

J. F. WRIGHT.  
Car-Coupling.

No. 217,501.

Patented July 15, 1879.

Fig. 1.

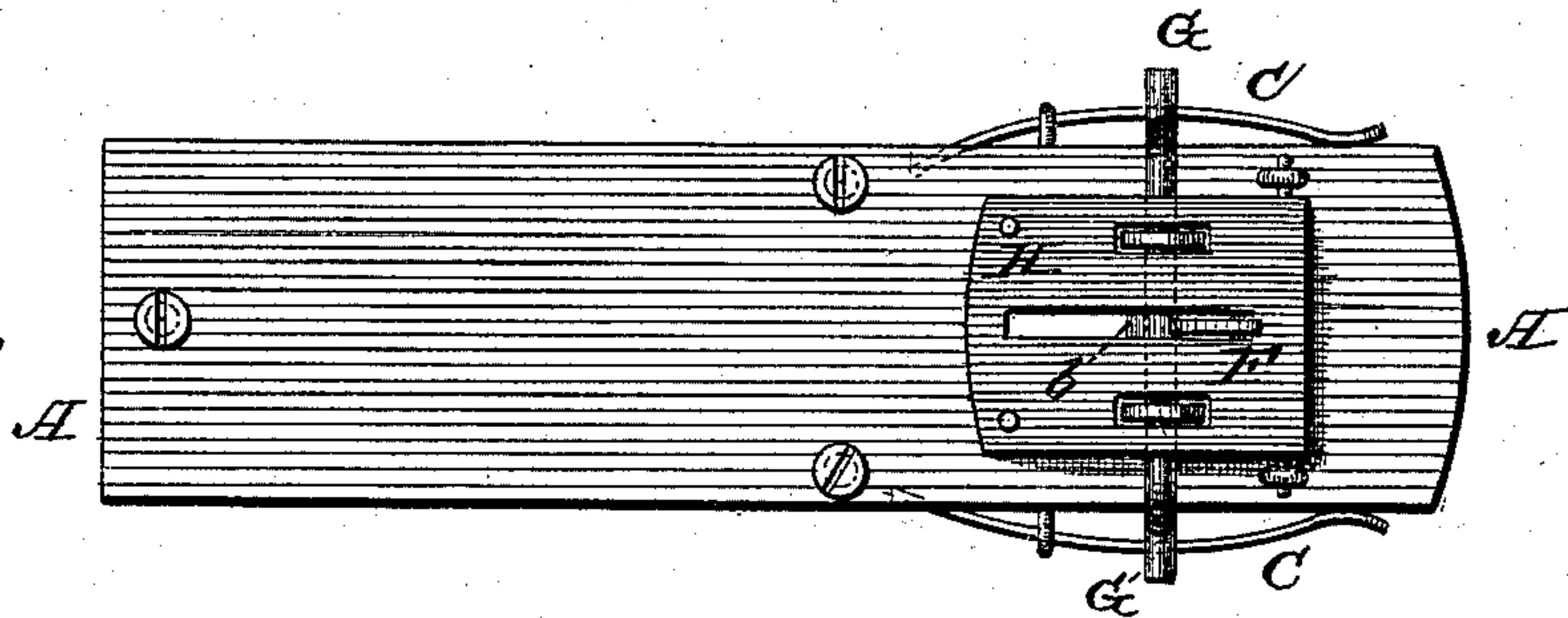


Fig. 2.

