G. R. MOORE.

Car Coupling.

No. 71,202. Patented Nov. 19, 1867.

Fig: 1.

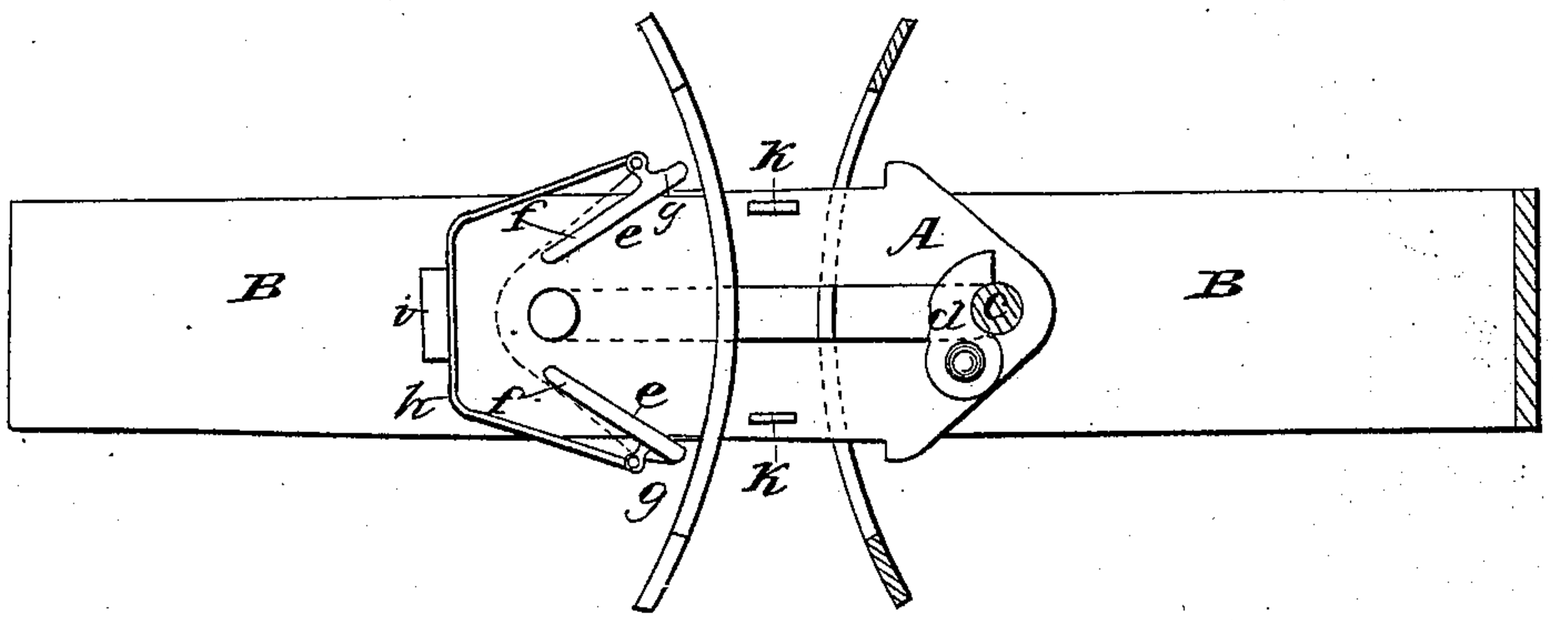


Fig: 2.

