

N D Fowler

Tug Buckle

No. 122,315.

Patented Jan. 2, 1872.

Fig. 1.

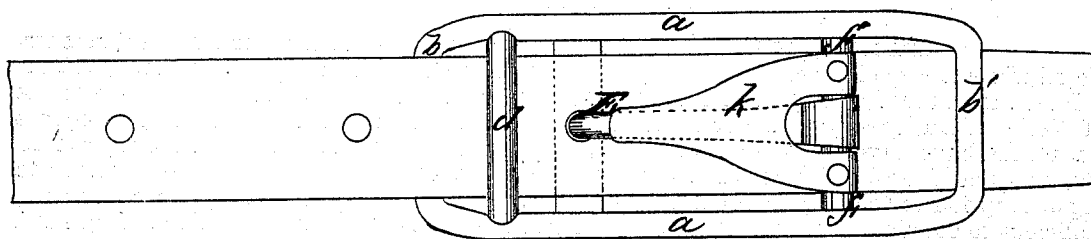
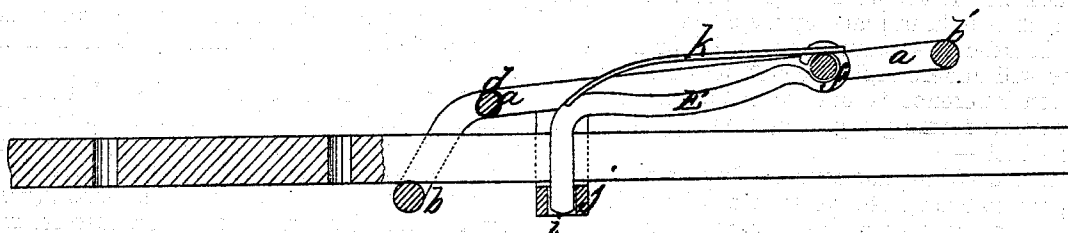


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

NATHANIEL D. FOWLER, OF VALLEY FORD, CALIFORNIA.

IMPROVEMENT IN BUCKLES.

Specification forming part of Letters Patent No. 122,315, dated January 2, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, NATHANIEL D. FOWLER, of Valley Ford, county of Sonoma, State of California, have invented an Improved Tug-Buckle; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

My invention relates to an improvement in that class of buckles for connecting the trace-tug with the hame-tug of a harness, in which the tug passes between two bars without being bent and is held in that position by the tongue of the buckle; and it consists in providing the buckle or frame-work with a peculiar tongue which is held in place by a spring.

In order to explain my invention so that others will understand its construction and operation, reference is had to the accompanying drawing forming a part of this specification, in which—

The buckle-frame consist of two side bars, *a*, which are united at each end by rods *b b'*. One end of each of these bars is turned upward, as shown at Fig. 1, so that the end of the tug *C* can pass between the end rod *b* and cross-rod *d*, which unites the side bars *a a* at the point where they are bent. The tongue *E* is loosely attached to another cross-bar, *f*, which unites the two side bars a short distance from

the opposite end of the frame and extends forward toward the cross-rod *d*, where it is bent upward so as to pass through the hole in the tug and into a hole, *i*, in the flat staple-plate *j*, between which and the frame the tug passes. A flat spring, *k*, has one end also secured to the cross-bar *f*, and extends forward so as to bear against the under side of the tongue and keep it in place.

By this means I provide a buckle of great strength, and one that can be easily released when desired in order to change its position.

The peculiar construction of the tongue permits the strain to come square upon the side of the hole in the tug, so that it will last much longer than when the ordinary tongue is employed. The bar *b'* provides a fastening for the hame-tug, so that the two tugs will be connected to the buckle.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A tug-buckle, consisting of the sides *a*, end rods *b b'*, cross-rods *f d*, flat staple *j*, tongue *E*, and spring *k*, all constructed and arranged substantially as and for the purpose described.

In witness that the above-described invention is claimed by me I have hereunto set my hand and seal.

NATHANIEL D. FOWLER. [L. S.]

Witnesses:

BENJAMIN FOWLER,
WILLIAM WITHROW.

(23)