No. 613,902. Patented Nov. 8, 1898.

A. A. & T. S. GRACE.

BUCKLE.

(Application filed Oct. 20, 1897.)

(No Model.)

Fig. 1.

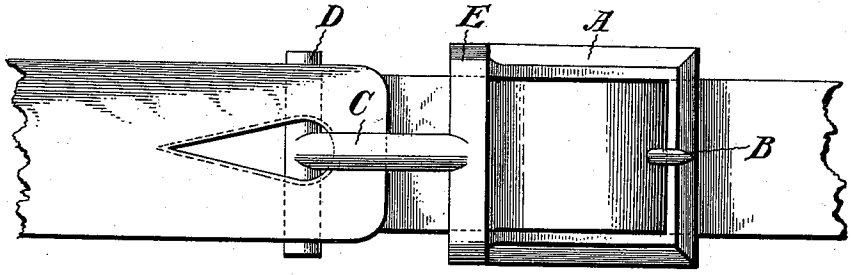


Fig. 2.

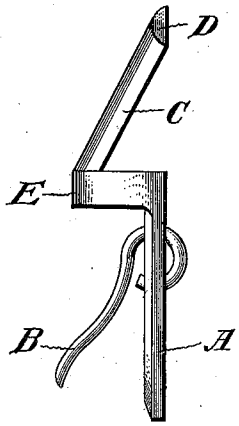
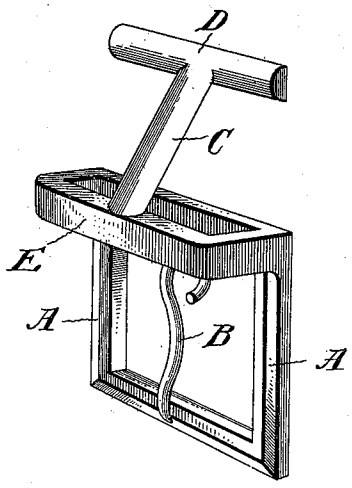


Fig. 3.



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UNITED STATES PATENT OFFICE.

ALFRED AUGUSTUS GRACE, OF NELSON, AND THOMAS SAMUEL GRACE, OF BLENHEIM, NEW ZEALAND.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 613,902, dated November 8, 1898.

Application filed October 20, 1897. Serial No. 655,842. (No model.)

To all whom it may concern:

Be it known that we, ALFRED AUGUSTUS GRACE, gentleman, residing at Nelson, and THOMAS SAMUEL GRACE, clergyman, residing at Blenheim, in the Colony of New Zealand, British subjects, have invented a certain new and useful Improved Buckle-Fastener, of which the following is a specification.

The objects of the invention are to provide improvements in buckles and the modes of fastening buckles to stirrup-leathers, collars, and the like. In the buckles now in use the buckle is permanently fastened to the stirrup-leather, collar, or the like by means of sewing, stitching, or riveting, and the buckle is then ready for use.

Now our invention essentially consists of a buckle and buckle-fastening which render sewing, stitching, or riveting unnecessary. The buckle is also of such a form and shape that it is its own keeper.

We effect our purpose of making a buckle which requires no sewing, stitching, or riveting by an application to buckles and buckle-fastenings of a method or contrivance somewhat similar to the reef-knot method used in tying ropes.

Our buckle may be constructed of any kind of metal or of any other suitable material.

We will now describe our buckle and mode of fastening, and for this purpose we will refer to the annexed drawings, in which—

Figure 1 is a top plan view of one form of our buckle, showing the strap connected thereto. Fig. 2 is a side view, and Fig. 3 is a perspective view.

Our buckle is especially well adapted for use as a buckle for fastening stirrup-leathers and, as illustrated, is constructed of the hollow square, oblong, or semicircle A A, to which is attached the movable piece or tongue B.

C is a pin or retaining-bar which is fixed to the piece D, so that the two form a T-bar.

E, Figs. 2 and 3, is a hollow oblong or loop raised on the same side of the square, oblong, or semicircle A A as that to which the movable piece or buckle-tongue B is attached, and the retaining-bar C is joined to the side of this oblong or loop opposite to the side on which the movable piece or tongue B is attached.

In applying our buckle the piece or connection C is passed through the slit or cut at the end of a stirrup or other strap, and as the leather is then held against the bar D the buckle is by that means fastened to the strap. The other end of the strap is then put through the square, oblong, or semicircle A A in the ordinary way.

The hollow oblong or loop E forms the slot or keeper for the leather, and therefore our buckle requires no auxiliary or additional keepers of leather.

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

1. A buckle consisting of a buckle-frame, a tongue pivoted to one of the cross-bars thereof, a loop set off from said cross-bar in a plane at right angles to the buckle-frame, and a retaining bar or piece projecting from the outer cross-bar of said loop into the plane of the buckle-frame, for the purpose set forth.

2. A buckle consisting of a buckle-frame, a tongue pivoted to one of the cross-bars thereof, a loop set off from said cross-bar in a plane at right angles to the buckle-frame, and a T-bar projecting from the outer cross-bar of the loop into the plane of the buckle-frame, substantially as and for the purpose set forth.

In witness whereof we have hereunto set our hands in presence of two witnesses.

ALFRED AUGUSTUS GRACE.
THOMAS SAMUEL GRACE.

In presence of—
PERCY B. ADAMS,
ALFD. THOS. JONES.