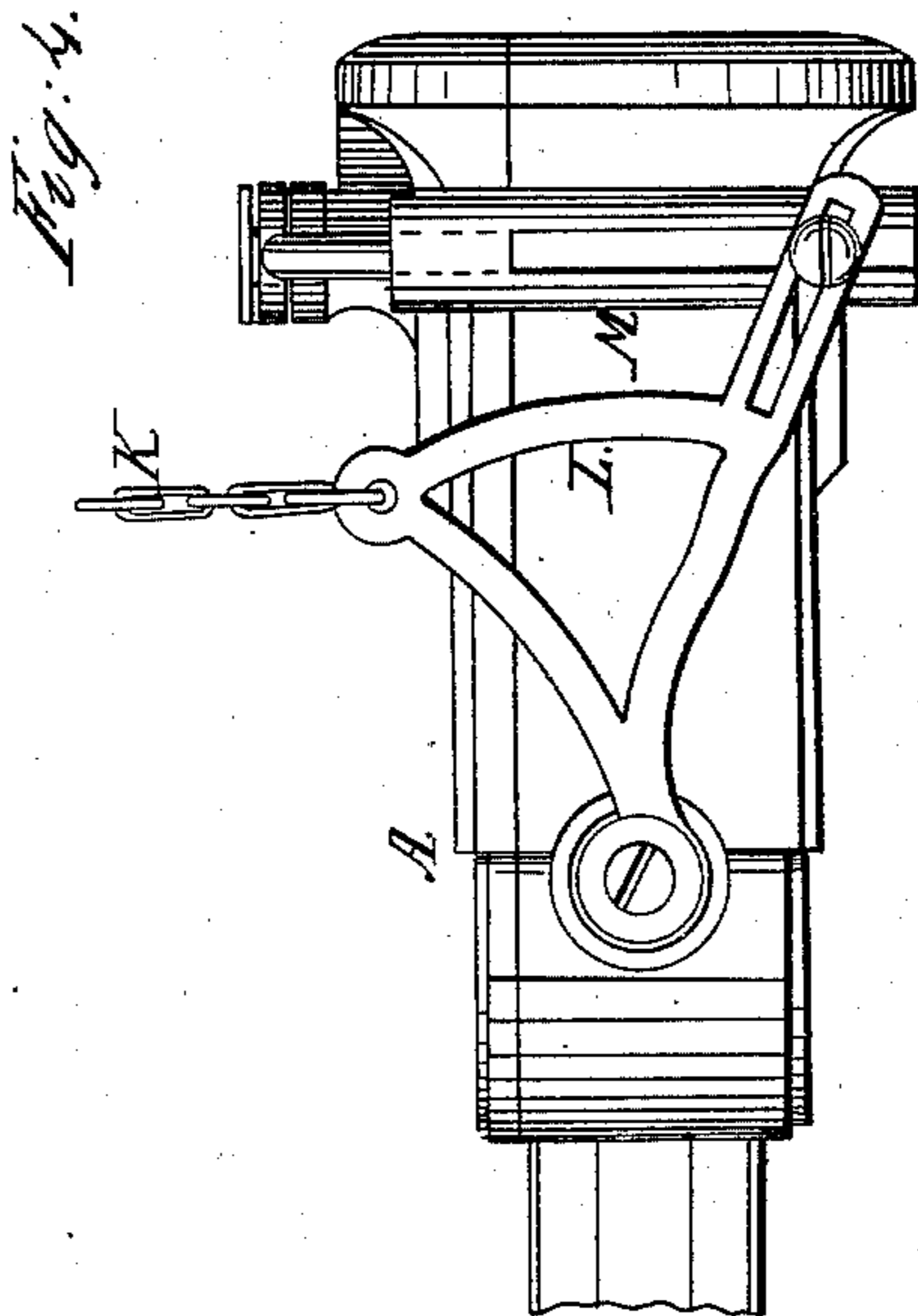
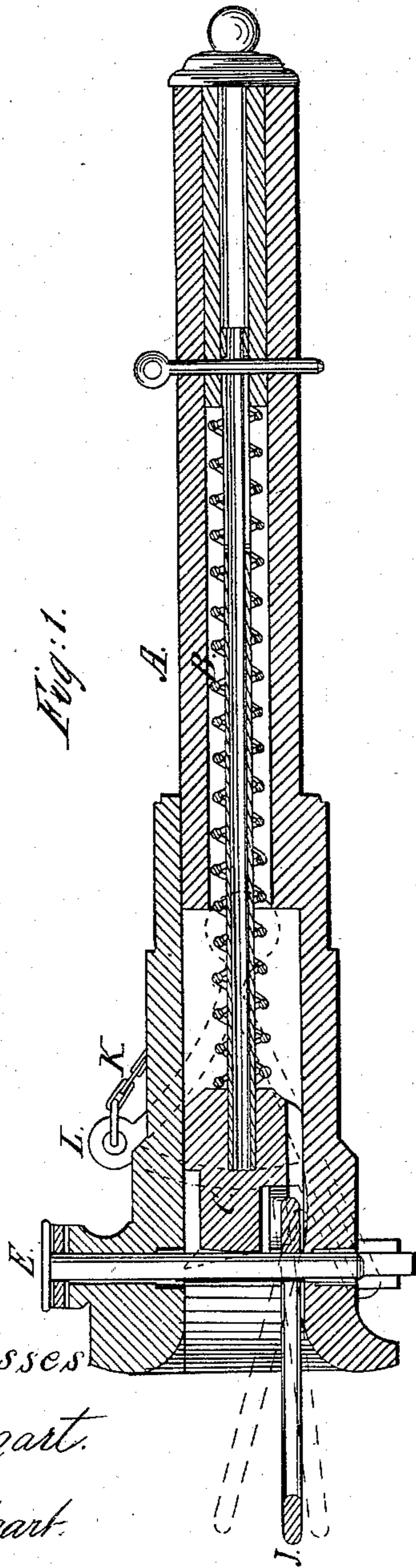


