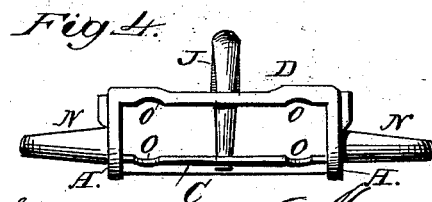
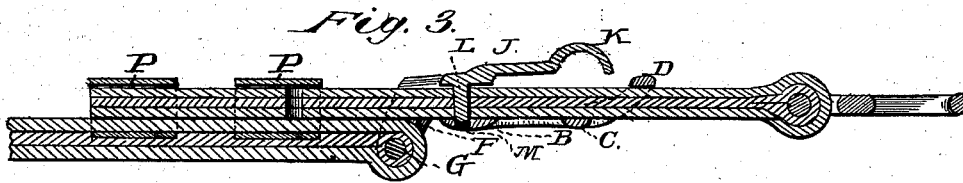
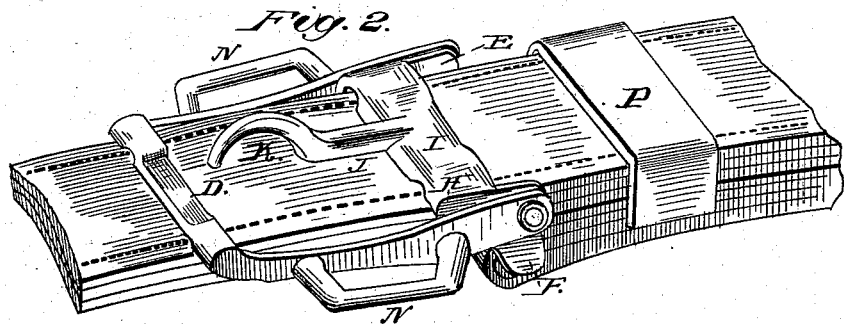
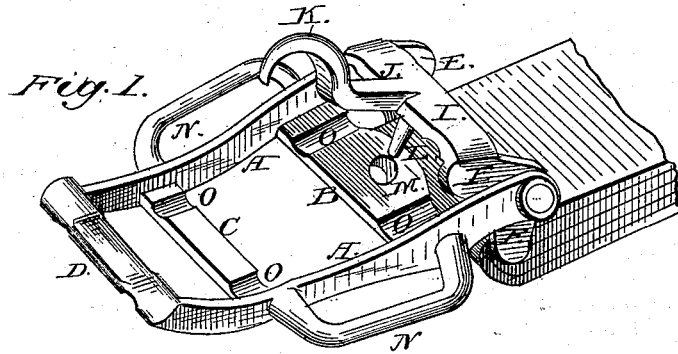


M. ROSS.
Trace-Buckle.

No. 217,488.

Patented July 15, 1879.



Witnesses;
Fred G. Dutcher
J. R. Pittell

Inventor;
Martinus Ross,
By C. A. Snow & Co.
attys.

UNITED STATES PATENT OFFICE.

MARTIANUS ROSS, OF ABILENE, KANSAS.

IMPROVEMENT IN TRACE-BUCKLES.

Specification forming part of Letters Patent No. **217,488**, dated July 15, 1879; application filed June 5, 1879.

To all whom it may concern:

Be it known that I, MARTIANUS ROSS, of Abilene, in the county of Dickinson and State of Kansas, have invented certain new and useful Improvements in Trace-Buckles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view of my improved trace-buckle. Fig. 2 is a view showing the same in operation. Fig. 3 is a longitudinal sectional view, and Fig. 4 is an end view.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to trace-buckles; and it consists in certain improvements in the construction of the same, which will be hereinafter more fully set forth, and particularly pointed out in the claims.

The frame of my improved trace-buckle consists of side pieces, A A, connected by cross-pieces B C, and having their front ends curved outward and connected by a cross-piece, D. Between the rear ends of the side pieces of the frame is pivoted a lever-frame consisting of side pieces, E E, having inwardly and rearwardly projecting ends F F, connected by a cross-piece, G, and forwardly-projecting ends H H, connected by a cross-piece, I. A lever, J, provided with a thumb-piece or handle, K, extends forwardly from the cross-piece I, and a stud, L, extends downwardly from said cross-piece, and through an opening, M, in the cross-piece B.

The side pieces, A A, are provided with loops N N for the attachment of back-strap and belly-band. The innersides of the cross-pieces B C D I are provided with grooves or recesses O O to receive the seams in the trace, which are thereby protected from wear.

From the foregoing description, and by reference to the drawings hereto annexed, the operation of my invention will be readily understood.

The trace having the loops P P is secured upon the cross-piece G of the lever-frame, the front end of which is now lifted to enable the tug to be slid between the cross-pieces D B C and under the cross-piece I into the frame. When properly adjusted the lever is lowered, the stud L passing through a suitable opening in the tug-strap, which is thus secured.

It will be observed that when draft is applied the two frames clamp the strap securely between them, thus adding to the strength of the device, and preventing the stud L from working or wearing an oblong hole in the tug-strap.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The buckle-frame consisting of side pieces, A A, connected by cross-pieces B C, and having outwardly-curved front ends connected by cross-piece D, in combination with the pivoted frame consisting of side pieces, E E, having rear cross-piece, G, and front cross-piece, I, provided with stud L and lever-handle J, when constructed and operating substantially as herein described, for the purpose set forth.

2. As an improvement in trace-buckles, the combination of two frames or clamps pivoted together, and having cross-pieces provided with grooves for the accommodation of the seams in the traces, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

MARTIANUS ROSS.

Witnesses:

E. D. PORTER,
J. M. MASTER.