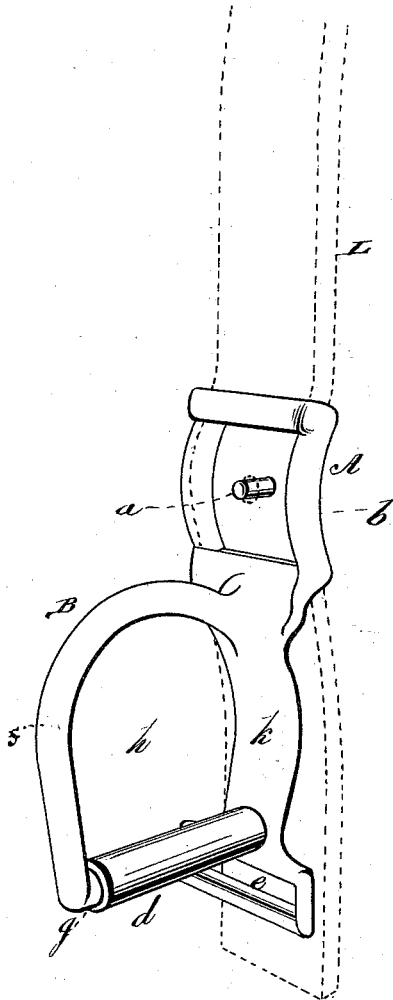


J. D. BLINCOE.

Harness Tug and Attachment.

No. 199,498.

Patented Jan. 22, 1878.



WITNESSES

Robert Everett
D. D. Kane

INVENTOR.

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ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN D. BLINCOE, OF LEWISPORT, KENTUCKY, ASSIGNOR OF TWO-THIRDS OF HIS RIGHT TO HORACE G. SMITH AND GUY D. HOWE.

IMPROVEMENT IN HARNESS TUGS AND ATTACHMENTS.

Specification forming part of Letters Patent No. **199,498**, dated January 22, 1878; application filed June 2, 1877.

To all whom it may concern:

Be it known that I, JOHN D. BLINCOE, of Lewisport, in the county of Hancock and State of Kentucky, have invented a new and useful Improvement in Harness Buckles and Attachments, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, forming a part of this specification.

My invention has relation to improvements in metallic shaft holders or supports, as will be hereinafter more fully set forth, and pointed out in the claim.

The object of my invention is to provide a simple and effective attachment for harness, whereby the parts can be connected together without sewing or riveting the straps.

In the accompanying drawings, the letter A represents a buckle-frame, having a cross-bar, *b*, provided with one or more nibs or tongues, *a*. To one end of this buckle-frame is attached the shaft holder or support B, forming a component part of the buckle-frame. This shaft-support B is composed of the vertical curved plate *k*, having a loop or opening, *e*, at its lower end, and a curved bow, *f*, connected at its lower end to the transverse bar *g'*, forming an opening, *h*, for the vehicle-shaft, as shown in the drawings.

The bar *g'* is provided with an anti-friction roller, *d*, which allows the shaft to play back and forth easily with the movement of the horse, and to be easily withdrawn in disengaging the horse from the vehicle.

This shaft-holder for receiving and holding

the thills or shafts of a vehicle is suspended from the billet-strap L by means of the buckle without the intervention of separate buckles or other fastening devices, and can be shortened or lengthened by adjusting the billet.

The loop *e* at the lower end of the shaft-support is to receive the belly-band.

Thus it will be observed that the contiguous parts of the harness are fastened to the metallic portions of this holder without sewing, riveting, or clamping. This is accomplished by passing the strap to be fastened through loops formed in the end of the buckle-frame and over a curved cross-bar, *b*, which latter is provided with a nib, which fits into holes punched at proper places in the strap. The strap, passing through the loop in the buckle and over the curved cross-bar and hooked on said nib, will be held safely in position by the stiffness of the strap when not in use, and, when force is applied, will be closely pressed down on the curved cross-bar and held securely.

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

The metallic shaft-support consisting of the vertical curved bar *k*, curved bar *f*, transverse bar *g'*, and loop *e*, in combination with the buckle, substantially as and for the purposes set forth.

J. D. BLINCOE.

Witnesses:

G. D. HOWE,
M. BULLINGTON.