

(No Model.)

M. PETTET.

CAR COUPLING.

No. 336,259.

Patented Feb. 16, 1886.

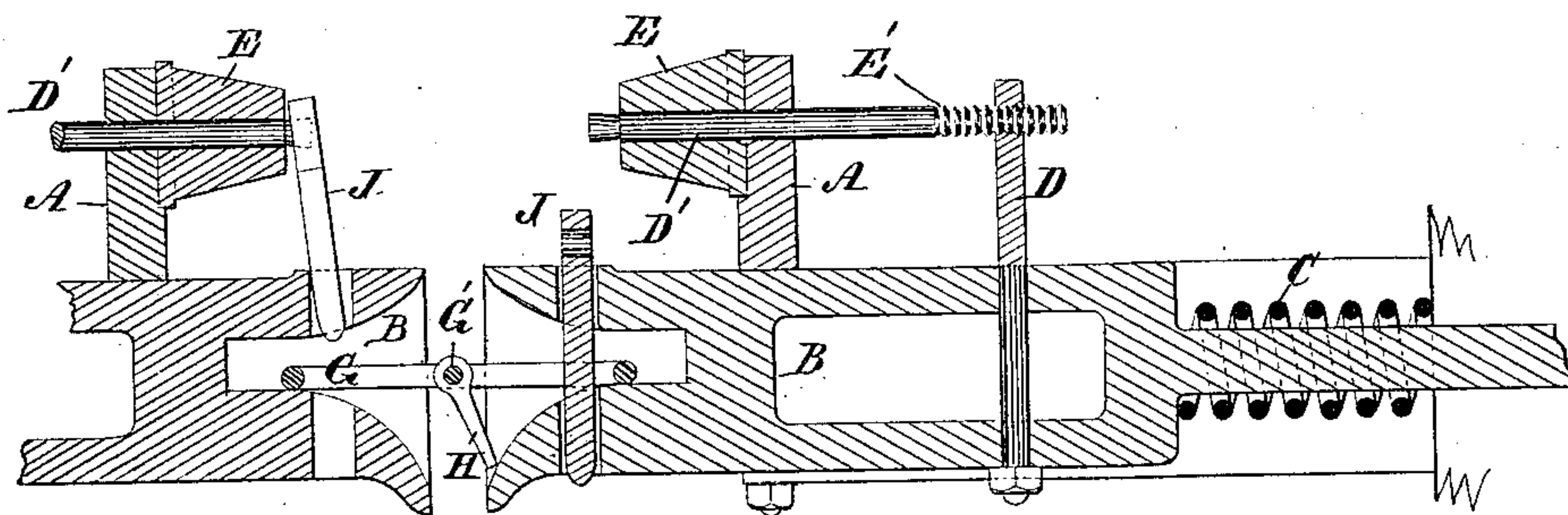


Fig. 1.

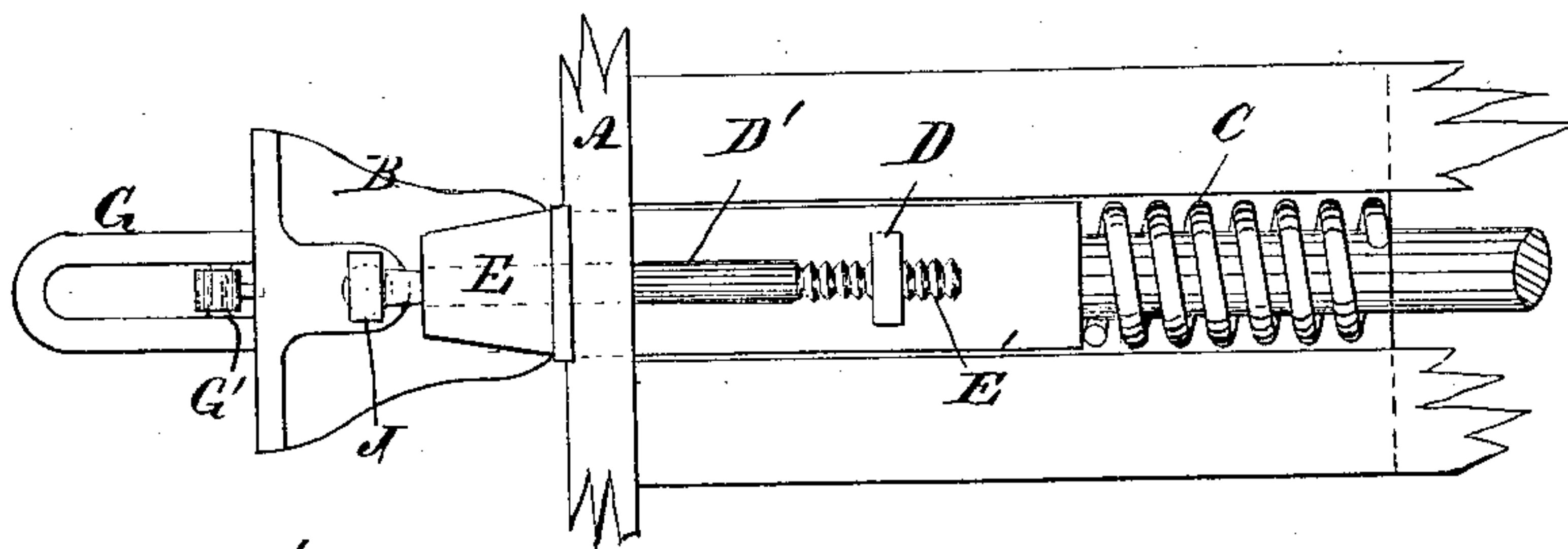


Fig. 2.

