

No. 868,003.

PATENTED OCT. 15, 1907.

A. J. FLUMER & W. S. DORSEY.

HAY LOADER.

APPLICATION FILED AUG. 8, 1906.

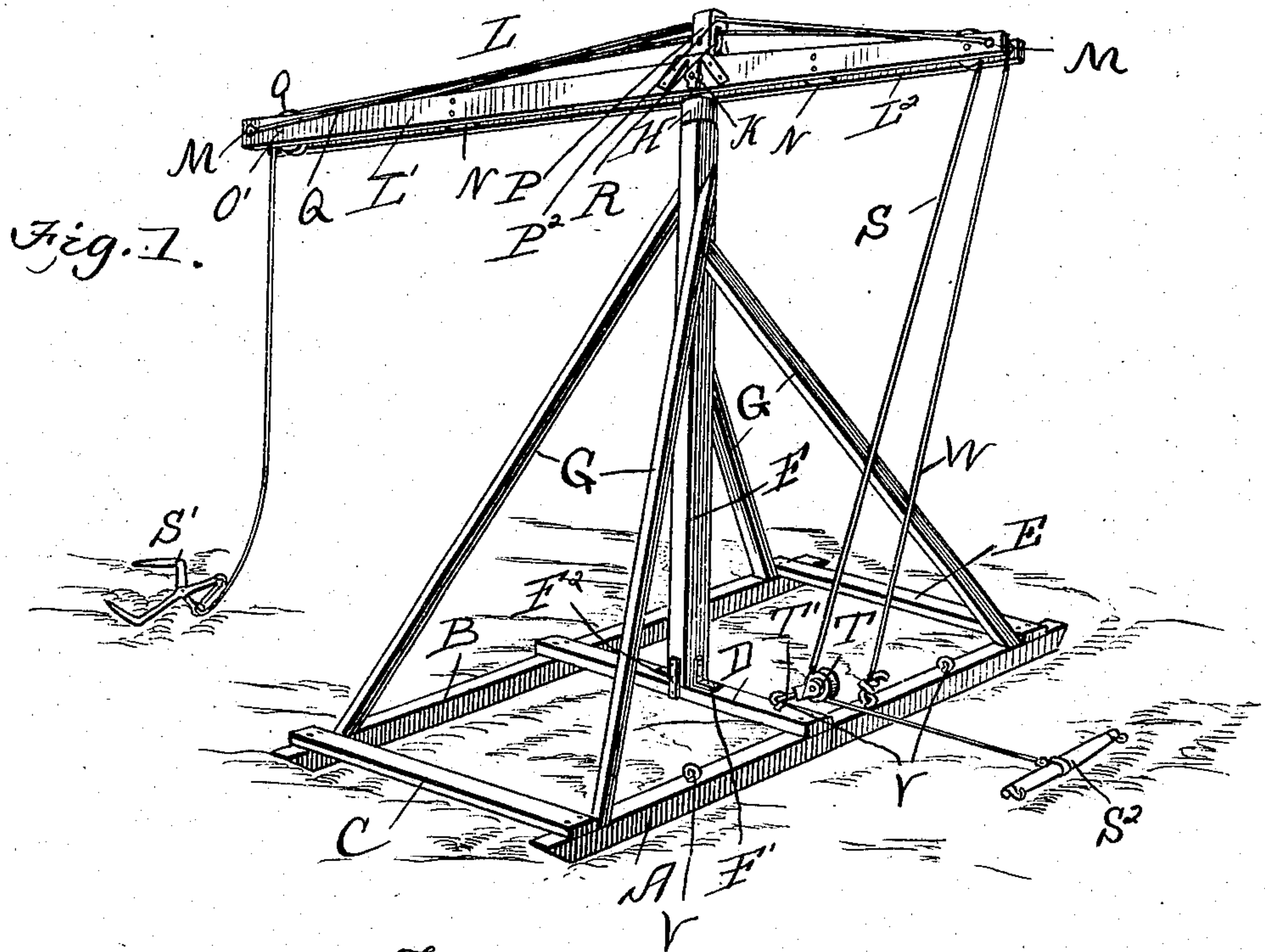


Fig. 2.