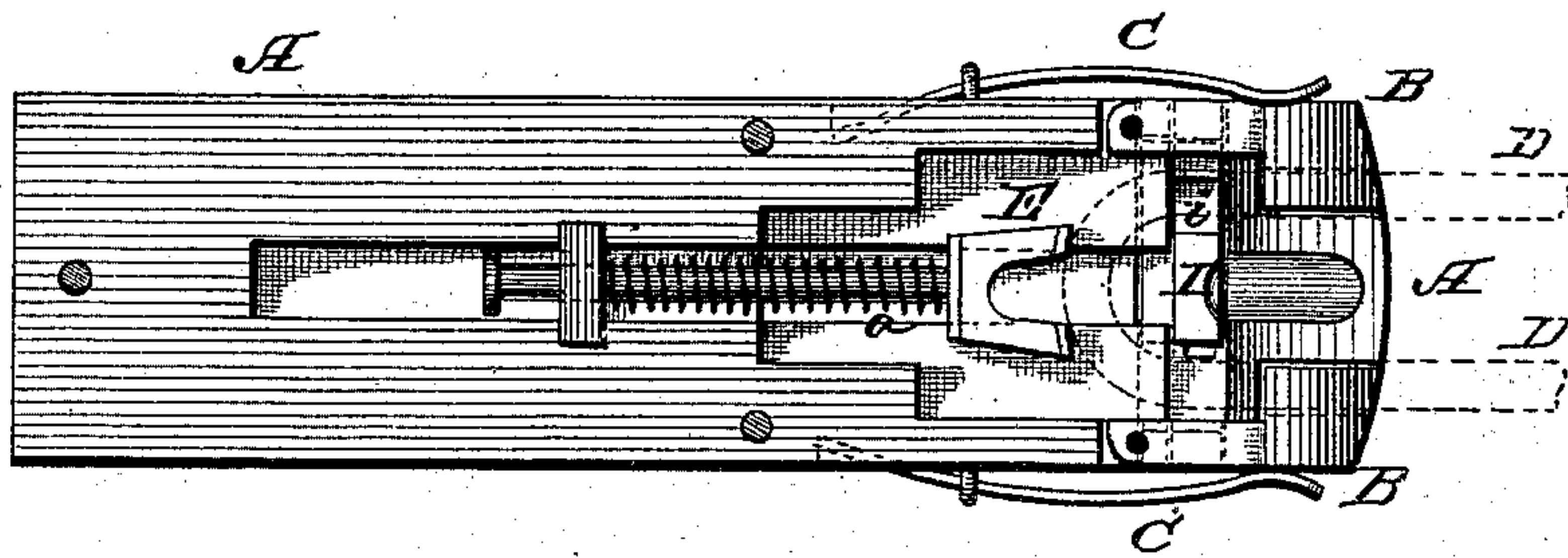


Fig. 3.

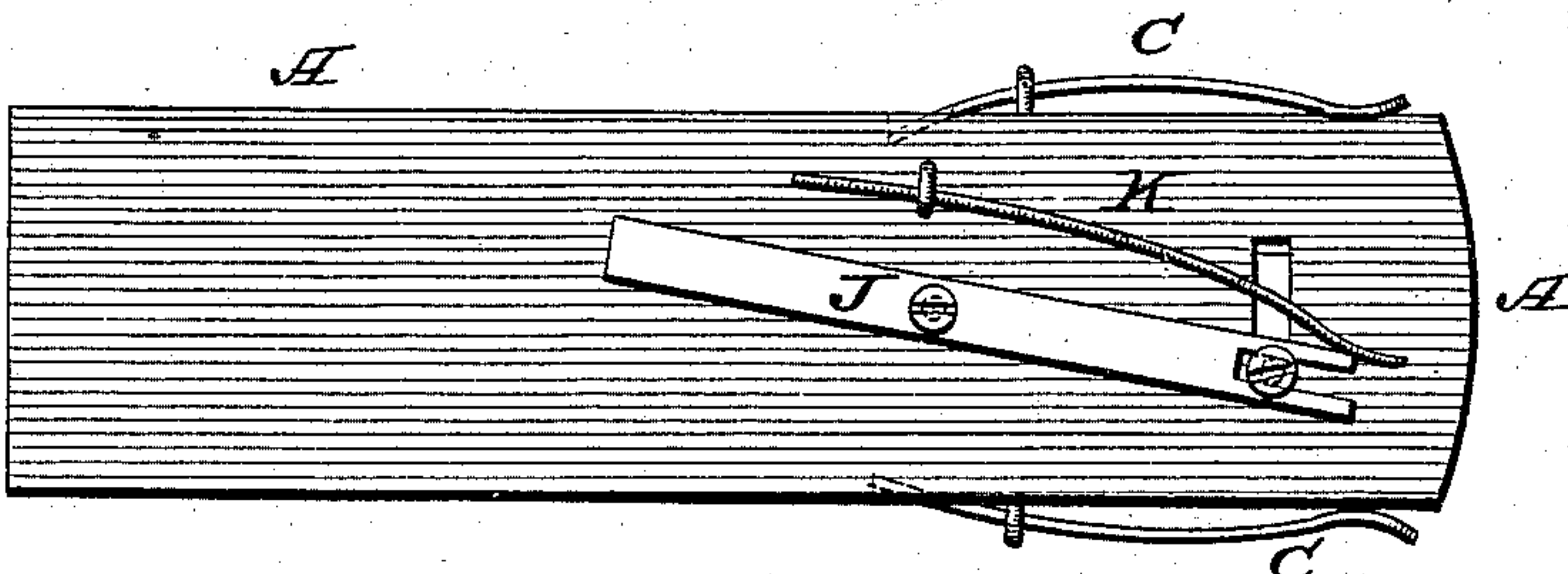


Fig. 4.

