

C. S. Cissna,

Buckle.

N^o 54,504.

Patented May 8, 1866.

Fig 1.

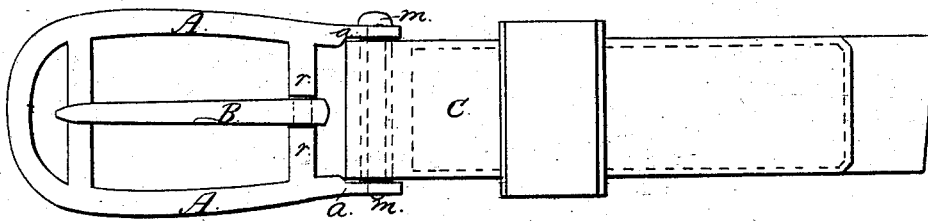
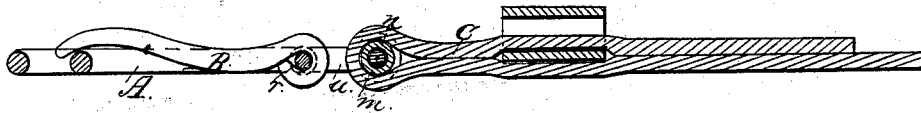


Fig 2.



Witnesses:
J. W. Coombs
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UNITED STATES PATENT OFFICE.

CHARLES S. CISSNA, OF BURLINGTON, IOWA.

IMPROVED BUCKLE.

Specification forming part of Letters Patent No. 54,504, dated May 8, 1866.

To all whom it may concern:

Be it known that I, CHARLES S. CISSNA, of Burlington, in the county of Des Moines and State of Iowa, have invented a new and useful Improvement in Buckles; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a plan or top view of the buckle attached to the trace-strap. Fig. 2 is a longitudinal section of the same.

Similar letters of reference indicate similar parts in both figures.

This invention is designed more especially to be employed as a trace-buckle for harness, but may also be applied to any of the purposes for which buckles are ordinarily used. Its object is to produce a buckle that may be applied to the trace or other strap, which can be more easily replaced when broken than those heretofore in use.

The invention consists in the employment of an extra cross-piece formed upon the rearmost end of the frame, in rear of that to which the tongue is pivoted, by which extra cross-piece the buckle is attached to the strap, instead of by the cross-piece which forms the pivot of the tongue, as in the ordinary manner, the said extra cross-piece consisting of a removable bolt or screw passing from one side to the other thereof.

To enable those skilled in the art to understand the construction and operation of my invention, I will proceed to describe it with reference to the drawings.

A represents the frame of the buckle, which

has at a short distance from its rearmost end a transverse bar or cross-piece, *r*, to which the tongue B is pivoted in the usual manner. The sides of the frame A extend back in rear of this cross-piece *r*, forming two arms, *a*. At the rearmost ends of these arms *a*, and extending across from one end to the other, is a bolt or screw, *m*, which may be surrounded by a cylindrical sleeve, *n*, as shown in Fig. 2. The end of the trace or other strap is folded around this bolt *m*, as shown in the said figure, and inasmuch as the rear end of the tongue is not in contact with the strap its movements are not impeded by pressure or friction against the same, and consequently it moves more freely upon its pivot, and can be more easily operated in buckling or unbuckling than when attached to the same cross-piece as the strap, and the removal and replacing of a broken buckle are easily effected, without ripping or cutting the sewing of the strap, by simply unscrewing and withdrawing the bolt *m* and substituting a new buckle.

I do not claim a removable bolt for attaching the strap to the buckle, when combined with a cross-bar or bail pivoted on said bolt, as in the Patent No. 49,580; but

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

The removable bolt *m*, parallel with and in rear of the fixed cross-piece *r*, to which the tongue B is pivoted, all being combined and arranged substantially as shown and described.

C. S. CISSNA.

Witnesses:

JOHN CISSNA,
JOSEPH W. HUGEL.