

A. CYR.

CAR-COUPLING.

No. 169,424.

Patented Nov. 2, 1875.

Fig 1.

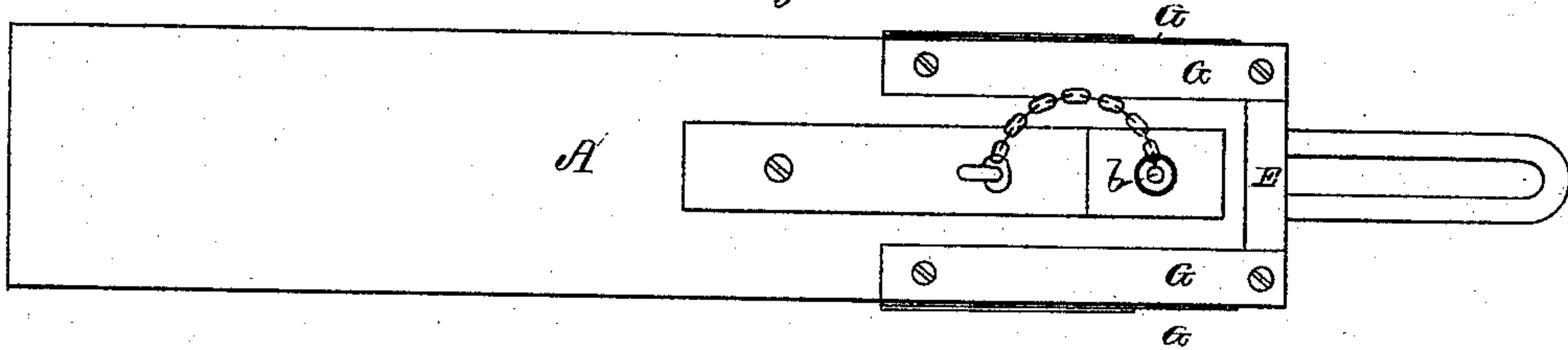


Fig 2.

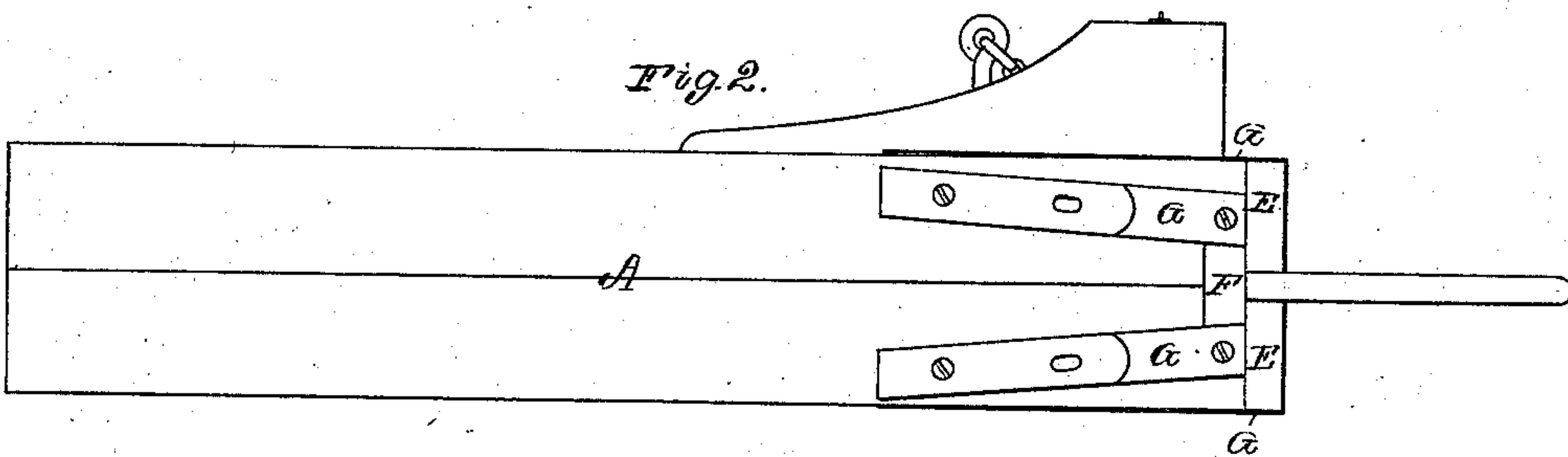


Fig 3.

