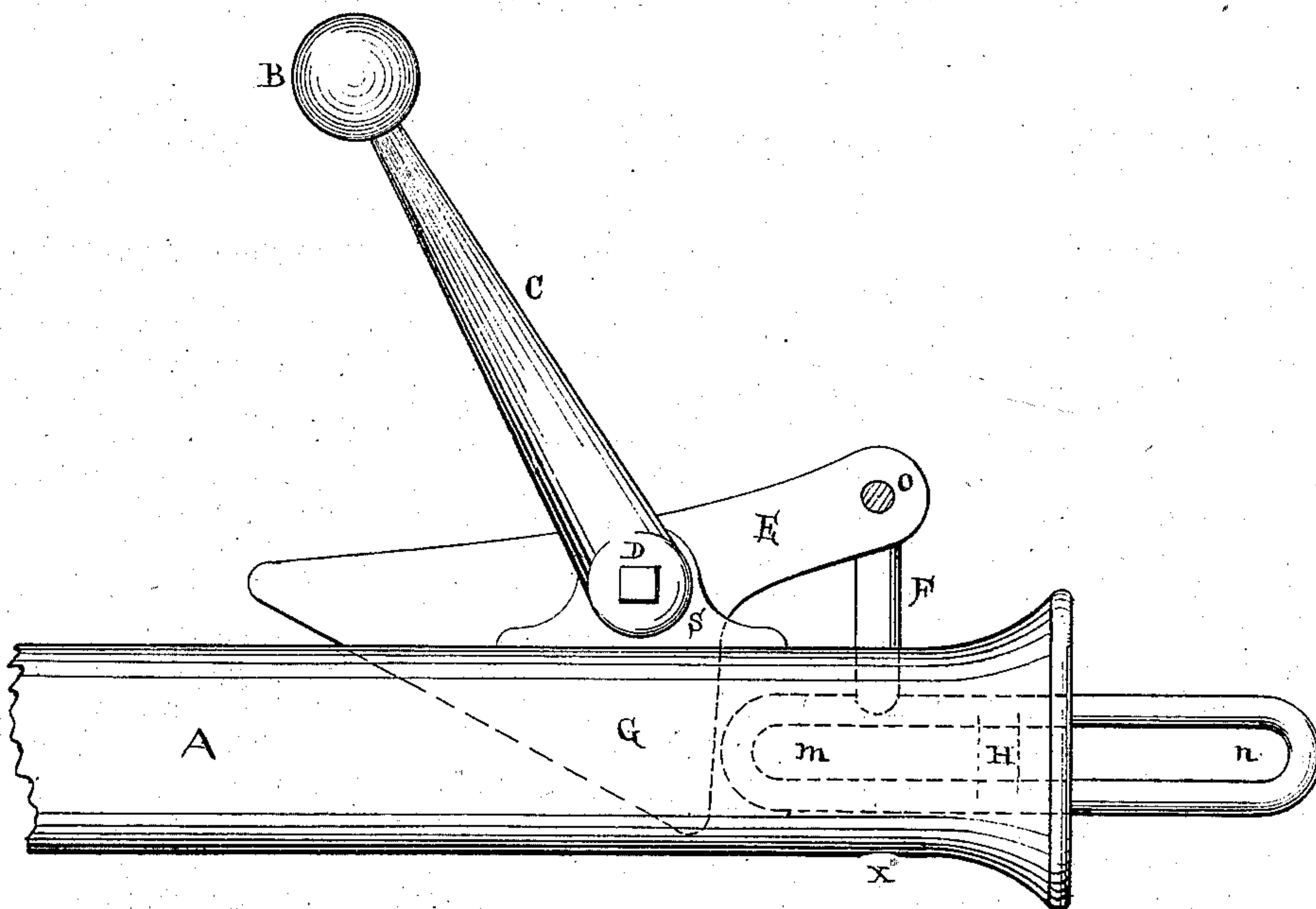


J. M. SUTTON.

Car-Couplings.

No. 136,879.

Patented March 18, 1873.



Witnesses.

A. B. Richmond  
Rae Reisinger

Inventor.

John M. Sutton  
per Atty. A. B. Richmond

# UNITED STATES PATENT OFFICE.

JOHN M. SUTTON, OF SUTTON'S CORNERS, PENNSYLVANIA.

## IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. 136,879, dated March 18, 1873.

*To all whom it may concern:*

Be it known that I, JOHN MILLER SUTTON, of Sutton's Corners, in the county of Crawford, State of Pennsylvania, have invented certain Improvements in Railroad-Car Coupling, of which the following is a specification:

The object of my invention is to construct a self-acting car-coupling that will couple railroad cars without the assistance of the brakeman, thereby avoiding the danger incident thereto.

The drawing represents my invention.

A is the draw-head, constructed in the usual form. On the top of the draw-head are two lugs or ears, one of which is shown at S. The other is on the other side of the dog E. The dog E is placed between the lugs s and a square hole therein, through which a pin, D, or bolt passes, on the out end of which is the lever C. The lower part of this dog E passes down through a slot in the top of the draw-head A so as to form a triangle, as shown by the dotted lines at G. F is a coupling-pin, hung on the dog E by a pin or bolt, o. *m n* is the coupling-link, with a bridge, H, across

its center. B is a weight to keep the lever in its place.

The operation of my invention is as follows, to-wit: If the end *n* of the coupling-link is attached to one car, and is by it pushed into the draw-head, the end of the link *m* will strike the part G of the dog E, forcing it back and dropping the pin F down through the link *m* into the hole X in the lower side of the draw-head, and at the same time throwing the lever C forward until the weight B is past the center of motion D, thereby retaining the pin F in its position and securely coupling the cars. When the bridge H hits the pin it prevents the link going in any further.

What I claim as my invention is as follows, to wit:

The dog E, constructed as described, in combination with the pin F, the lever C, and the link *m n*, for the purposes set forth.

JOHN MILLER SUTTON.

Witnesses:

A. B. RICHMOND,  
ROE REISINGER.