

Tyler & Tattershall,
Buckle,
Nº 51,367, Patented Dec. 5, 1865.

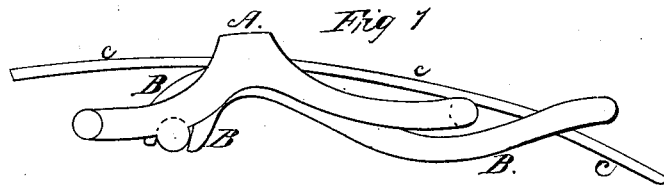


Fig. 3.

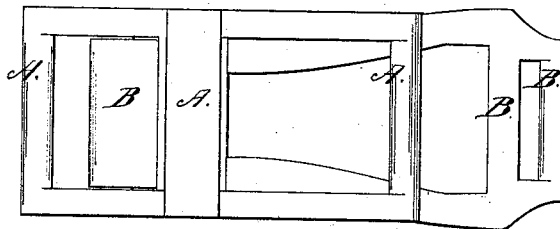


Fig. 4.

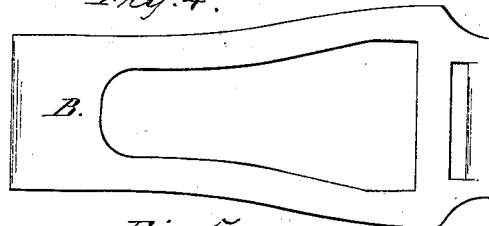
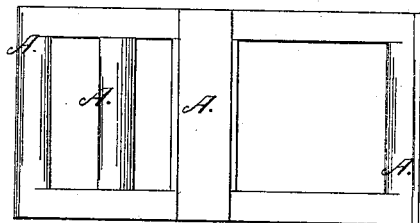


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

SALMON E. TYLER AND RICHARD TATTERSHALL, OF BELOIT, WISCONSIN.

IMPROVED HARNESS-BUCKLE.

Specification forming part of Letters Patent No. **51,367**, dated December 5, 1865.

To all whom it may concern:

Be it known that we, SALMON E. TYLER and RICHARD TATTERSHALL, of Beloit, in the county of Rock and State of Wisconsin, have invented a new and Improved Buckle for Harness; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable any person skilled in the art to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and making a part of this specification, in which—

Figure 1 represents a longitudinal section of our invention. Fig. 2 is a side view of the lever B detached. Fig. 3 is a top perspective view of the buckle complete with the strap or trace. Fig. 4 is a similar view of the lever B detached; and Fig. 5 is a similar view of the buckle-frame A detached.

Similar letters of reference indicate like parts.

This invention relates to a new and improved buckle for harness-tugs or other straps, wherein the use of a tongue is dispensed with, and consequently the perforating the strap or trace.

The invention consists in the employment or use of a lever fitted in the frame of the buckle, arranged in such a manner that the trace or other strap will be securely attached to the tug, and the former at the same time be readily taken up or let out, as may be required.

A represents the frame of the buckle, provided with a cross-bar, on which the slotted end of the lever B hinges, the lips of the slot being closed on the said bar so as to work loosely. The tug-strap, which is connected with the hame of the collar, is attached to the front end of the frame A. The lever B is provided with a loop at its rear end to receive the breeching-strap. The rear end of the frame A has a loop or bar, over which the trace or strap *c c c* runs, and under the said loop at the rear end of the said lever B. The said buckle-frame A has a flat cross-bar at the front or top, as shown at *a*, Fig. 1. By passing the trace or strap under

and through the open loop in the lever B, over the rear end of the bar or loop of the frame A, and under the said flat cross-bar of the frame A and over the fulcrum of the lever B, by pulling on the trace it will be clearly understood that the trace must be firmly clamped and securely held, and the greater the strain by direct draft the more firmly it will be held.

Thus by this arrangement we obtain a simple, economical, and durable buckle without the use of a tongue.

We are aware that tug-buckles have been previously constructed with levers and clamps; but as far as we are aware the parts have been arranged differently from ours, and in consequence of being defective in adaptation, inconvenient to use, liable to let the trace slip or give way, have not been generally adopted.

We do not claim, broadly, the buckle frame A with the round bar on which the slotted end of the lever B is attached, or the flat cross-bar under which the tug *c c c* is clamped, separately and independently of the construction and arrangement as set forth; but

We do claim as new and desire to secure by Letters Patent—

The lever B, attached to the said round cross-bar in the buckle-frame A, as shown at Fig. 1, clamping the tug or strap under the said flat cross-bar in the said frame A, arranged so as to work inside the buckle-frame, extending the whole length of the said frame and beyond the rear end thereof, provided with the bar or loop under which the tug or strap is passed, and attaching the breeching-strap to the said loop in the rear end of said lever B, when constructed substantially as and for the purpose herein set forth and described.

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RICHARD TATTERSHALL.

Witnesses:

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