

N. SWIGART.

Improvement in Car-Couplings.

No. 129,300.

Patented July 16, 1872.

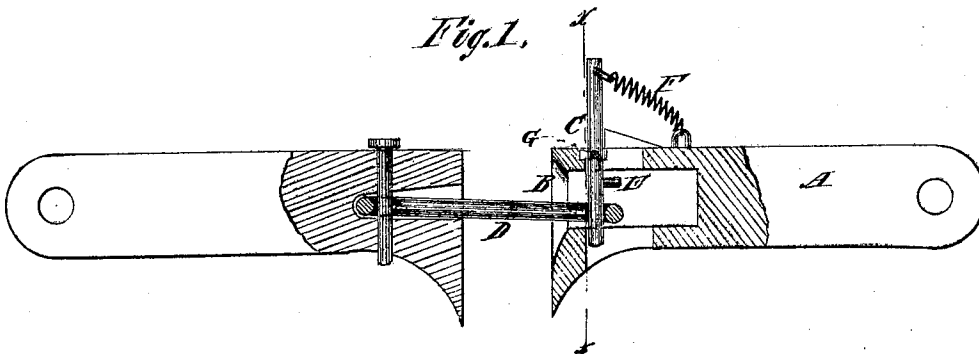
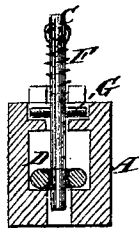


Fig. 2.



Witnesses:

P. C. Dieterich.
N. A. Graham

Inventor:

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PER

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UNITED STATES PATENT OFFICE.

NATHAN SWIGART, OF WEST RICHFIELD, OHIO.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. 129,300, dated July 16, 1872.

Specification describing a new and useful Improvement in Car-Couplings, invented by NATHAN SWIGART, of West Richfield, in the county of Summit and State of Ohio.

The object of this invention is to improve the apparatus for coupling cars together on railroads; and it consists in a device for rendering the cars self-separating in case of accidents, and also in the general construction and arrangement of parts, as hereinafter described.

In the accompanying drawing, Figure 1 is a sectional side view of the coupling. Fig. 2 is a vertical section taken on the line *xx* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A is the draw-head. B is the mouth of the coupling. C is the coupling-pin. D is the link. The coupling-pin is provided with a lug-pin, which stands at right angles with it, marked E. It is on the back side of the pin, and but a short distance above the end of the link, as seen in the drawing. If the other end of the link should drop, or the car fall from a bridge, or by any means become so depressed below the level of the track as to lower one end of

the link, the other end of the link would strike the lug-pin E and the link would act as a lever to pry the coupling-pin up, the mouth of the draw-head being the fulcrum. As soon as the lower end of the pin is raised from the lower part of the draw-head it releases the link and the cars are separated. The coupling-pin is confined to the draw-head by the spiral spring F, attached near its upper end, and is retained in its proper position in the draw-head by the transverse pin G, which rests in a recess in the top of the draw-head, as seen in the drawing.

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

The coupling-pin C, journaled as described, and having the laterally-projecting lug E on the rear side, and above the point against which link rests, as and for the purpose described.

NATHAN SWIGART.

Witnesses:

F. M. CHANDLER,
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