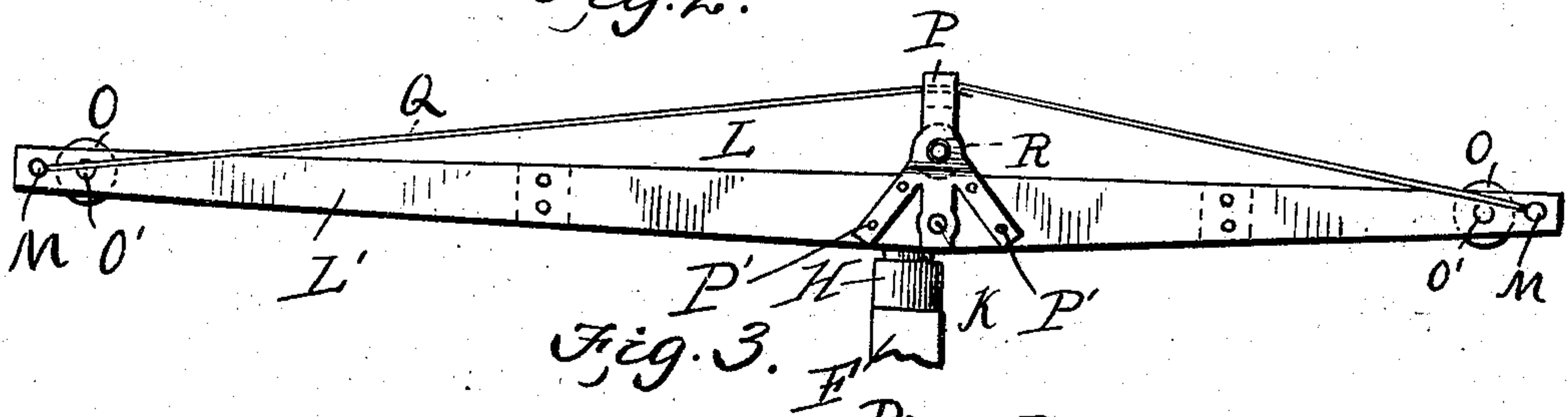


Fig. 3.