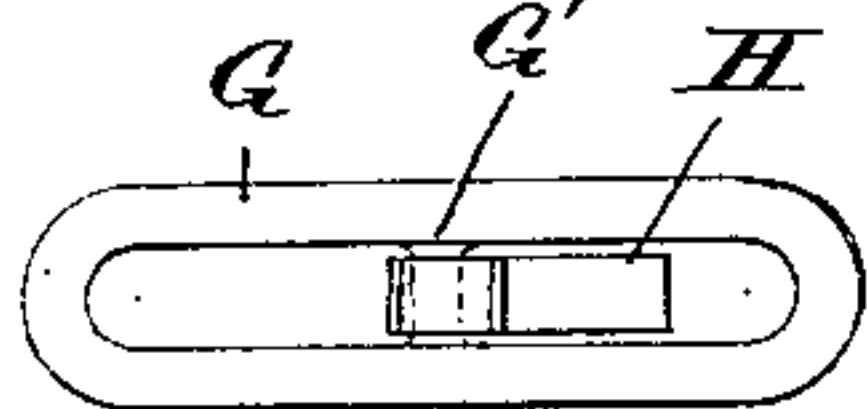


Fig. 3.

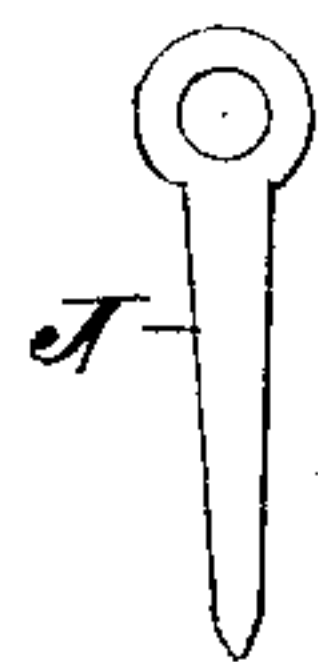


Fig. 4.

Witnesses:
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UNITED STATES PATENT OFFICE.

MILES PETTET, OF WELLINGTON, ONTARIO, CANADA.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 336,259, dated February 16, 1886.

Application filed August 26, 1885. Serial No. 175,384. (No model.)

To all whom it may concern:

Be it known that I, MILES PETTET, of Wellington, in the county of Prince Edward, in the Province of Ontario, in the Dominion of Canada, 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 same.

The object of my invention is to couple cars automatically after prior adjustment of the coupling-pin, and to support the link horizontally in the draw-head to effect coupling.

My invention consists of a draw-head provided with a post having an arm projecting through the end of the car-truck, and a coupling-pin hung on the end of the arm, so that when the draw-head is forced inward the arm will leave the pin, and the pin will drop into the link to effect coupling; also, in a link having a central cross-bar provided with a prop to bear within the mouth of the draw-head to support the link in horizontal position for coupling automatically.

Figure 1 is a longitudinal vertical section of two draw-heads approaching coupling, showing my improvements. Fig. 2 is a top view of one of the draw-heads. Fig. 3 is a plan view of my improved link, and Fig. 4 is an elevation of the coupling-pin.

A is a portion of the car-truck or car, and B the draw-head, provided with the usual spring, C, whereby the draw-head will have the ordinary endwise movement when two draw-heads come together in coupling.

D is a post, secured to the draw-head intermediate of the spring and mouth of the draw-head, and provided with a horizontal arm, D', which passes loosely through a boss, E, on the

end of the car-truck. The outer end of the arm slightly projects from the boss vertically with the pin-hole in the draw-head when the draw-head is in a normal position, the projection being sufficient to hang thereon the coupling-pin J, which is provided with a suitable eye. In such position the point of the pin enters the pin-hole, so that when two draw-heads come together they will be forced endwise, and the outer end of arm D' will be drawn into the boss, thereby leaving the pin, which immediately drops and secures the link which had previously been adjusted in the opposite draw-head, and effects coupling. The arm may, if desired, be provided with a screw, E', entering post D, to regulate the length of projection on which to hang the coupling-pin.

The coupling-link G has a cross-bar, G', on which bar is hung a prop, H, to support the link horizontally in the draw-head when the pin is in the link by the prop standing within the mouth of the draw-head, to effect coupling of the link with the draw-head of the annexing car.

I claim as my invention—

1. The combination, with the draw-head B, of the post and arm D D' and boss E, for hanging a coupling-pin, J, and releasing the same by an endwise movement of the draw-head, as set forth.

2. The coupling link G, having a cross-bar, G', near its middle, and provided with a prop, H, as set forth.

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Witnesses:

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