

JOHN H. MORRIS.
Improvement in Buckles.

No. 114,461.

Patented May 2, 1871.

Fig. 1.

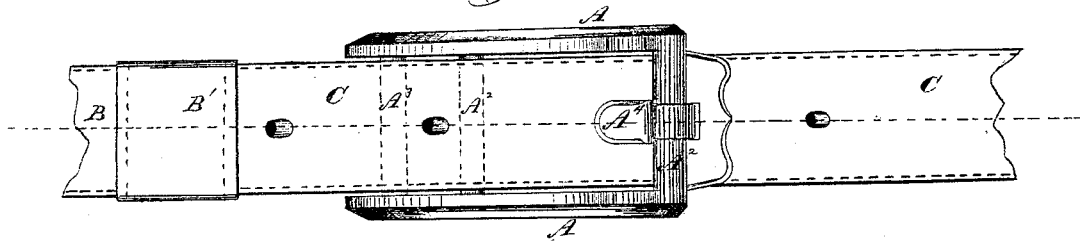
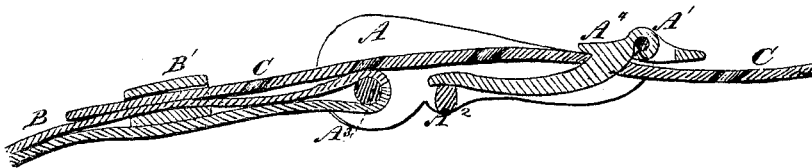


Fig. 2.



Attest
A. Reppert
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JOHN H. MORRIS, OF PAXTON, ILLINOIS.

Letters Patent No. 114,461, dated May 2, 1871.

IMPROVEMENT IN BUCKLES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN H. MORRIS, of Paxton, in the county of Ford, State of Illinois, have invented certain Improvements in Harness-Buckles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawing making part of this specification, in which—

Figure 1 is a plan view of my improved buckle and a portion of a tug or strap of leather as they appear when united.

Figure 2 is a transverse section on line *xx* of fig. 1, showing the construction of the buckle and the arrangement of the tug or strap with reference to it.

Corresponding letters refer to corresponding parts in both figures.

This invention, relating to buckles, consists in constructing the tongue with a lip or shoulder near its base to bear upon the strap and prevent its rapid wear at the points where it is perforated for the passage of the tongue through it.

A in the drawing refer to the side bars of the frame of the buckle, which are of the curved form shown in fig. 2, in order that the cross-bar to which the tongue is hinged or pivoted may be made in a different horizontal or vertical plane, according to the position of the buckle, from that of the bar *A*², upon which the outer end of the tongue rests, in order that the strain upon the tug or strap may tend to prevent it from being removed from such tongue, and, at the same time, cause the strain to be distributed between the end bar *A*¹ of the buckle and the bar *A*², upon which the outer end of the tongue rests.

The rear end bar *A*¹, which unites the side bars *A* at the rear end, is provided with a pad, as shown, in order that an increased amount of surface may be presented to the tug or strap where it is forced into contact with said bar, and thus prevent its being unduly worn at that point.

The cross-bar *A*² extends from one side of the frame to the other, and is securely fixed to or in each, it being arranged with reference to the bar which carries the tongue, as above described.

The bar *A*³, which serves as a means for attaching the draw-strap to the buckle, is arranged in front of the bar *A*¹, as shown in fig. 2, and is secured to the side bars of the buckle, as above described.

*A*⁴ refers to the tongue of the buckle, its form being clearly shown in fig. 2, where it will be seen that it is provided with a shoulder or shoulders, against which the tug bears as the labor of drawing the vehicle is thrown upon it.

This shoulder is regarded as of great advantage, as it prevents the wearing away of the leather at the point where the tongue passes through such tug or strap. This tongue is made tapering from the shoulder above alluded to its point, to prevent it from sticking in the hole formed for its reception in the tug or strap, and to facilitate its removal therefrom.

B refers to a strap of leather which passes from the buckle to the collar, or to any other part of the harness, it being attached to said buckle by being passed around the cross-bar *A*³ and having its parts stitched to each other.

This strap is provided with a loop, *B*¹, as shown in fig. 2.

C refers to a strap which represents a tug of a harness, it being provided with holes through which the tongue of the buckle passes, as shown in fig. 2.

When it is desirable to change the length of this tug it is drawn forward off from the tongue of the buckle and the tongue is inserted into another hole; and the same operation is performed when it becomes necessary to lengthen it.

In consequence of the peculiar construction of this buckle the shortening and lengthening of the tug may at any time be performed without removing the outer or forward end of said tug from the loop on strap *B*, it being only necessary to curve outward the tug between the point where the tongue passes through it and the loop and then draw said tug forward, when it will be drawn from the buckle-tongue.

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

The shouldered tongue *A*⁴ of a buckle, constructed substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN H. MORRIS.

Witnesses:

WM. H. H. WOODS,
WILLIAM INKS.