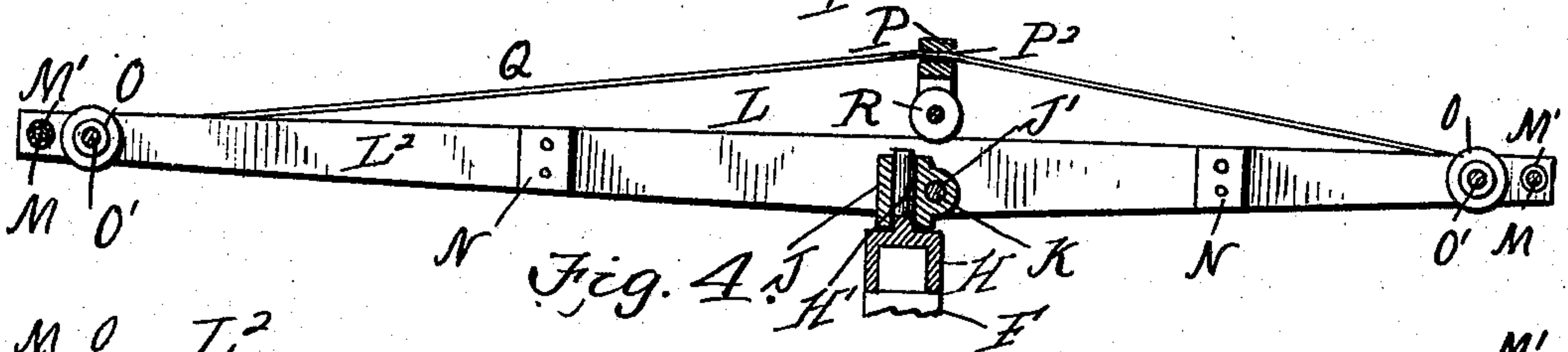


Fig. 4

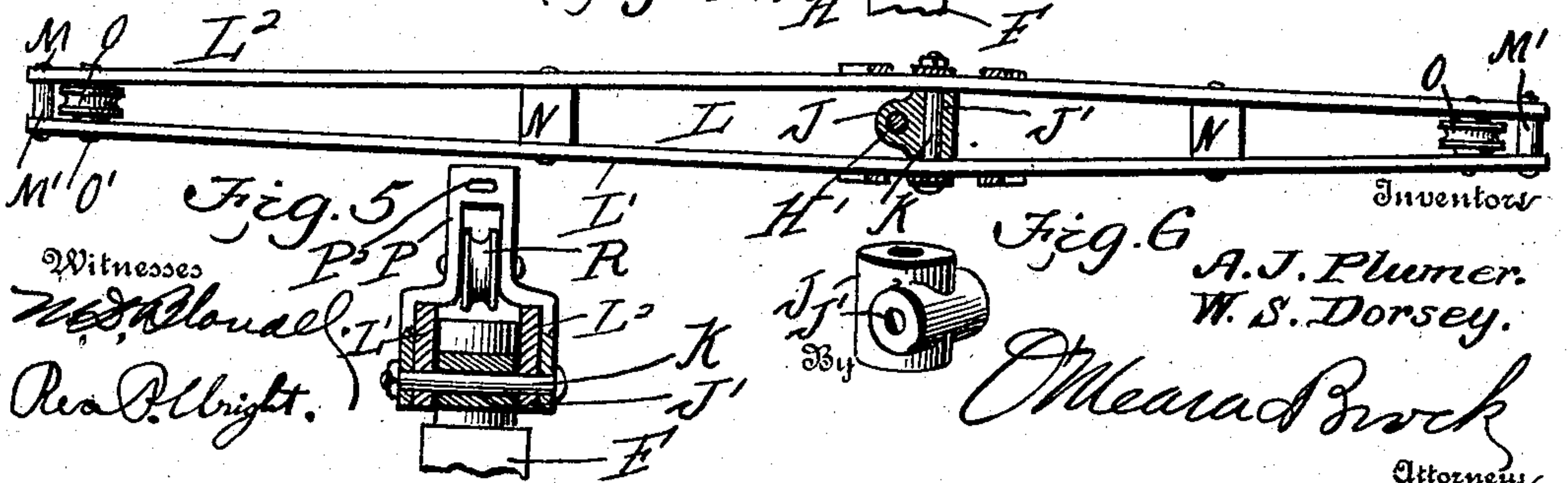


Fig. 5

Witnesses

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Fig. 6.

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# UNITED STATES PATENT OFFICE.

ANDREW J. PLUMER AND WILLIAM S. DORSEY, OF HYANNIS, NEBRASKA.

## HAY-LOADER.

No. 868,003.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed August 8, 1906. Serial No. 329,735.

*To all whom it may concern:*

Be it known that we, ANDREW J. PLUMER and WILLIAM S. DORSEY, citizens of the United States, residing at Hyannis, in the county of Grant and State of Nebraska, have invented a new and useful Improvement in Hay-Loaders, of which the following is a specification.

This invention relates to certain new and useful improvements in hay loaders, the object being to provide a portable loader which is very simple and cheap in construction and one which is very effective in use.

With this object in view, the invention consists in the novel features of construction, hereinafter fully described and pointed out in the claims.

In the drawings forming a part of this specification:—  
Figure 1 is a perspective view of our improved loader.  
Fig. 2 is a side elevational view of the walking-beam and a portion of the standard.  
Fig. 3 is a longitudinal sectional view of the same.  
Fig. 4 is a top plan view of the walking beam.  
Fig. 5 is a vertical section through the walking beam and bearing member.  
Fig. 6 is a perspective view of the socket.

Referring to the drawing A and B indicates a pair of runners connected together by cross bars C, D and E, forming a sled. Mounted centrally on the cross bar D is a standard F secured thereon by angle irons F', and plates F<sup>2</sup>. Braces G connect the upper end of the standard to the end of the runners so as to securely hold the standard in a vertical position. The upper end of the standard is reduced on which is mounted a cap H, provided with an upwardly projecting pin H', on which is mounted a sleeve J provided with an enlargement having a transverse bore J', which is mounted on a bolt K secured between the side-strips L', L<sup>2</sup>, of the walking beam L, to one side of the longitudinal center. The strips are connected together by bolts M adjacent each end on which are mounted anti-friction rollers M', and by blocks N secured between the strips L', L<sup>2</sup>, by bolts on either side of the bolt K. Pulleys O are mounted on shafts O' secured between the strips adjacent the bolts M. A yoke P is secured on the bolt K provided with arms P', which are secured to the side of the strips L', L<sup>2</sup>, of the walking beam L. An opening P<sup>2</sup> is formed in the upper end of the yoke

through which cables Q pass having their ends connected to the bolts M. A pulley R is mounted in the yoke over which the hoisting cable S is adapted to pass which passes down over the pulleys O and is provided with a hay-fork S', at one end and a swingle-tree S<sup>2</sup> at the other, to which a horse is adapted to be attached. A pulley T arranged on the end of the cable S provided with the swingle-tree is provided with a hook T' adapted to be connected to one of the eyes V secured to the runner A and cross bar D, so that the beam can be swung in either direction by attaching the pulley to the eye on the opposite side from the direction to which it is desired to swing the beam. A cable W connects the runner A to the end of the beam which holds the beam in a horizontal position.

From the foregoing description it will be seen that we have provided a hay loader so constructed that the beam will be swung to the desired place by the hoisting cable at the same time that the load is raised.

Having thus fully described our invention, what we claim as new and desire to secure by Letters Patent is:—

In a device of the character described, the combination with a sled formed of two parallel runners connected by cross bars, of a standard having a reduced upper end mounted on one of said bars, a cap provided with an upwardly projecting pin, mounted on the end of the standard, a walking-beam composed of two side bars connected at their ends by bolts upon which are mounted rollers, pulleys mounted between and adjacent the ends of said side-bars, a sleeve mounted on said pin on said cap, and provided with an enlargement having a transverse bore, a bolt passing through said bore and through the side bars of said walking beam at one side of its longitudinal center, a yoke embracing the sides of the walking-beam, mounted on the extended ends of the said transverse bolt, and provided with a pulley mounted therein, a hoisting cable passing over said pulley and down over the pulleys located at the ends of said walking beam, one end of said cable being attached to a hay-fork, and at the other end to a swingle-tree, a pulley carried by said cable and adapted to be secured in adjusted position to said sled, substantially as described.

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Witnesses:

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