

J. DENORMANDIE & E. MITCHELL.

TRACE-BUCKLE.

No. 173,273.

Patented Feb. 8, 1876.

Fig 1

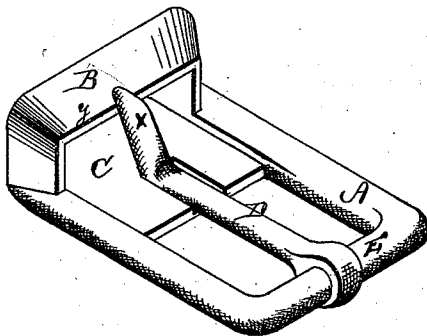
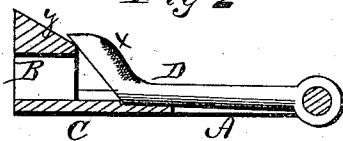


Fig 2



WITNESSES

Franck L. Ourand
C. L. Ewert

By

INVENTOR

Eugene Mitchell
John Denormandie
Alexander Watson
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN DENORMANDIE AND EUGENE MITCHELL, OF BENTLEYSVILLE, PA.

IMPROVEMENT IN TRACE-BUCKLES.

Specification forming part of Letters Patent No. **173,273**, dated February 8, 1876; application filed June 26, 1875.

To all whom it may concern:

Be it known that we, JOHN DENORMANDIE and EUGENE MITCHELL, of Bentleysville, in the county of Washington and in the State of Pennsylvania, have invented certain new and useful Improvements in Trace-Buckles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The object of our invention is to so construct a trace buckle that the trace will be left straight and not bend at the front of the buckle; and to this end the nature of our invention consists in the construction of a trace-buckle with a straight frame, having a loop at one end, and a tongue pivoted at the other end, the outer or free end of the tongue being bent outward at an angle, all as hereinafter more fully set forth.

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

Figure 1 is a perspective view of our trace-buckle, and Fig. 2 is a longitudinal section of the same.

A represents a metal frame, of any suitable dimensions, having a loop, B, formed at its front end, which loop has an inclined top, *y*, and a grooved plate, C, under said loop within the frame. On the rear cross-bar E of the frame A is pivoted a straight tongue, D, the outer or free end *x* of which is bent upward at an angle, as shown.

When the trace is passed through the loop

B, and the bent end *x* of the tongue passed through the hole therein, the end of the trace lies on the outer side of the tongue, the knee or angle of the tongue rests on the grooved plate C, and the end of the tongue bears against the loop.

It will thus be seen that the main part of the tongue D lies flat and parallel with the bars of the frame, with its inclined end *x* bearing against the inclined top of the loop B, thus allowing the point of the tongue to be easily inserted in the trace-openings, and when the trace is in place it will lie flat, without any bend at the front of the buckle. As strain is brought to bear on the tongue, the point thereof will bear close on the inclined loop top, and the main part of the tongue, having a bearing in the plate C, will prevent any disengagement of the tongue from the trace.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination of the frame A, with rear cross-bar E, the grooved plate C, loop B, with inclined top *y*, and the straight tongue D, hinged to the rear cross-bar, which forms part of the frame, and having an angular end, *x*, all substantially as set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 20th day of May, 1875.

JOHN DENORMANDIE.
EUGENE MITCHELL.

Witnesses:

ENOCH B. YOUNG,
JAS. SHANNON MARGEROM.