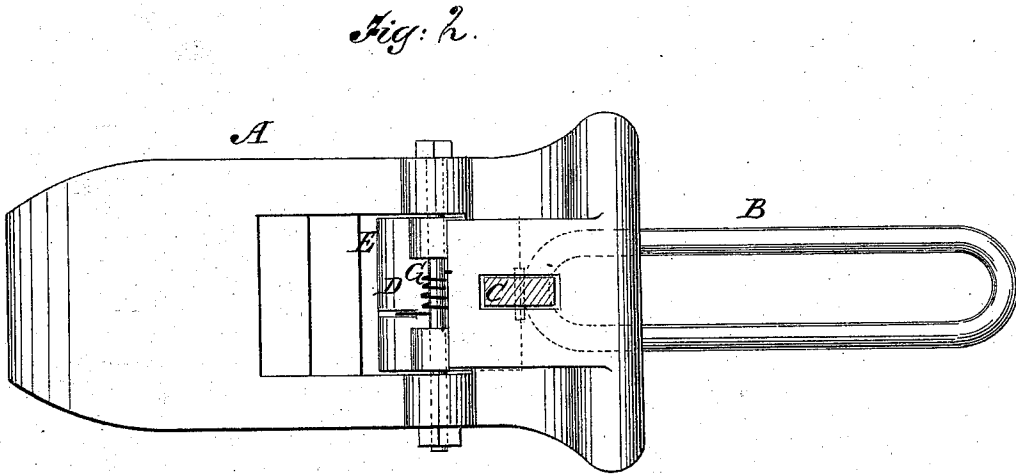
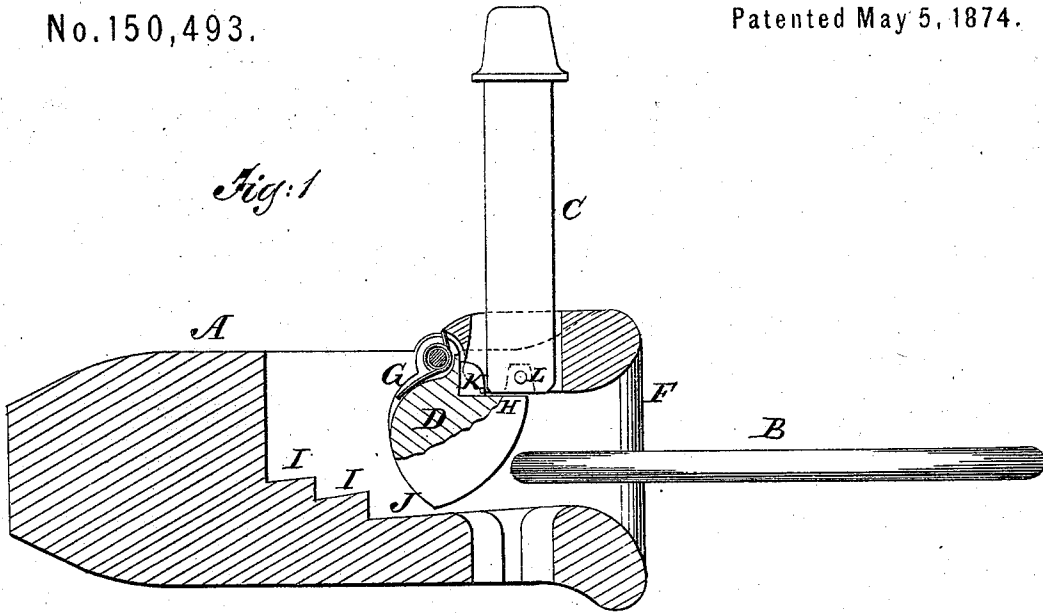


J. E. STEVENSON.
Car-Couplings.

No. 150,493.

Patented May 5, 1874.



WITNESSES:

Chas. Nida
Chiquet

INVENTOR:

J. E. Stevenson
BY *Munnell*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN E. STEVENSON, OF WILTON, IOWA.

IMPROVEMENT IN CAR-COUPLINGS.

Specification forming part of Letters Patent No. **150,493**, dated May 5, 1874; application filed March 14, 1874.

To all whom it may concern:

Be it known that I, JOHN E. STEVENSON, of Wilton, in the county of Muscatine and State of Iowa, have invented a new and useful Improvement in Car-Coupling, of which the following is a specification:

This invention relates to a new and useful improvement in apparatus for coupling railroad-cars together; and consists in a pivoted spring-block for holding the link and pin in position, and in the general construction, arrangement, and combination of parts hereinafter described.

In the accompanying drawing, Figure 1 represents a sectional side view. Fig. 2 is a top view.

Similar letters of reference indicate corresponding parts.

A is the draw-head; B, the link; C, the coupling-pin. D is a block, pivoted to the upper part of the draw-head, from which pivot it is suspended, and swings in the cavity E of the draw-head. F is the mouth of the draw-head. G is a spring, attached to the pivot of the block D, which serves to force the block downward to the position seen in Fig. 1, where the pin and the link are about being connected, as when cars are to be coupled. The pin is supported on the shoulder H of the block, and the end of the link is about to strike the block and allow the pin to drop. The inner surface of the lower part of the draw-head is provided with stops or gradations I, which receive the

end of the link where it is supported by the block D, when the cars differ in height. This block maintains the link in a horizontal position, whether it rests on the steps I or on the inner surface J of the draw-head, thus rendering it unnecessary to go between the cars and endanger life or limb in coupling them. K is a projecting web in the angle of the shoulder H of the block, which serves to hold the pin in place for coupling, as seen. L is a small pin to prevent the withdrawal of the coupling-pin from the draw-head.

The draw-head is so constructed that the coupling-pin may be supported when in the upper part by inclining it forward, the pin-mortise allowing sufficient play for that purpose, while the end rests on a shoulder, N.

This coupling is adapted for the ordinary coupling-link. It is composed of but few parts, and not likely to break or get out of order.

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

The combination of the pivoted spring-block D, pin C, link B, and steps I with the draw-head A, substantially as and for the purpose described.

JNO. E. STEVENSON.

Witnesses:

F. BACON,
W. H. BACON.