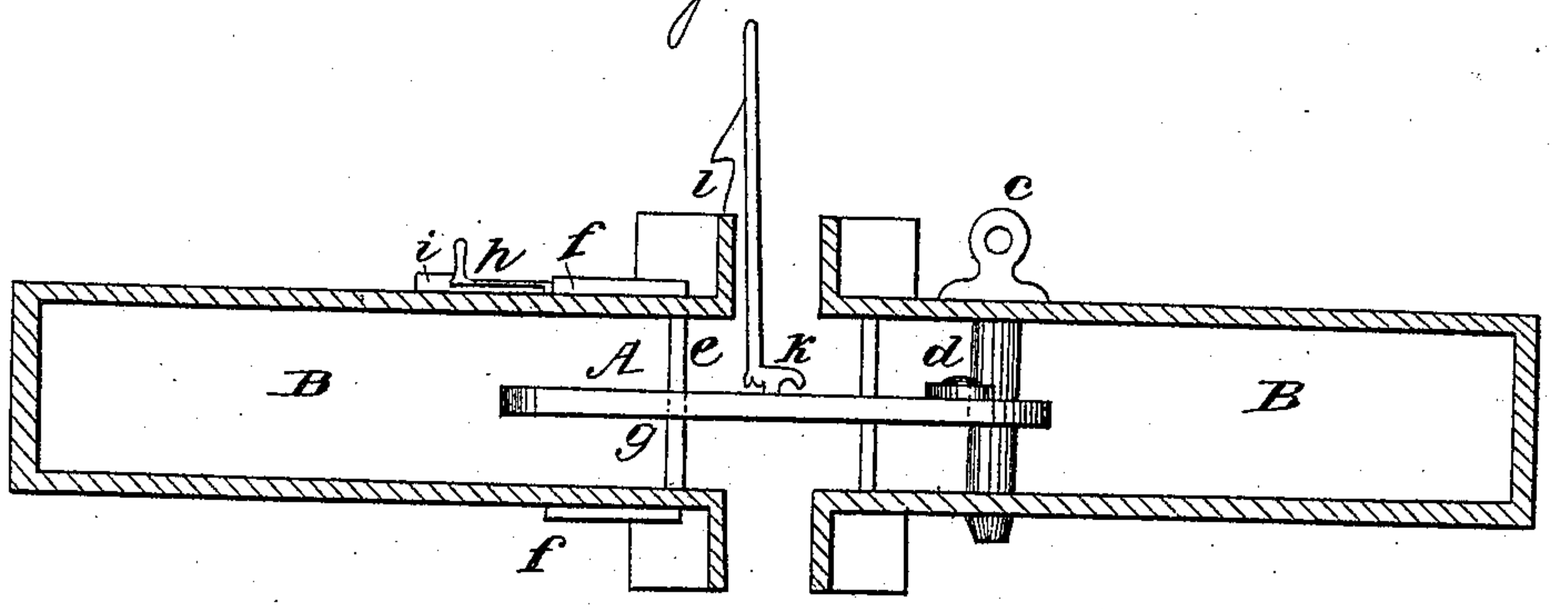
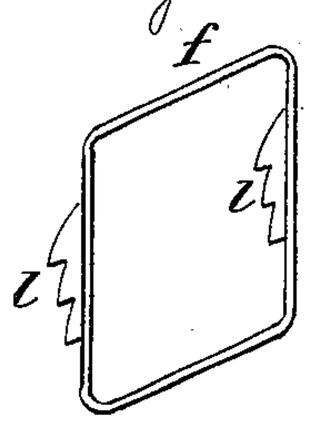


Fig: 3.



Witnesses

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Inventor

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United States Patent Office.

GEORGE R. MOORE, OF LYONS, IOWA.

Letters Patent No. 71,202, *dated November* 19, 1867.

IMPROVED 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, GEORGE R. MOORE, of Lyons, in the county of Clinton, and State of Iowa, have invented certain new and useful Improvements in Automatic Car-Couplings; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of my invention is to provide for coupling cars without any undue exposure of the life or limbs of the operator.

My invention consists in part of a coupling-link, (at least,) one end of which is arrow-headed, and both may be so, as in the drawing, figs. 1 and 2, A. The drawings—

Figure 1, shows a top plan of two ordinary bumpers, B B, used in cars, with the link, of my invention, A, coupling them together; and

Figure 2 is a side view of the same.

c is an ordinary coupling-pin, *d* is a friction-stay, designed to hold the link firmly enough to crowd it into the clamps *e e*, which turn upon pivots at *f f*, and the outward ends of them passing down the whole width of the bumpers, thus forming jaws between which the arrow-headed link is pushed beyond the shoulders *g g*. It will now be seen that any outward pressure upon the arrow-headed link to extricate it will tend to clasp the levers *e e* more tightly upon its sides. *h* is both a lever and spring, and when placed forward of the nib *i*, it keeps the levers *e e* near enough together to catch the arrow-headed link, and when placed back of the nib *i*, it opens the jaws of the levers and releases the link. In case the link should hit the bumper and not come between the levers, it is designed that *d* should give way by turning on its rivet, and thus allow the link to slide back into the bumper.

Figure 3 shows a link-holder, and is seen in place in fig. 2, *j*.

The link is provided with pins to receive it, *k k*, and the lever or holder, fig. 3, has also a rack, by which it will hold itself wherever placed upon the bumper. It may be used by hand, or be made an automatic holder by using the ratchet *l l*.

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

The diverging levers or clasps, when held and operated by the arrangement of springs and catches, as and for the purpose set forth.

GEO. R. MOORE.

Witnesses:

CARL VANDEVENTER,
LEWIS GODLOVE.