

W. J. DARR & J. W. BOWMAN.

TUG-BUCKLE.

No. 174,414.

Patented March 7, 1876.

Fig: 1.

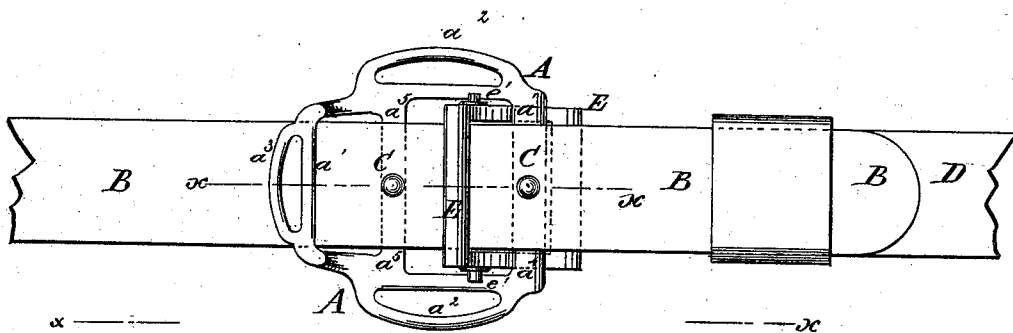
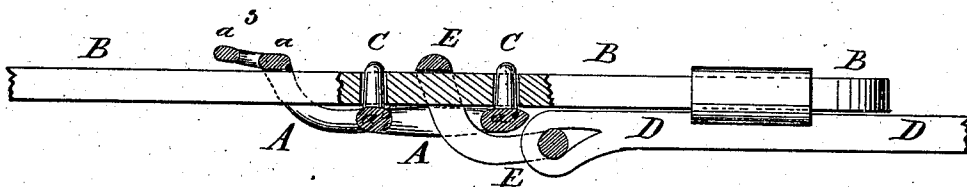


Fig: 2.



WITNESSES:

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Chas. Nida
John Goethals

INVENTOR:

INVENTOR:
D. J. Harr and
J. B. Bowman
BY
Munn
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UNITED STATES PATENT OFFICE.

WILLIAM J. DARR AND JOHN W. BOWMAN, OF LEON, IOWA, ASSIGNORS TO
THEMSELVES AND ALONZO ROBBINS, OF SAME PLACE.

IMPROVEMENT IN TUG-BUCKLES.

Specification forming part of Letters Patent No. 174,414, dated March 7, 1876; application filed
January 7, 1876.

To all whom it may concern:

Be it known that we, WILLIAM J. DARR and JOHN W. BOWMAN, of Leon, Decatur county, Iowa, have invented a new and Improved Tug-Buckle, of which the following is a specification:

Figure 1 is a front view of our improved tug-buckle; and Fig. 2 is a longitudinal section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved tug-buckle, which shall be so constructed as to be less liable to split the tug than when made in the usual way, and which will not injure the tug by compressing it.

The invention consists in a buckle made with two or more tongues, in line with each other and with the length of the buckle, and in the bail made with lugs or shoulders upon the rear parts of its side bars to rest against the side bars of the buckle-frame, as hereinafter fully described.

A represents the frame of the buckle, the rear parts of the side bars of which are bent outward, and then rearward, so that the rear cross-bar *a*¹ may serve as a keeper to keep the tug B in place. The side bars have loops *a*² formed upon them to receive the saddle-strap and the belly-band, and the rear cross-bar *a*¹ has a loop, *a*³, formed upon it to receive the breeching-strap. The front cross-bar *a*⁴ has a rigid tongue, C, formed upon it to pass

through a hole in the tug B. The buckle A is provided with one or more intermediate cross-bars, *a*⁵, formed upon it, upon which are formed rigid tongues C, to pass through holes in the tug B. The holes in the tug B are made at exactly the same distance apart as the tongues C, so that the strain may come equally upon all the tongues.

This construction enables the tug to bear without splitting as many times the strain that would split it with a single-tongue buckle as there are tongues used.

D is the hame-tug, to the rear end of which is attached a bail, E. The side bars of the bail E are bent to pass through the buckle A, in the rear of its front cross-bar, and allow the tug B to pass through it. Upon the rear parts of the side bars of the bail E are formed lugs or shoulders *e*¹, to rest upon the side bars of the buckle A, to prevent the tug B from being compressed injuriously.

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

The combination, in a buckle, of two or more aligned tongues, and a bail provided with lugs, as constructed and arranged to operate substantially as described.

WILLIAM JACKSON DARR.
JOHN WESLEY BOWMAN.

Witnesses:

W. J. SULLIVAN,
A. DILSAVER.