(No Model.)

M. J. HOEY.

DRAW BAR ATTACHMENT.

No. 526,527. Patented Sept. 25, 1894.

Fig. 1.

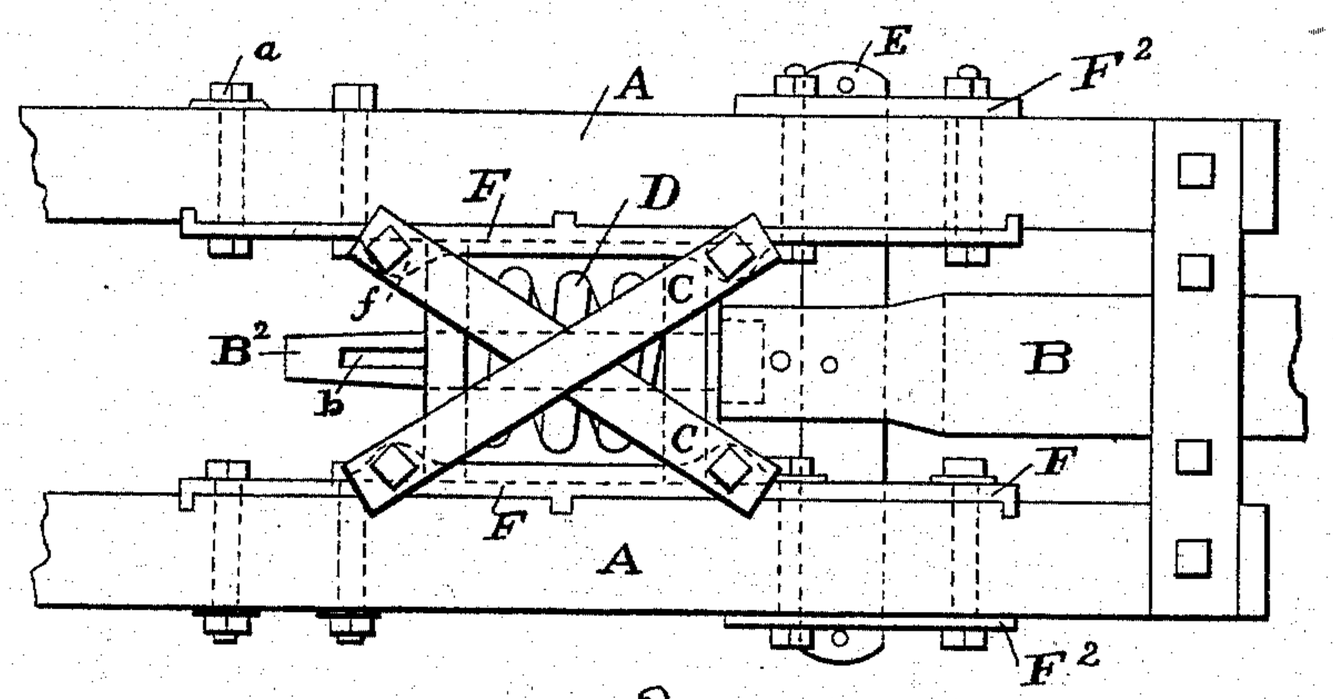
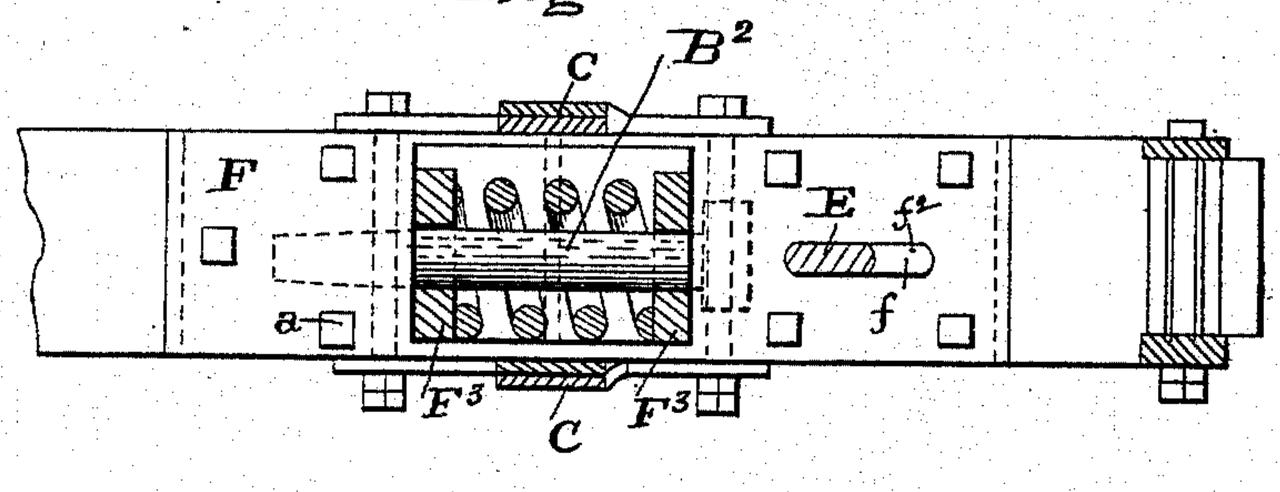


