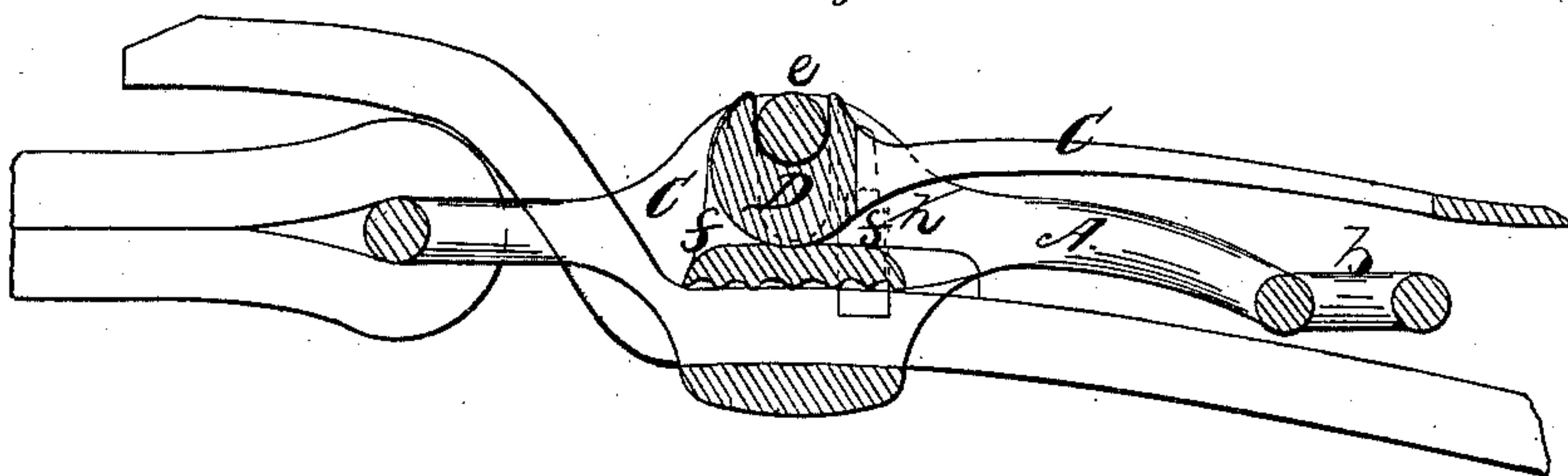
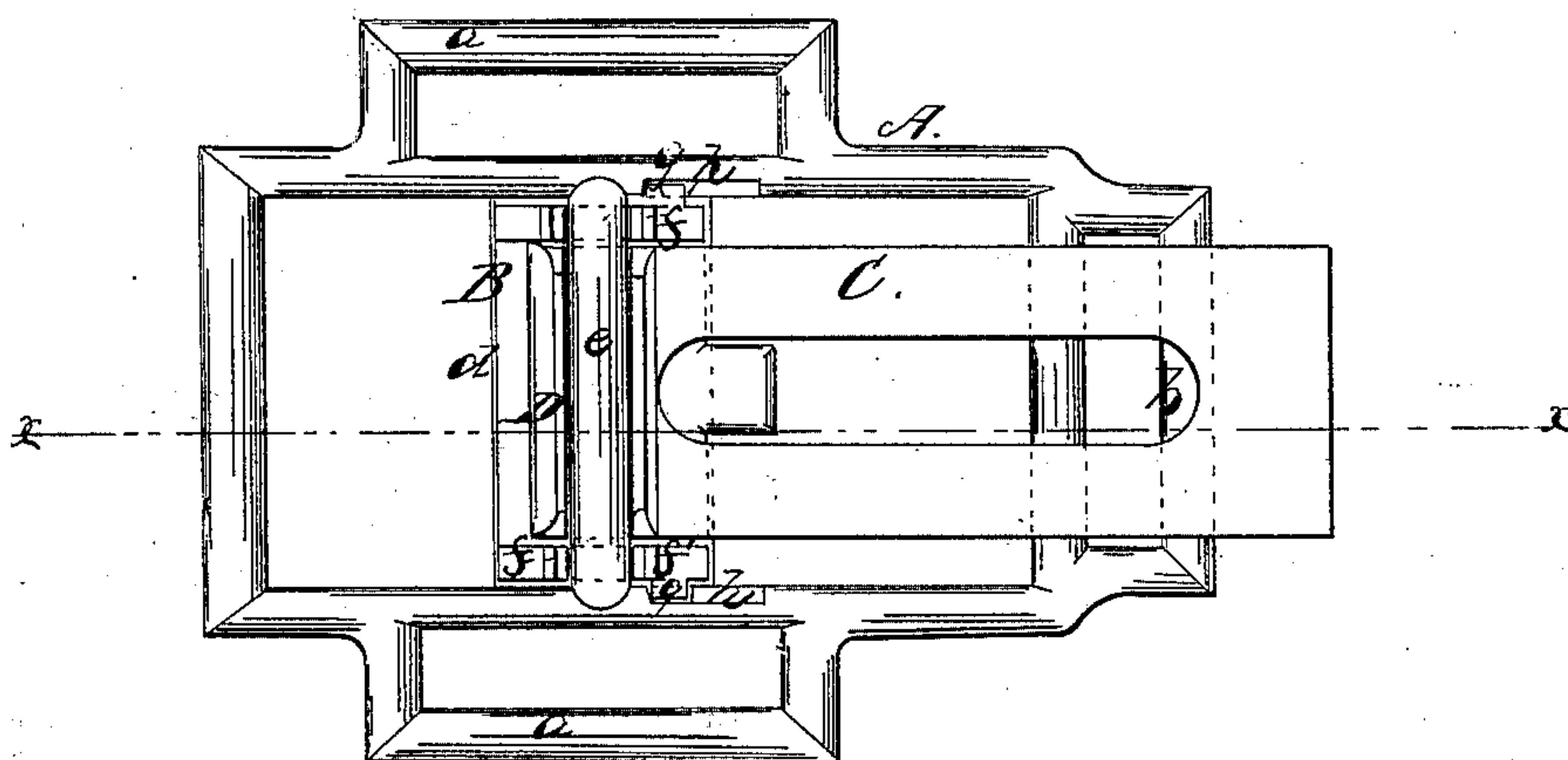


