

W. S. MEAD.
Elastic Tug-Holder.

No. 199,163.

Patented Jan. 15, 1878.

Fig. 1.

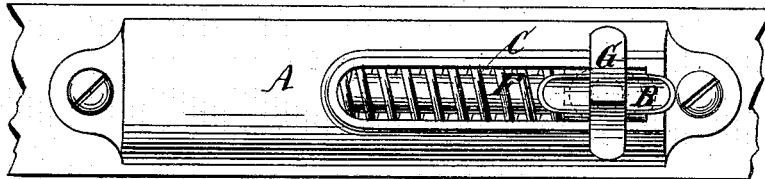
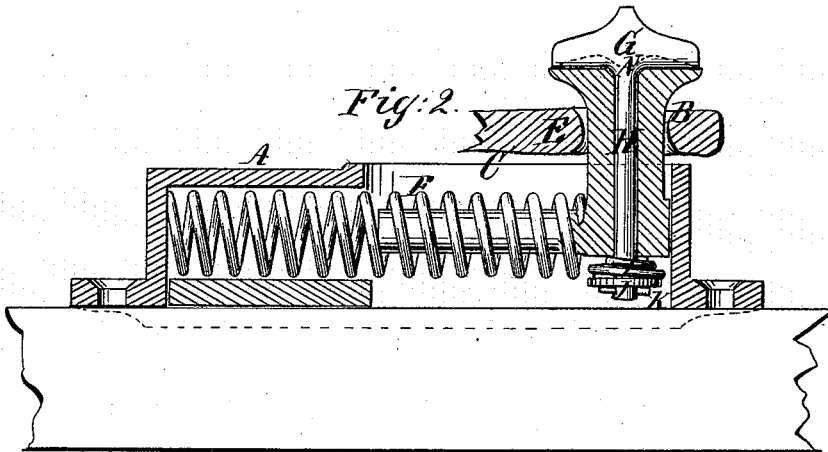


Fig. 2.



Witnesses:
E. Bilhuber
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WILLIAM S. MEAD, OF NEW YORK, N. Y.

IMPROVEMENT IN ELASTIC TUG-HOLDERS.

Specification forming part of Letters Patent No. **199,163**, dated January 15, 1878; application filed April 25, 1877.

To all whom it may concern:

Be it known that I, WILLIAM S. MEAD, of New York city, in the county and State of New York, have invented a certain new and useful Improvement in Elastic Tug-Holders, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a top view of my improved tug-holder as attached to the thill or shaft of a carriage. Fig. 2 is a longitudinal section of the same.

A is the barrel or body of my tug-holder as attached to the thill. B is a hook projecting through a slot, C, in the barrel, to receive the tug E, the other end extending into the barrel A, and surrounded by a spiral spring, F, within the barrel, for the purpose of giving an elastic motion to the hook B, and preventing the sudden shock or jar against the shoulders of the horse. G is a button, the shaft H of which extends through the hook B longitudinally, and is kept in place by means of a spring, I, a washer, J, and a pin, K. A nut could be substituted for the pin.

It will be readily seen that when the button G is turned crosswise, as in Fig. 1, the

tug cannot accidentally slip off, as a notch, N, is made in the top of the hook, into which the spring I causes it to snap when turned, thus rendering it perfectly safe as well as convenient.

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

1. The shanked hook B, grooved at N, in combination with button G H, which is held in place by spiral spring I, secured between washer J and bottom plane of hook B, in combination with spring F and barrel A, as and for the purpose set forth.

2. In a tug-holder to be attached to thills of running vehicles, the shanked hook B, provided with button G H, having spring I, washer J, and pin K, to hold the head of said button in groove N, in combination with the spiral spring F, secured in barrel A, to give a yielding draw to the tug E, as and for the purpose set forth.

WILLIAM S. MEAD.

Witnesses:

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