

T. S. RICHARDS.
Buckles.

No. 221,863.

Patented Nov. 18, 1879.

Fig: 1.

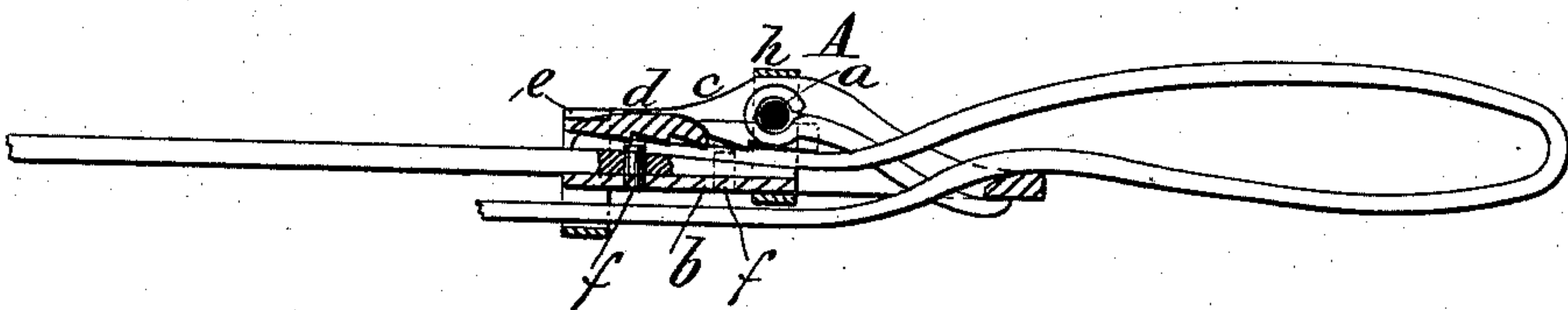
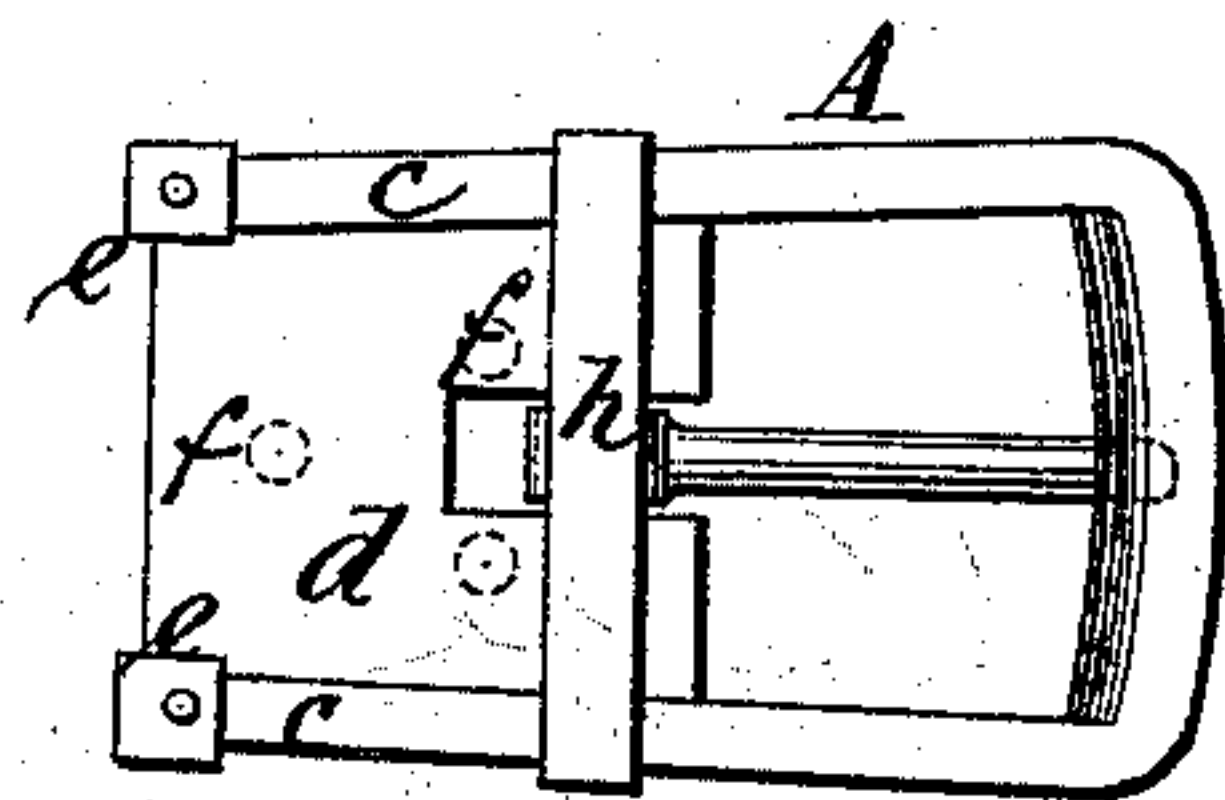


