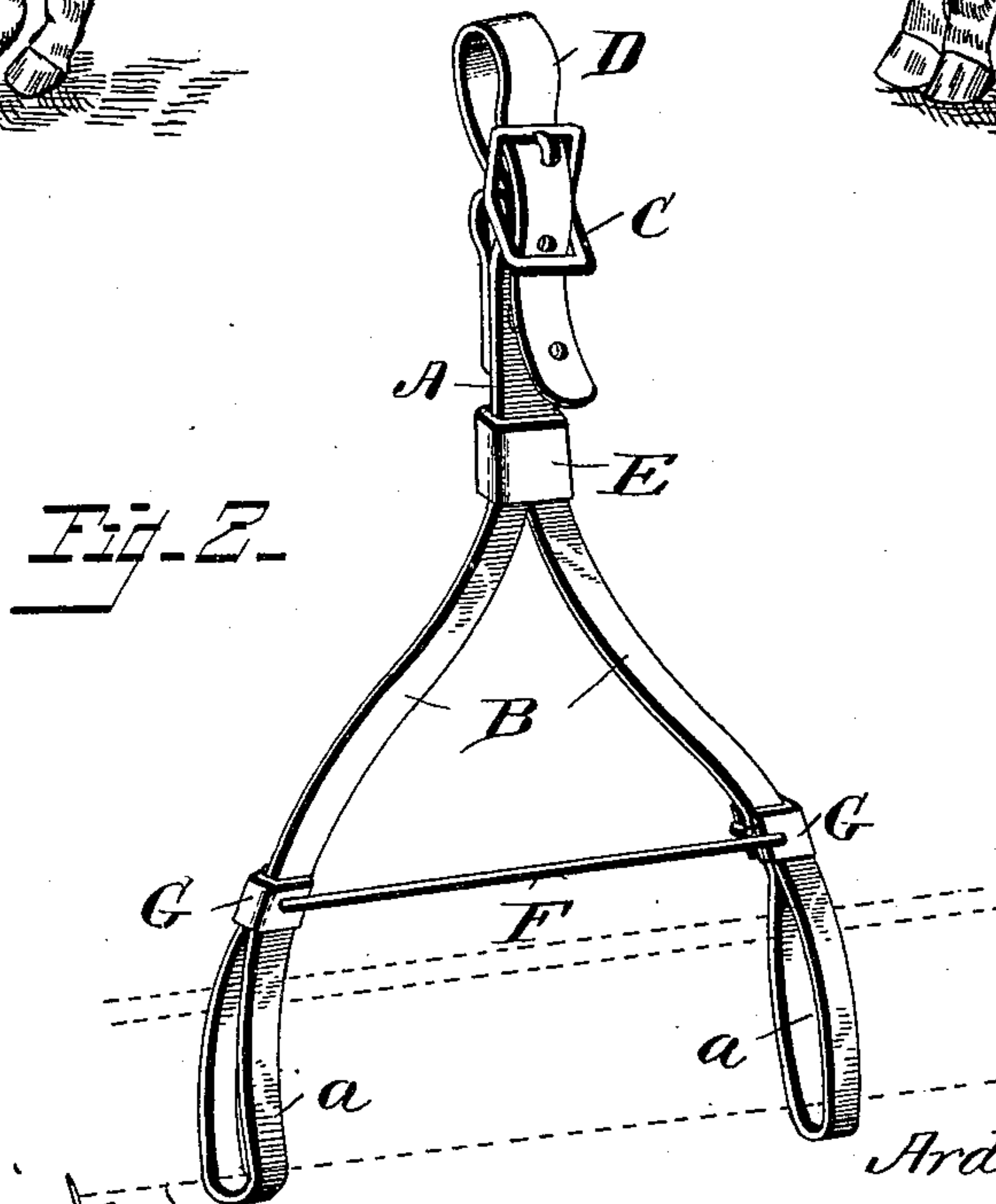
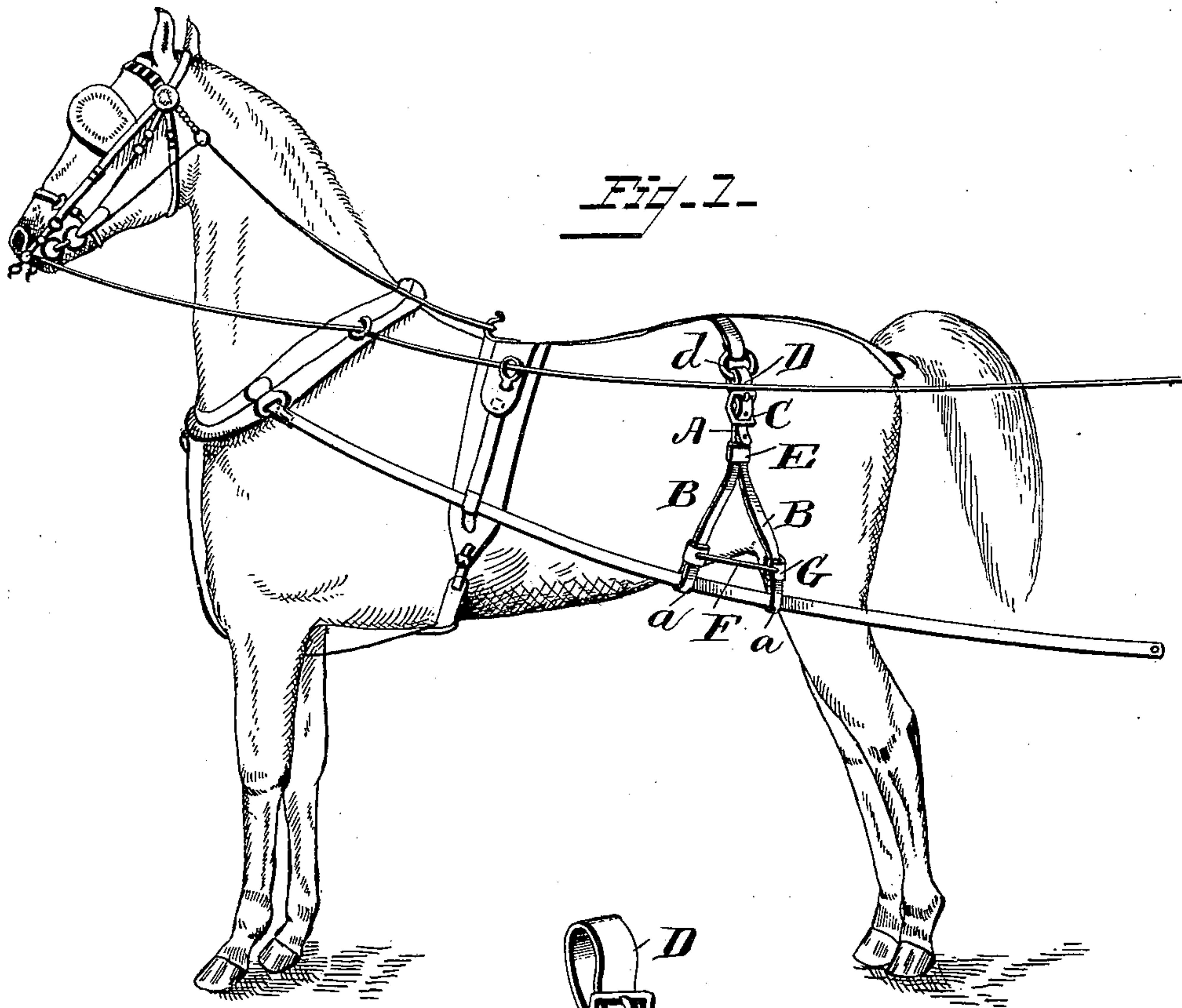