G. W. NOYES.  
CAR COUPLING.

No. 68,105.

Patented Aug. 27, 1867.



Witnesses  
D. Reigart.  
C. Reigart.

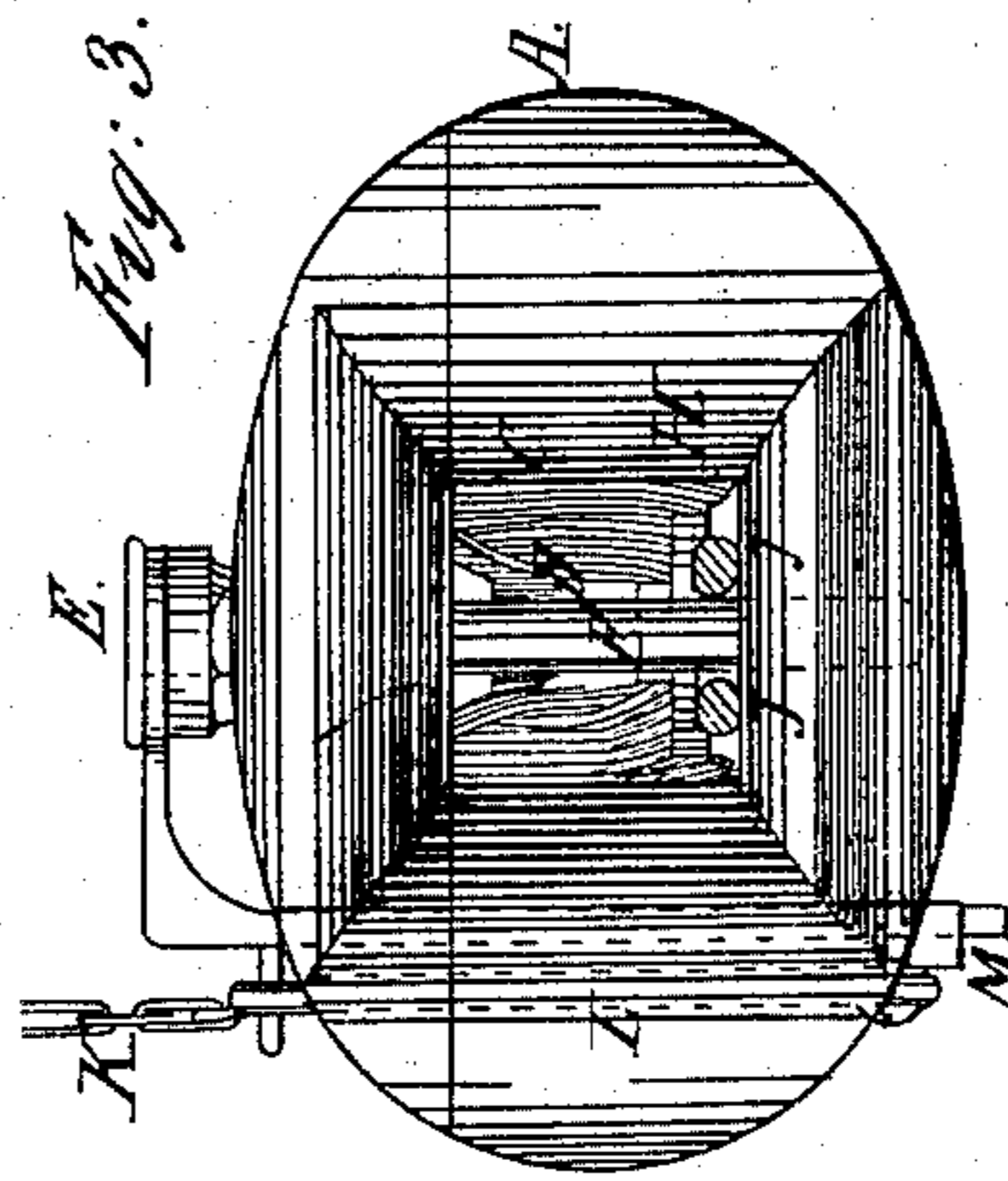
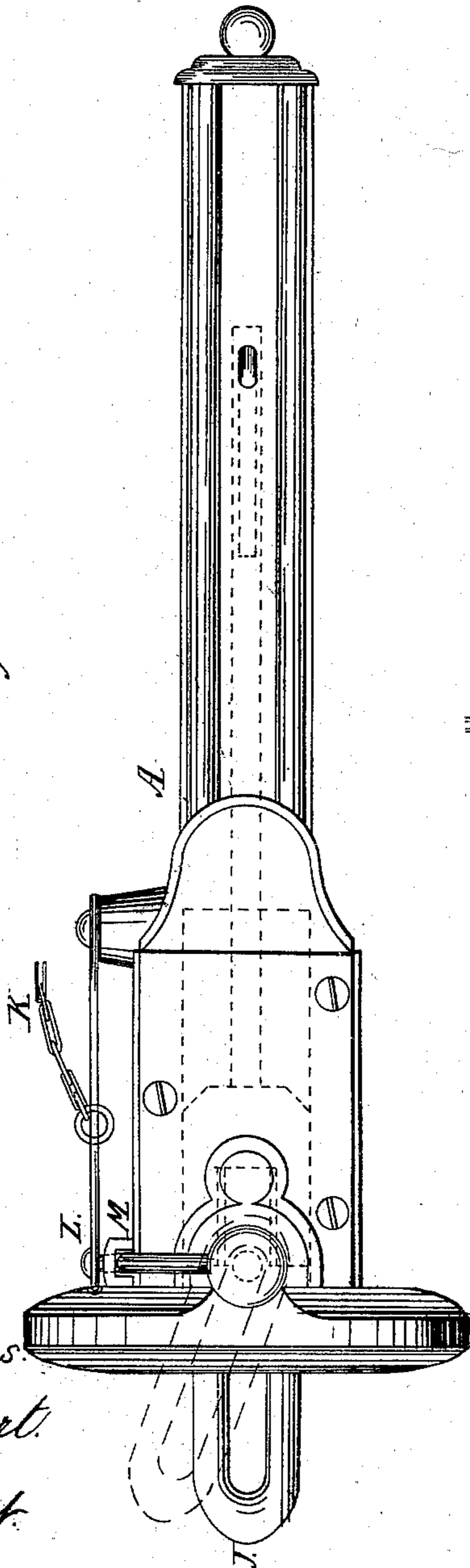
Inventor.  
George W. Noyes  
By his Atty J. F. Reigart.