Fig: 2.



WITNESSES:

Achilles Sehehl.
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INVENTOR:

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

TRUMAN S. RICHARDS, OF WOODMAN, WISCONSIN.

IMPROVEMENT IN BUCKLES.

Specification forming part of Letters Patent No. **221,863**, dated November 18, 1879; application filed April 15, 1879.

To all whom it may concern:

Be it known that I, TRUMAN S. RICHARDS, of Woodman, in the county of Grant and State of Wisconsin, have invented a new and Improved Harness-Buckle, of which the following is a specification.

The object of my invention is to furnish a buckle for use on harness, and for other purposes, to which the strap may be attached readily, without stitching, which will hold firmly, and permit ready disconnection of the strap.

My invention consists in a buckle fitted with a wedge-acting slide or clamp fitted to move lengthwise of the buckle and clamping the strap, and the slide is also formed with serrations that act to hold the strap more securely.

In the accompanying drawings, Figure 1 is a sectional side elevation of the buckle with a strap attached. Fig. 2 is a face view.

Similar letters of reference indicate corresponding parts.

The buckle shown at A is provided with a central cross-bar, *a*, for the tongue, and is formed at the back with a solid web portion, *b*, instead of the usual open loop, and the web is formed with side flanges or shoulders, *c c*. Beneath the web *b* and between the flanges *c c* is fitted a sliding piece or clamp, *d*, which is retained in place by cross-bar *a* and by lugs *e*, which latter may be formed with the flanges *c*.

The clamp *d* fits loosely, and is slotted at the forward end to pass at each side of the buckle-tongue when moved forward to detach the strap. This clamp *d* is wedge-shaped, and formed with a roughened or serrated inner surface to hold the strap more securely; and its upper surface, beneath bar *a*, is also roughened, so as to be caught by the flat side of *a* and held in place.

The web portion *b* is formed with pins or

projections *f* upon the side next to the clamp *d*, which pass into or through the strap when pressure is applied by clamp *d*.

The strap is attached to the buckle by moving clamp *d* forward and inserting the end of the strap between the clamp *d* and web *b*. Then, by pushing the clamp *d* back, the strap is wedged securely.

For forming a loop or billet, the end of the strap may be drawn through the buckle to the desired length, or a separate strap inserted, and then clamped, and the loop caught by the tongue of the buckle, as shown in Fig. 1.

At the center of the buckle is a loop, *h*, for the return-strap to pass through when the buckle is applied to a hame-strap or similar connection.

This buckle is especially adapted for use on all parts of a harness, and is adapted for other uses as well. It is readily connected or removed, and may be secured at any point in the length of the strap, as desired.

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

1. A buckle formed with the web *b* and fitted with the wedge-shaped clamping-slide *d*, that is retained in place by the cross-bar *a* and shoulders or flanges of the web *b*, substantially as and for the purposes set forth.

2. The wedge-clamp *d*, formed with a serrated surface for engagement with the strap, and with serrations for engagement with the cross-bar *a* of the buckle, in combination with the buckle A, having a web portion, *b*, that is formed with pins or projections *f*, substantially as and for the purposes described.

TRUMAN STREETER RICHARDS.

Witnesses:

JAS. A. FARIS,
W. S. TITUS.