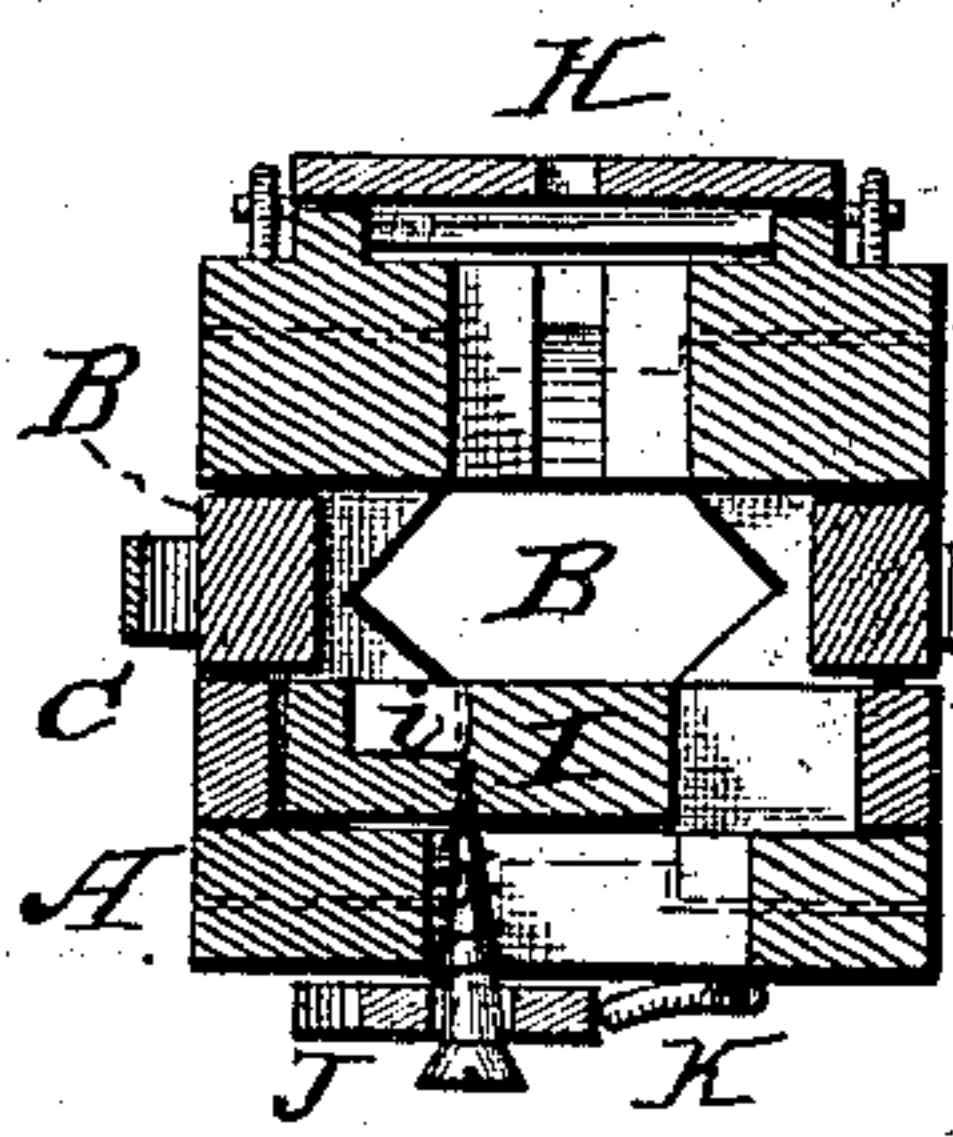
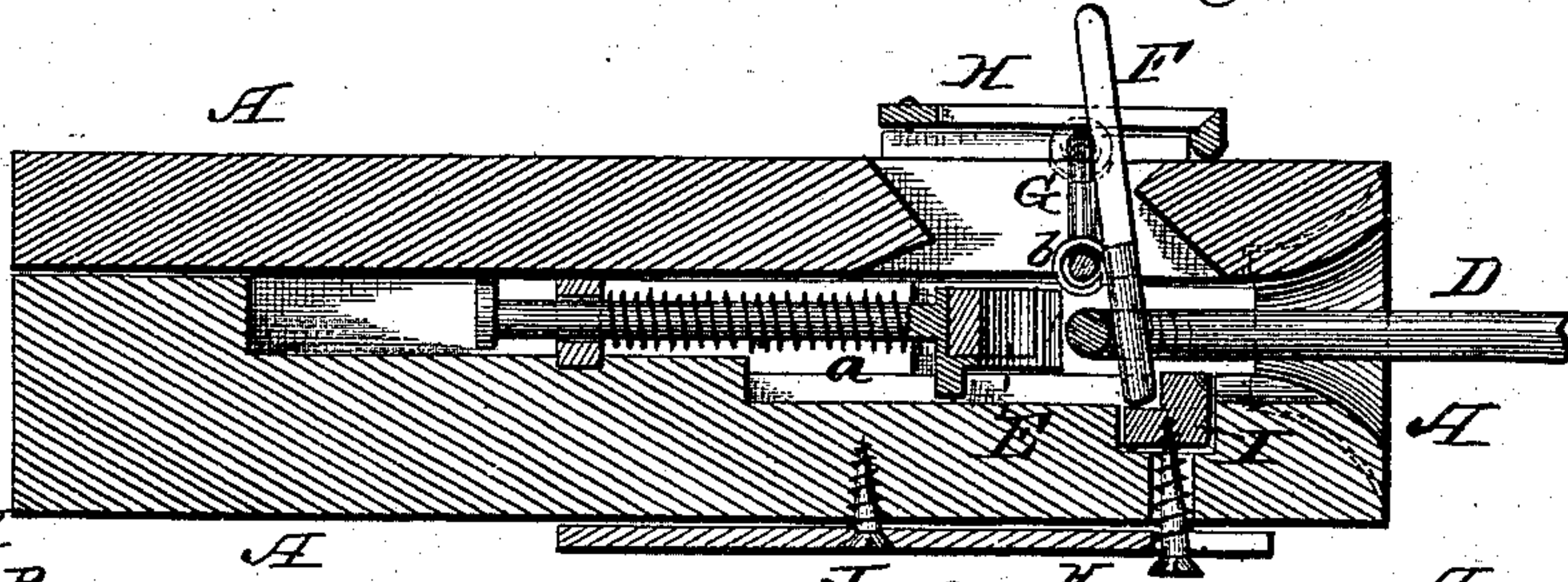
