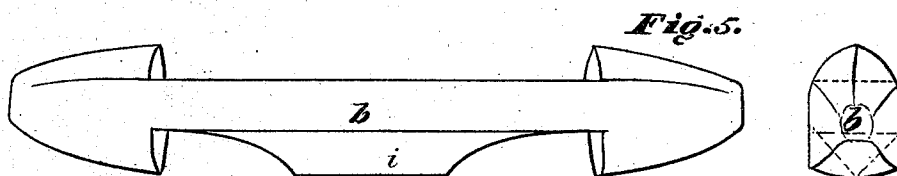
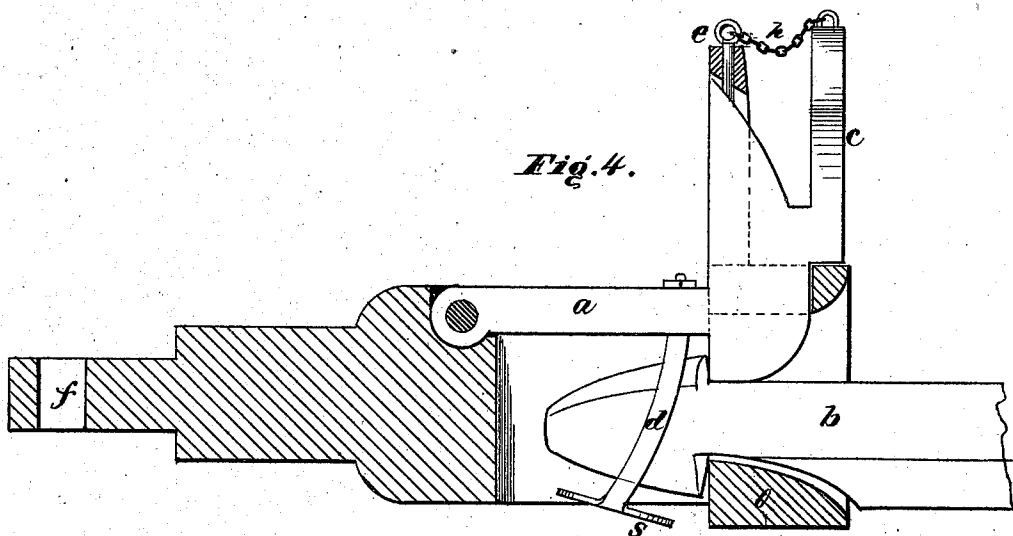
INVENTOR.
James Pearson
per Edw. W. Donn

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UNITED STATES PATENT OFFICE.

JAMES PEARSON, OF SACRAMENTO, CALIFORNIA.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. 131,826, dated October 1, 1872.

To all whom it may concern:

Be it known that I, JAMES PEARSON, of the city and county of Sacramento and State of California, have invented an Improved Self-Adjusting Car-Coupling, of which the following is a specification:

In the drawing, Figure 1 shows a top view of my improved coupling; Figs. 2 and 4 are longitudinal sections of one of the draw-heads, one of which shows the method of releasing the link; Fig. 3 is a front view of one of the draw-heads; and Fig. 5 represents the coupling-bar or link in elevation and cross-section.

The invention relates to the class of automatic car-couplings; and consists in the combination of devices, hereinafter described and specifically indicated in the claim.

A and B in the drawing represent the respective draw-heads; *a a*, the coupling-bars hinged to the draw-heads; *d s*, the stirrups of the same; and *b* the double-headed coupling-link. The draw-heads have each a vertical extension or frame, *b'*, in which the enlarged heads of the coupling-bars *a* work up or down. Each of said bars has an arm, *c*, to which a pin, *e*, is attached by a chain, *h*, the office of said pin being to lock the heads of the bar *a* to the frame *b'* when the coupling is effected. I con-

template applying a padlock to these parts, when desirable, to prevent tampering with the coupling. The link *b* has a swell or enlargement on one side, at *i*, to cause its arrow-shaped heads to assume the proper position to engage with the lower part *o* of the draw-heads.

It will be seen that when two cars, provided with my improved coupling, come together the link will enter the draw-heads and raise the heads of the coupling-bars and then drop into the position shown in Fig. 4. Thus, the coupling is automatic in its operation. To release the coupling-link the pin *e* is first withdrawn, and then the hooked bar *a* is elevated at its front end, which causes the stirrup *d s* to raise the end of the link, as in Fig. 2, when it may be readily drawn out.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the pin *e*, frame *b'* of the draw-head, and the coupling-bar *a*, as and for the purpose specified.

JAMES PEARSON.

Witnesses:

D. W. WELTY,
STANTON MYERS.