

W. W. Kittleman,

Buckle.

No. 110572.

Patented Dec. 27, 1870.

Fig. 1.

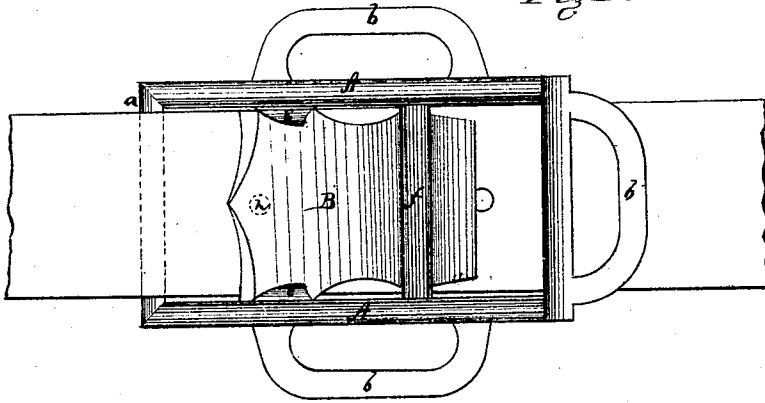


Fig. 2.

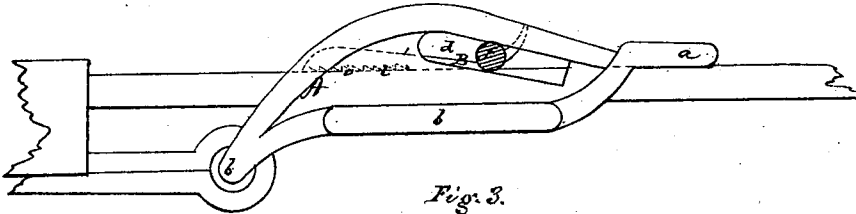
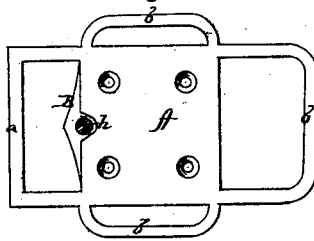


Fig. 3.



Witnesses
J. L. Curt.
J. H. Marr

Inventor
William W. Kittleman
per Alexander Thason
Atty.

United States Patent Office.

WILLIAM W. KITTLEMAN, OF BLOOMFIELD, IOWA.

Letters Patent No. 110,572, dated December 27, 1870.

IMPROVEMENT IN TRACE-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, WILLIAM W. KITTLEMAN, of Bloomfield, in the county of Davis and in the State of Iowa, have invented certain new and useful Improvements in Trace-Buckle; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "trace-buckle," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view, and

Figure 2, a side view of the buckle.

Figure 3 is a bottom view of the same in reduced dimensions.

A represents the body or box of the buckle, provided at its front end with a cross-bar, *a*, for the attachment of the hame-strap, and at the rear end and sides with loops *b b*, for the attachment of the usual straps.

The sides of the box A are provided with inclined slots *d d*; and at the front upper ends of said slots, on the inner sides of the box, are lugs *e e*, which project inward, as shown in fig. 1.

B represents a tongue or wedge, provided with corrugations or teeth *i i* on its under side, as shown in fig. 2.

Near the rear end of the wedge B is cast a cross-bar or rod, *f*, the ends of which project beyond the sides of the wedge, and are inserted in the inclined slots *d d* in the sides of the box A.

Immediately in front of the rods *f*, the sides of the wedge are notched out to allow the passage of the lugs *e e*.

At the front end of the wedge B is a pin, *h*, projecting downward, which pin is inserted in a hole in the trace; and as the trace is drawn backward, the wedge follows, the ends of the rod *f* moving downward in the slots *d d*, and the lugs *e e* pressing the teeth *i i* of the wedge into the trace, securing the same firmly.

Having thus fully described my invention,

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

1. The body or box A, provided with rod *a*, loops *b b*, inclined slots *d d*, and lugs *e e*, all substantially as and for the purposes herein set forth.

2. The wedge B, passing under the lugs *e e*, and provided with rod *f*, pin *h*, and teeth *i i*, substantially as and for the purposes herein set forth.

3. The combination of the body A, having inclined slots *d d* and lugs *e e*, with the wedge B, having rod *f*, teeth *i i*, and pin *h*, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 7th day of June, 1870.

WILLIAM W. KITTLEMAN.

Witnesses:

J. K. WALLER,
S. H. GLENN.