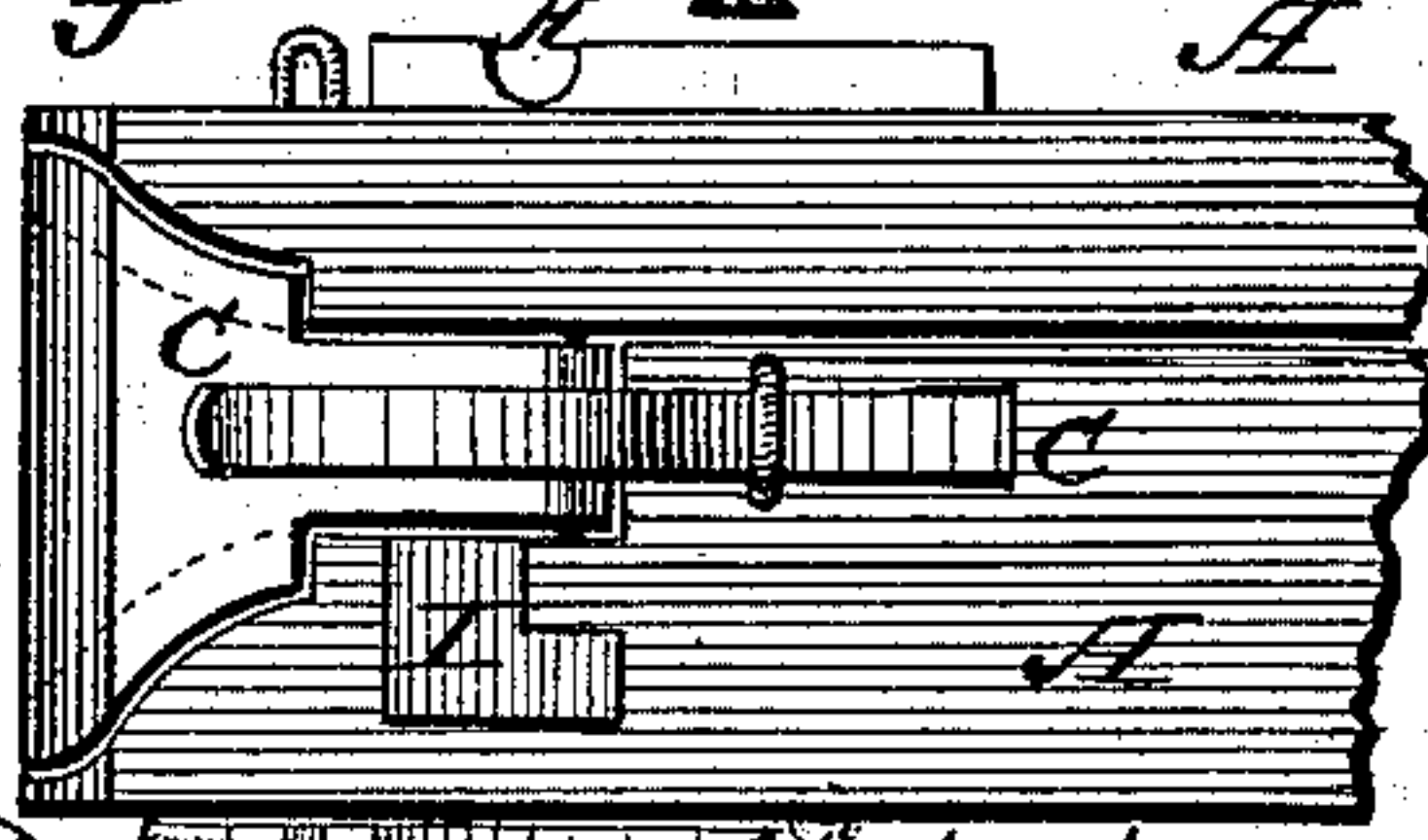