*R. Tattershall,*  
*Ting Buckle,*  
*No. 44,693, Patented Oct. 11, 1864.*

*Fig. 1*



*Fig. 2.*



*Witnesses*  
*Theo. Tusch*  
*Kenny Morris*

*Inventor:*  
*Richard Tattershall*  
*per Wm. L. Co.*

# UNITED STATES PATENT OFFICE.

RICHARD TATTERSHALL, OF BELOIT, WISCONSIN, ASSIGNOR TO HIMSELF  
AND A. J. BATTIN, OF SAME PLACE.

## BUCKLE FOR HARNESS-TUGS.

Specification forming part of Letters Patent No. 44,693, dated October 11, 1864.

*To all whom it may concern:*

Be it known that I, RICHARD TATTERSHALL, of Beloit, in the county of Rock and State of Wisconsin, have invented a new and Improved Buckle for Harness-Tugs; and I 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, making a part of this specification, in which—

Figure 1 represents a longitudinal section of my invention taken in the line *x x*, Fig. 2; Fig. 2, a side view of the same.

Similar letters of reference indicate like parts.

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

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

A represents the frame of the buckle, provided at its top and bottom with loops *a*, to receive the back-strap and belly-band, and provided at its rear end with a loop, *b*, to receive the breechen-strap. The tug strap, which is connected with the hame of the collar, is attached to the front end of the frame A, and the latter has a plate, *c*, at its upper and lower side, the ends of which are connected by a plate, *d*. These plates *c c d* are cast with the frame A, all in one piece, the plates *c c* extending backward from the frame A. At the front side of the frame A there is a bar, *e*, the latter being directly in front of plate *d*.

B represents a clamp, which is fitted between the plate *d* and bar *e*. This clamp is composed of a plate provided at each end with two arms, *f f'*, between which is the bar *e*. The arms *f'* are provided each with a lip, *g*, at

its outer side, and these lips are fitted in recesses or grooves *h* in the inner sides of the plates *c*, said lips serving as guides for the clamp. The surface of the clamp, which is opposite to or faces the plate *d*, is corrugated or fluted, as shown in Fig. 1.

C represents a lever-plate, one end of which is provided with an eccentric projection, D, which has a groove or slot, *i*, made longitudinally in it to receive the bar *e*. This eccentric projection D works against the clamp B, and when the lever-plate C is shoved inward against the loop *b* presses the clamp firmly against the trace (shown in red in Fig. 1) and firmly holds the trace, the latter being released at any time by drawing out the lever-plate C.

Thus by this arrangement it will be seen that I obtain a simple, economical, and durable tug-buckle without the use of a tongue.

In consequence of having the eccentric D extend the whole length of the clamp B and bear against the same the parts are rendered very strong and firm. There will be no bending either of the clamp or eccentric.

I am aware that tug-buckles have been previously constructed with eccentrics and clamps; but so far as I am aware the parts have been arranged differently from mine, and in consequence of being liable to bend or give way have not been generally adopted.

I do not claim, broadly, any of the parts herein described separately and independently of the construction and arrangement as set forth; but

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

The frame A, provided or cast with the plates *c c d*, in combination with the clamp B, fitted in the frame A, as shown, and the lever-plate C, provided with the eccentric projection D, fitted to the bar *e*, substantially as and for the purpose herein set forth.

RICHARD TATTERSHALL.

Witnesses:

D. W. C. CASTLE,  
THOS. HOLLAND.