(No Model.)

A. D. KIMBALL.  
TUG HOLDER.

No. 463,516.

Patented Nov. 17, 1891.



Witnesses  
Albert Spiden.  
Van Burck Hillyard.

Inventor  
Arden D. Kimball.

By my Attorneys

R. S. & A. T. Lacey

# UNITED STATES PATENT OFFICE.

ARDEN D. KIMBALL, OF CHICAGO, ILLINOIS.

## TUG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 463,516, dated November 17, 1891.

Application filed July 25, 1891. Serial No. 400,671. (No model.)

*To all whom it may concern:*

Be it known that I, ARDEN D. KIMBALL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Tug-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to tug-holders and is designed as an improvement on Patent No. 414,548, which was granted me the 5th day of November, 1889, and aims to dispense with buckles on the diverging straps and brace the latter at their lower ends by a rod or stout wire.

The improvement consists of the novel features and the peculiar construction and combination of the parts, which will be hereinafter more fully described and claimed and which are shown in the annexed drawings, in which—

Figure 1 is a view showing the invention applied. Fig. 2 is a perspective view of the tug-holder.

The tug-holder is composed of a single strap A, which is split or separated at its lower end to form the diverging straps B, the ends on which are returned to form the loops *a*. The buckle C at the upper end of the strap A is provided with the short strap D, which buckles into the breeching-ring *d*. The metal clip E, clinched on the strap A just above the diverging straps B, prevents the further splitting or separating of the strap A. The brace rod or wire F, interposed between the lower ends of the straps B, has its ends bent and passed through

the said straps to fasten the loops *a* and clinched. The ends of the brace-rod F are clinched on the inner sides of the loops *a*, and to prevent turning and to still further strengthen the loops *a* leather straps G are provided and embrace three sides of the said loops, being held in place by the ends of the brace-rod which pass through the ends of the said straps G and through the straps B.

In practice the tug-holder is buckled by strap D to the breeching-ring *d* and the trace is passed loosely through the loops *a*.

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

1. A tug-holder composed of strap A, having buckle C at its upper end and having the diverging straps B at its lower, and having loops *a* at the lower ends of the straps B, and a brace-rod between the straps and having its ends serving as fastenings for the said loops, substantially as described.

2. A tug-holder composed of a single strap having buckle C and strap D at its upper end and having its lower end slit to form the straps B, which terminate in loops *a*, the short straps G, embracing the ends of the loops *a*, the brace-rod F, having its ends passed through the straps G and loops *a* to fasten the same, and the metal clip E, clinched on the strap A just above the straps B, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ARDEN D. KIMBALL.

Witnesses:

HUGH R. JONES,  
WILLIAM H. DOOLEY.