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

MICHAEL J. HOEY, OF COLUMBUS, OHIO.

DRAW-BAR ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 526,527, dated September 25, 1894.

Application filed January 2, 1894. Serial No. 495,310. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL J. HOEY, a citizen of the United States, residing at Columbus, in the county of Franklin, State of Ohio, have invented certain new and useful Improvements in Draw-Bar Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in draw-bars and it has for its object the production of a pocket or closure to prevent the displacement of the spring and the draw-bar guiding rod, and to prevent the pulling out of the drawbar proper, in event of the breaking of its retaining key and to these ends, the invention consists of the detailed construction and combination of parts substantially as hereinafter more fully disclosed and pointed out specifically in the claim.

In the accompanying drawings, illustrating my invention Figure 1— is a plan view of the invention, as applied for use, and Fig. 2— is a vertical longitudinal section thereof.

In carrying out my invention, I produce a pocket or closure for the guiding rod B^2 of the draw-bar proper B, and its spring D to provide for the holding of the same in place, as well as to prevent their displacement in the event of the breaking of the retaining key *b* of said rod. This pocket or closure comprises the side-plates F, suitably secured to opposite timbers A of the running gear frame, by bolts *a*, the crossing top and bottom plates C, themselves, bolted to ears or lugs upon the top and bottom edges of said side-plates respectively, and the follow-plates F^3 F^3 passing from one timber to the other.

Through aligning openings in the follow-plates F^3 passes the guiding rod B^2 surrounded by the spring D arranged between said plates in the usual way; and transversely through coincident openings or slots f^2 in the timbers A, side-plates F and the draw-bar proper B, passes a safety-key E, itself suitably held against displacement, to prevent the pulling out of the draw-bar and its adjunctive parts, in event of the breaking of the key *b* inserted through the guiding-rod of the said draw-bar.

Shorter plates F^2 F^2 are provided on the outside of the timbers A, and have slots corresponding to those in the plates F, through which the safety-key E also passes when in position.

By the employment of plates F, and F^2, and the cross-pieces C, draw-bars are rendered much stronger than those ordinarily employed, and my device may be attached to any coupling in use in a ready and inexpensive manner.

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

The combination of the side-plates bolted to opposite timbers of the running-gear frame of a car—and having follow plates provided with aligning openings, the top and bottom crossing plates secured or bolted to the top and bottom edges of said side-plates, respectively, the draw-bar having a spring-encircled rod passing through the openings of said end-plates and keyed in place, and the safety-key passing through coincidental openings in said plates, timbers and draw-bar, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

MICHAEL J. HOEY.

Witnesses:

C. O. HUNTER,

ARTHUR HEYDE.