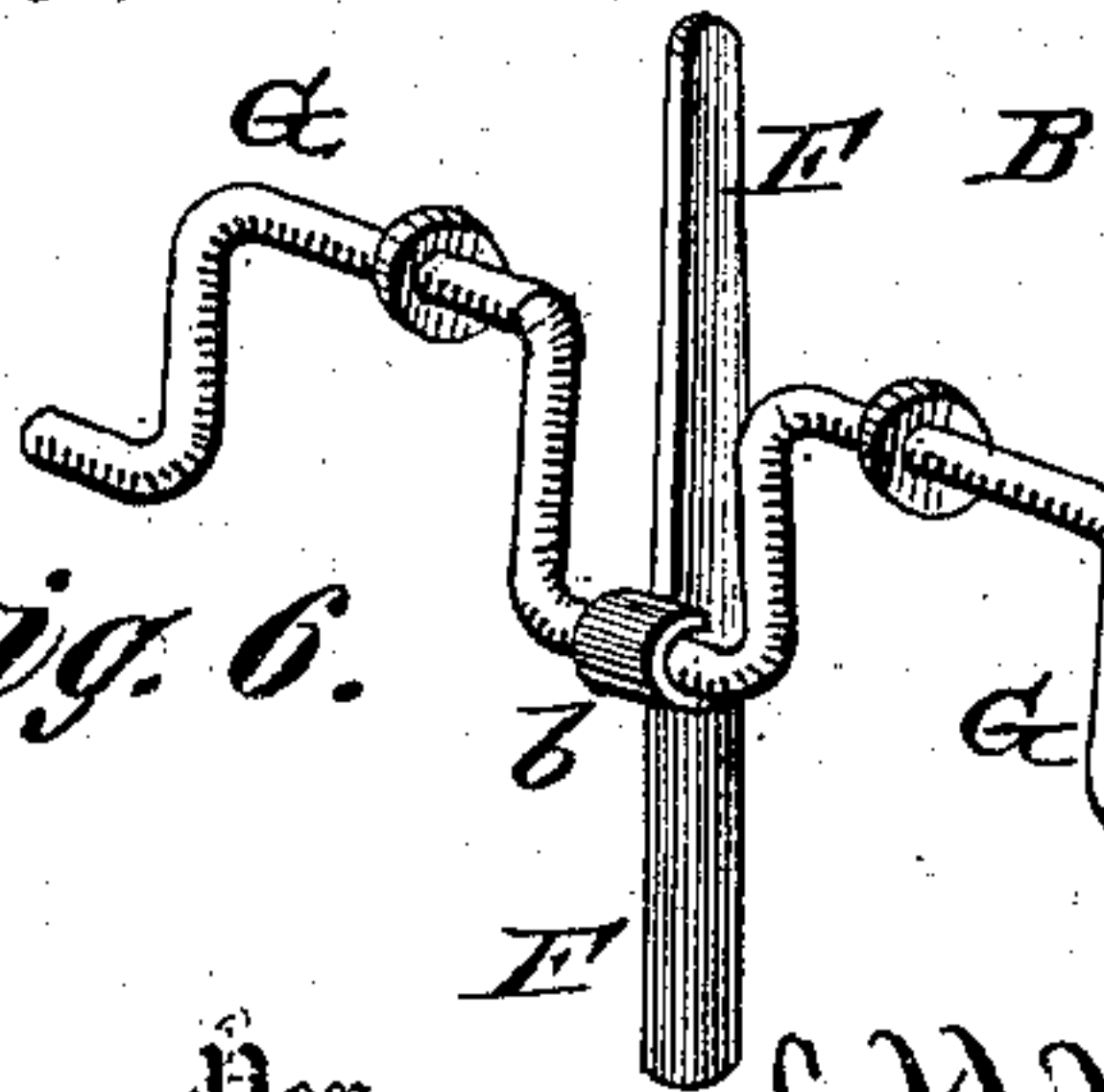
Fig. 7.