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*Fig. 2.*



*Witnesses:*

*D. Reigart.*  
*C. Reigart.*

*Inventor:*

*George W. Noyes*  
*By his Atty. J. F. Reigart*

United States Patent Office.

GEORGE W. NOYES, OF NORWICH, CONNECTICUT.

*Letters Patent No. 68,105, dated August 27, 1867.*

IMPROVED CAR-COUPLING.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE W. NOYES, of Norwich, in the county of New London, and State of Connecticut, have invented new and useful "Improvements in Car-Couplings;" and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents a longitudinal section of the coupling.

Figure 2 a top view.

Figure 3 a front end view.

Figure 4 the side lever and its guide.

The nature of my invention consists in the construction of the adjustable head, angular lever with guide, all in combination.

A represents the outside cast-iron frame; B a spiral spring in the inside, against which the adjustable head C operates. This adjustable head has a groove, D, down its centre in front, in which the bolt E fits, and a groove, H, along its bottom side, in which the end of the link J operates, so as to keep the link J horizontal or level to prevent its falling down in front, so as to couple easily and play to either side on the bolt E. As the cars are pushed together the coupling is self-acting. The bolt E resting at the top of the groove D falls and catches the link J, as the link J presses back the adjustable or spring-head C. To uncouple the cars, the brakeman raises the chain K that draws up the angular lever L at the side; the lever L operates in a slotted guide, M, by means of which the bolt E is raised, and the numerous accidents in coupling and uncoupling cars are completely avoided.

What I claim as my invention, and desire to secure by Letters Patent, is—

The adjustable head C and pin E, with its devices L and M for operating the same, all constructed and arranged as herein described and for the purposes set forth.

GEORGE W. NOYES.

Witnesses:

J. FRANKLIN REIGART,  
JOHN S. HOLLINGSHEAD.