

D. A. JOHNSON.
Holder for Leather Straps.

No. 200,918.

Patented March 5, 1878.

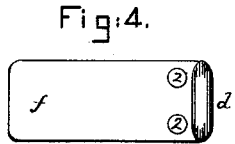
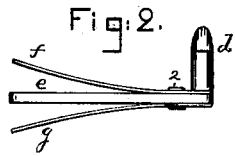
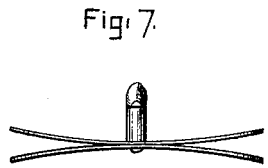
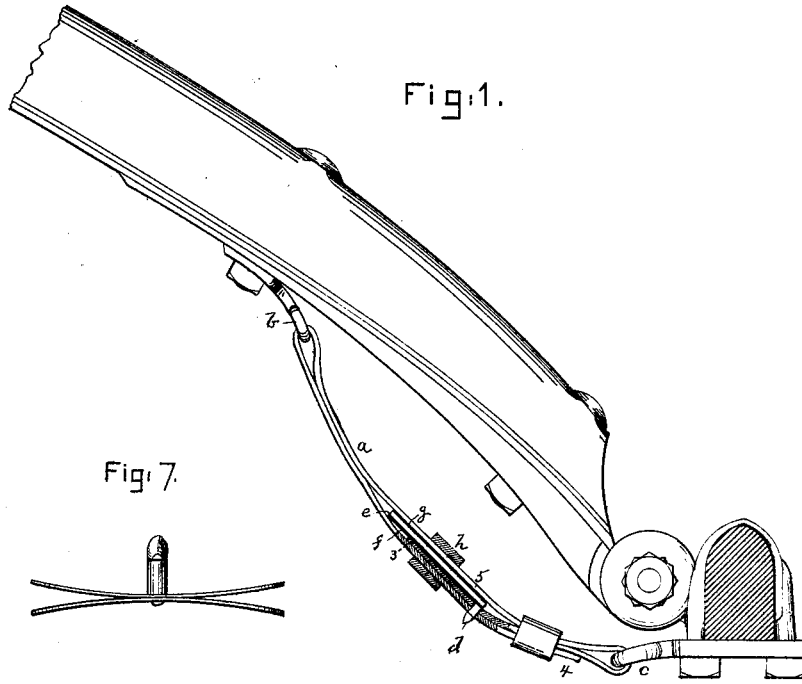


Fig. 3.

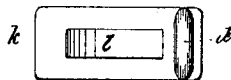
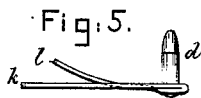
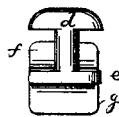
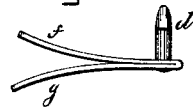


Fig. 6.



WITNESSES:

W. G. Pratt.
L. A. Baxter.

INVENTOR.

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RENEWED

UNITED STATES PATENT OFFICE.

DANIEL A. JOHNSON, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN HOLDERS FOR LEATHER STRAPS.

Specification forming part of Letters Patent No. **200,918**, dated March 5, 1878; application filed February 1, 1878.

To all whom it may concern:

Be it known that I, DANIEL A. JOHNSON, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Holders for Straps, of which the following is a specification:

This invention relates to a strap-holder which is intended as a substitute for a buckle, to hold straps in various places about carriages, harnesses, &c., where buckles are ordinarily employed.

The invention consists in a strap-holder composed of a button or equivalent, combined with a yielding loop-holding arm, to hold the usual leather slide-loop in position about the pieces of leather between which the holder is placed.

Figure 1 shows my invention applied to a shaft-strap, the strap being cut away to show the holder in operative position; Fig. 2, an edge view of the holder removed; Fig. 3, an end view; Fig. 4, a top view; Fig. 5, a side and top view; and Figs. 6 and 7 represent side views of modified forms of holders.

The strap *a*, which connects the shaft-loop *b* with the loop *c* of the axle, when provided with a buckle, as commonly practiced, is quite objectionable, for the buckle soon rattles, and becomes a source of annoyance, and when the buckle is to be opened to change the shafts it is often found set or rusted.

My holder, as shown in Figs. 1 to 4, is composed of a T-shaped button, *d*, rising from a yielding loop-holding arm composed of a bar, *e*, and two springs, *f g*, secured thereto by rivets 2. The two free ends 3 4 of the strap are each provided with a number of longitudinal slits of a length and width sufficient to receive the button *d*, such slits being made a short distance from each other to permit the strap to be taken up or lengthened, as is commonly practiced when a buckle is used. The button *d*, inserted through a slit in each end of the strap, is then turned, so that the yielding arm rests parallel with the strap, and between the ends 3 4 on one side and the main part 5 of the strap on the other side.

In this position the button-head or top of the cross-bar extends across the strap at right angles to the slit through which it was passed, thereby confining the straps in position more securely than would a buckle-tongue.

To keep the yielding arm parallel with the strap, I force along the strap, and about it and the arm, a leather loop, *h*, such loop, as it is forced over the strap and arm toward the button, compressing the springs from the position shown in Fig. 2 to that shown in Fig. 1. This arm, being made yielding, as it is contracted, exerts sufficient pressure outward to insure that the loop *h* always remains in position.

Instead of two springs, it is obvious that I might employ one.

In the modification shown in Fig. 5 a single plate, *k*, is cut, as shown, to form a tongue, *l*, which is curved upward. Fig. 6 shows the shank composed of two curved springs, *f g*, the solid portion *e* (shown in Fig. 2) being omitted.

The holder may be used on the back-strap of a harness, for check-reins, or to hold the loop which receives the shafts, or for pole-straps, &c. This holder will never rattle, and can be applied to straps without sewing.

It is obvious that the yielding arm or loop-holding springs may be extended from the button in opposite directions, to hold in place loops at each side of the button, as shown in Fig. 7.

I claim—

As an improved article of manufacture, a strap-holder composed of a button and a yielding arm extending therefrom, to operate in connection with a slide-loop, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DANIEL A. JOHNSON.

Witnesses:

G. W. GREGORY,
L. A. BAXTER.