

W. Welsh,

Trace Buckle.

N<sup>o</sup> 60302.

Patented Dec 4, 1866.

Fig. 1.

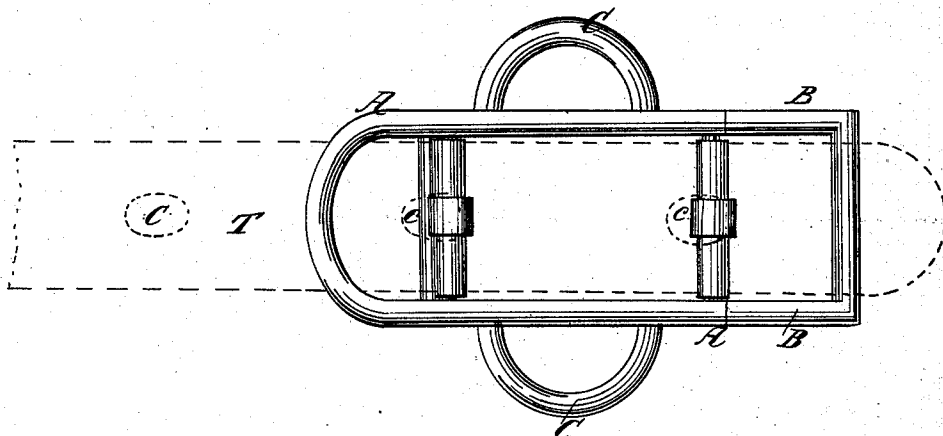


Fig. 2.

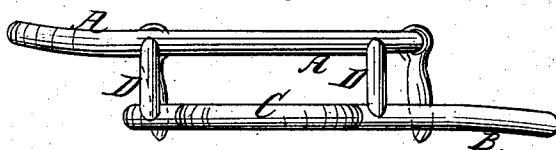
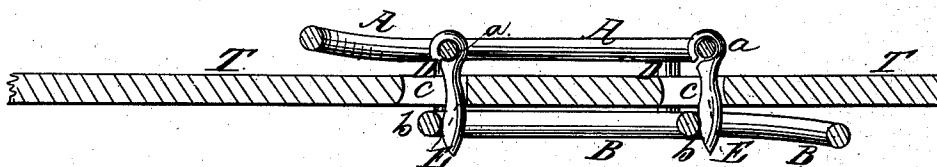


Fig. 3.



Witnesses:

J. S. Coburn  
J. W. Heath

Inventor:

William Welsh  
by Coburn & Heath  
Atty's

# United States Patent Office.

## IMPROVEMENT IN BUCKLES.

WILLIAM WELSH, OF McHENRY, ILLINOIS, ASSIGNOR TO HIMSELF AND  
ORA C. COLBY, OF SAME PLACE.

*Letters Patent No. 60,302, dated December 4, 1866.*

### SPECIFICATION.

#### TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM WELSH, of McHenry, in the county of McHenry, and State of Illinois, have invented a new and useful Improvement in Trace Buckles; and I do hereby declare and make known that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and the letters and figures marked thereon, which form part of this specification.

My said invention consists in a buckle to be used as a trace-buckle upon harness, and for other suitable purposes, of novel construction and arrangement, whereby the trace may be readily and quickly adjusted, either by lengthening or shortening the same, as hereinafter more fully described, which at the same time secure the trace firmly and securely in position, so as not to be liable to accidental detachment.

To enable those skilled in the art to understand how to construct and use my invention, I will proceed to describe the same with particularity, making reference in so doing to the aforesaid drawings, in which—

Figure 1 represents a top view of my invention.

Figure 2 is a side elevation of the same; and

Figure 3 shows a sectional view taken at the line *x* in fig. 1.

Similar letters of reference in the aforesaid drawings denote in different figures the same parts of my invention.

A and B represent two frames of similar construction and substantially the same configuration, arranged as shown with respect to each other, and connected together by the bars D, at a sufficient distance apart to allow the trace to pass freely through between them, as shown. The said frame A is provided with cross-bars marked *a a*, as shown, upon which are arranged the tongues E E, which are long enough to pass through the holes *c*, in the trace T, and rest against the cross-bars, *b b*, of the lower frame, B, as shown, thus effectually securing the trace and preventing its withdrawal from the buckle. To adjust the trace in the buckle it is only necessary to push it forward, when the tongues raise up and the trace passes along until the tongues are withdrawn from the holes *c*, and the trace may be moved along until it is shortened up to the desired length. To lengthen the trace after the tongues have been withdrawn as aforesaid, the trace is drawn back in the buckle, the tongues being held or kept up to permit said movement, until it is of the proper or required length, when, by allowing the tongues to rest upon the trace, they will automatically enter the holes *c c*, which are made oblong to secure this result, or the points of the tongues may be curved inward slightly to facilitate the said operation.

It is obvious that the same principle would be involved, and the same results attained, whether one tongue or more be used and arranged respectively in the manner herein described.

Having described the nature, construction, and operation of my invention, I will now specify what I claim, and desire to secure by Letters Patent.

I claim the combination and arrangement of the buckle frame, A B D, with one or more tongues, E, and corresponding cross-bars, *b*, operating substantially as and for the purposes specified.

WILLIAM WELSH.

Witnesses;

F. K. GRANGER,

E. H. WOOD.