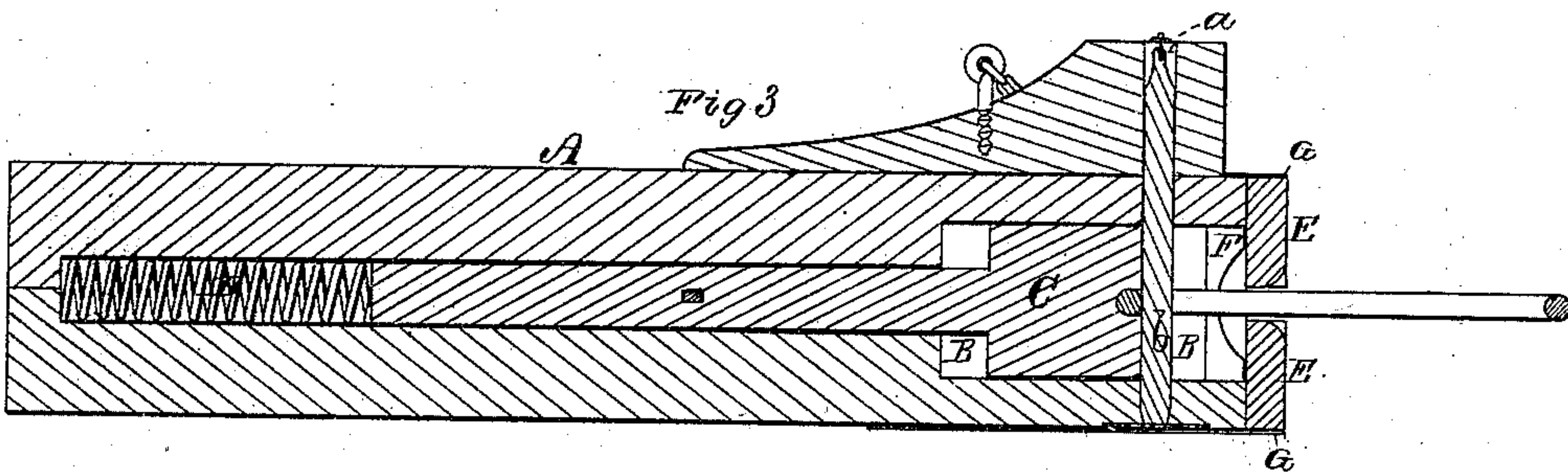


Fig 4.