Witnesses:

P. Dietrich  
Frank Duff.

Fig. 6.



Per

Inventor:  
Joseph F. Wright.  
C. N. Watson & Attorneys.



# UNITED STATES PATENT OFFICE

JOSEPH F. WRIGHT, OF MONTICELLO, ARKANSAS.

## IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **217,501**, dated July 15, 1879; application filed December 10, 1878.

*To all whom it may concern:*

Be it known that I, JOSEPH F. WRIGHT, of Monticello, in the county of Drew and State of Arkansas, have invented certain new and useful Improvements in Car-Couplings; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a car-coupling, as will be hereinafter more fully set forth.

In the annexed drawings, Figure 1 is a plan view. Fig. 2 is a similar view with top removed. Fig. 3 is a bottom view. Fig. 4 is a longitudinal vertical section; and Figs. 5, 6, and 7 are detail views of various parts of my invention.

A represents a draw-head of any suitable construction. In each side of the draw-head is pivoted a jaw or clamp, B, which is forced inward by means of a spring, C.

D represents an ordinary coupling-link, which, when inserted in the draw-head, is held in place by the spring-jaws B B on either side, said jaws at the same time, however, yielding sufficient to allow the link to have the required amount of play in either direction.

Within the draw-head is a forked slide, E, pressed forward by means of a spiral spring, a, behind it, said slide yielding to the pressure of the link when being inserted in the draw-head, and when the coupling-pin is raised throwing the link forward.

F represents the coupling pin or bar, provided on one side with a hook, b, by means of which it is suspended from the center of a double crank, G. This crank extends across the draw-head, so that, by slightly turning the same backward on either side, the cars can be uncoupled without getting on the platform

when the cars are not in motion, and the cars can be left uncoupled, if desired.

When the link enters the draw-head it strikes the coupling pin or bar F and carries it back until it passes the end of the bar, when it drops through the link to its proper place.

The upper end of the coupling-bar F projects through a slot in a platform, H, on top, for guiding the same properly in its movement.

In the bottom of the draw-head is a flanged bar, I, capable of sliding transversely across the same, and against which the lower end of the coupling-bar rests. The sliding bar I is moved backward and forward by means of a lever, J, on the under side of the draw-head.

When the bar I is moved so that a slot, i, therein comes opposite the end of the coupling-bar, said coupling-bar passes through the slot and the cars are instantly uncoupled.

The lever J is intended to be operated by a lever passing up through the platform, and the lower end thereof connected with the lever J.

A spring, K, may also be used in connection with the lever J to hold the slide-bar I in position for retaining the coupling-bar in place.

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

1. The combination of the coupling-bar F with hook b, the double crank G, and guide H, substantially as and for the purposes herein set forth.

2. The combination, with the draw-head A and coupling-bar F, of the slide-bar I, having slot i, the lever J, and with or without the spring K, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOSEPH F. WRIGHT.

Witnesses:

W. N. OWENS,  
W. C. HOWELL.