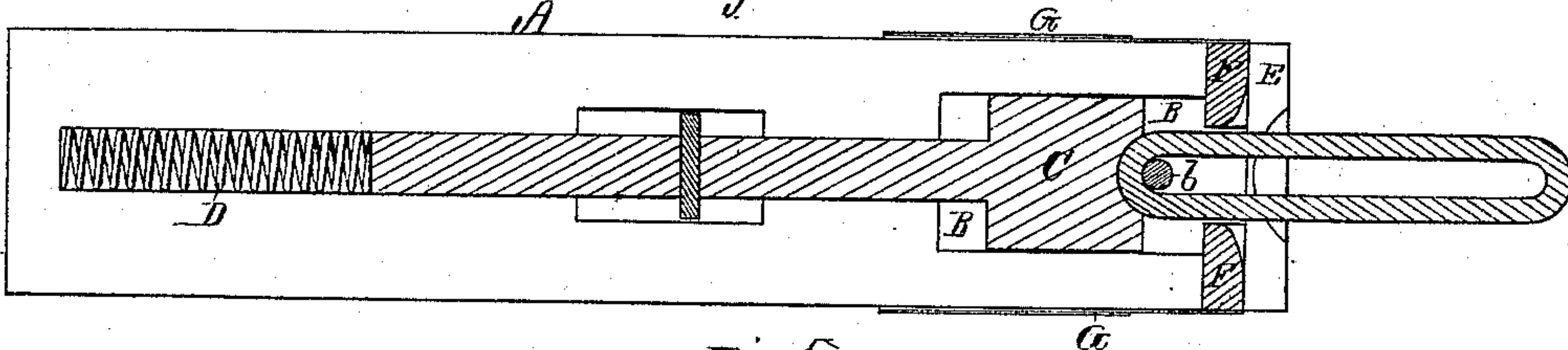
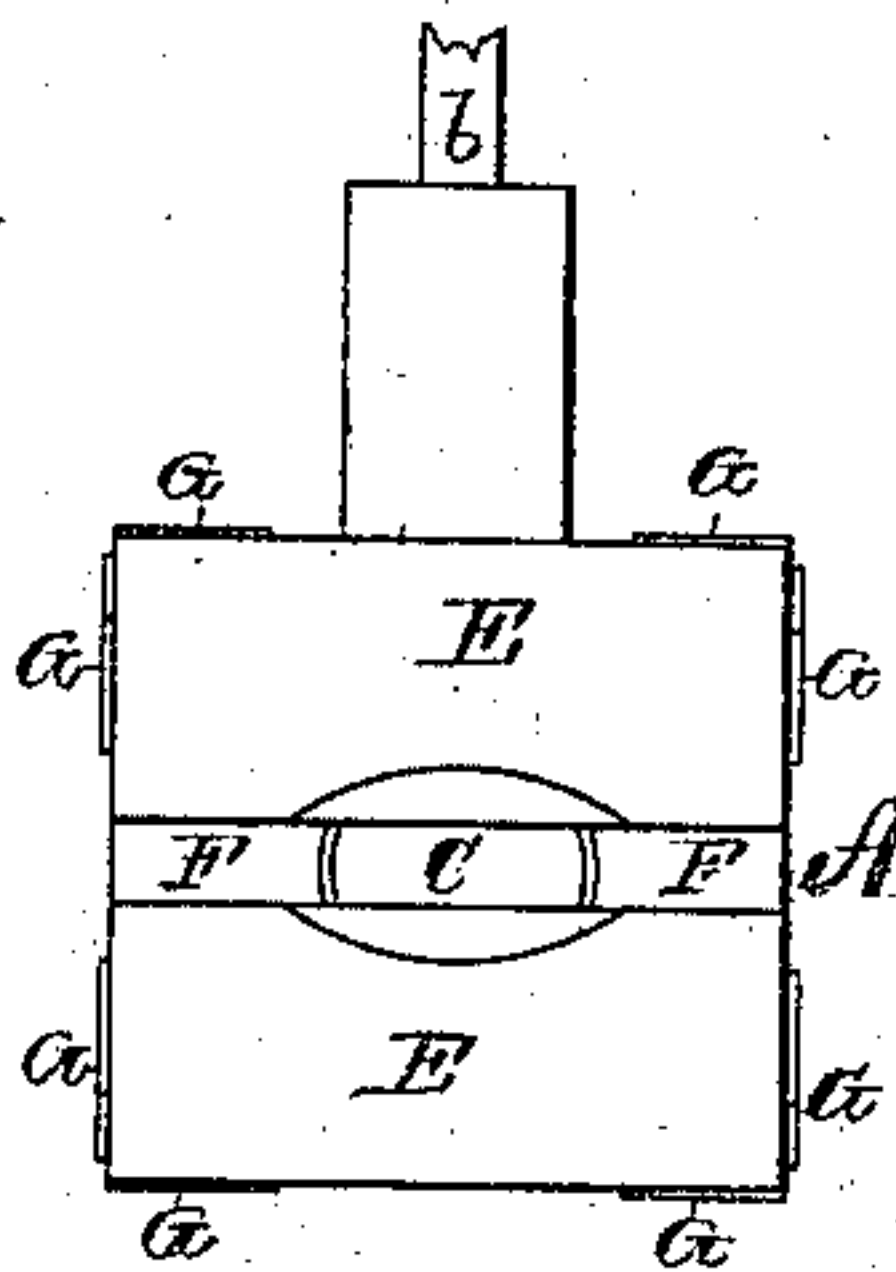


Fig 5.



Witnesses.

S. V. Piper.

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by his attorney

R. H. Sady.

# UNITED STATES PATENT OFFICE

AUBIN CYR, OF LOWELL, MASSACHUSETTS.

## IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **169,424**, dated November 2, 1875; application filed October 12, 1875.

*To all whom it may concern:*

Be it known that I, AUBIN CYR, of Lowell, of the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Car-Couplings; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, Fig. 3 a vertical and longitudinal section, Fig. 4 a horizontal and longitudinal section, and Fig. 5 a front-end view, of a draw-bar provided with such coupling.

My invention relates to means of coupling the connecting-link, and of supporting it in position for coupling, and allowing it to play laterally, as occasion may require.

In the drawings, A denotes the draw-bar of a railway-carriage, there being within its link-receiving chamber B a slide, C, provided with one or more springs, D, for forcing it forward and underneath the link-pin hole *a*, extending down through the top of the bar.

Preparatory to coupling the draw-bar with a link the coupling-pin *b* is to be placed in the hole *a*, so as to rest on the slide. The slide

being forced back by the link, the pin will fall into and through the latter.

In connection with the above-described devices I use four jaws, E E F F, arranged at the mouth of the draw-bar, those of one pair being at right angles with those of the other. Each jaw is fixed to a pair of springs, G G, extending backward from it, and fastened to the draw-bar. The springs allow their pair of jaws to play or move apart, and force them together and upon the link, so as to keep it in a position for coupling with another draw-bar. The jaws allow of play of the link laterally, or up or down, as occasion may require, while it may be coupled to two draw-bars. The outer jaws lap over the inner ones.

I claim—

The draw-bar provided with the four jaws E E F F and the springs G, and with the coupling-slide C and its spring or springs D, all arranged in manner and to operate as specified.

AUBIN CYR.

Witnesses:

JOHN DAVIS,  
JOSEPH PROVENCHER.