

W. H. Cocks,

Buckle.

No. 68846.

Patented Sep. 17. 1867.



Fig 4.



Fig 5.

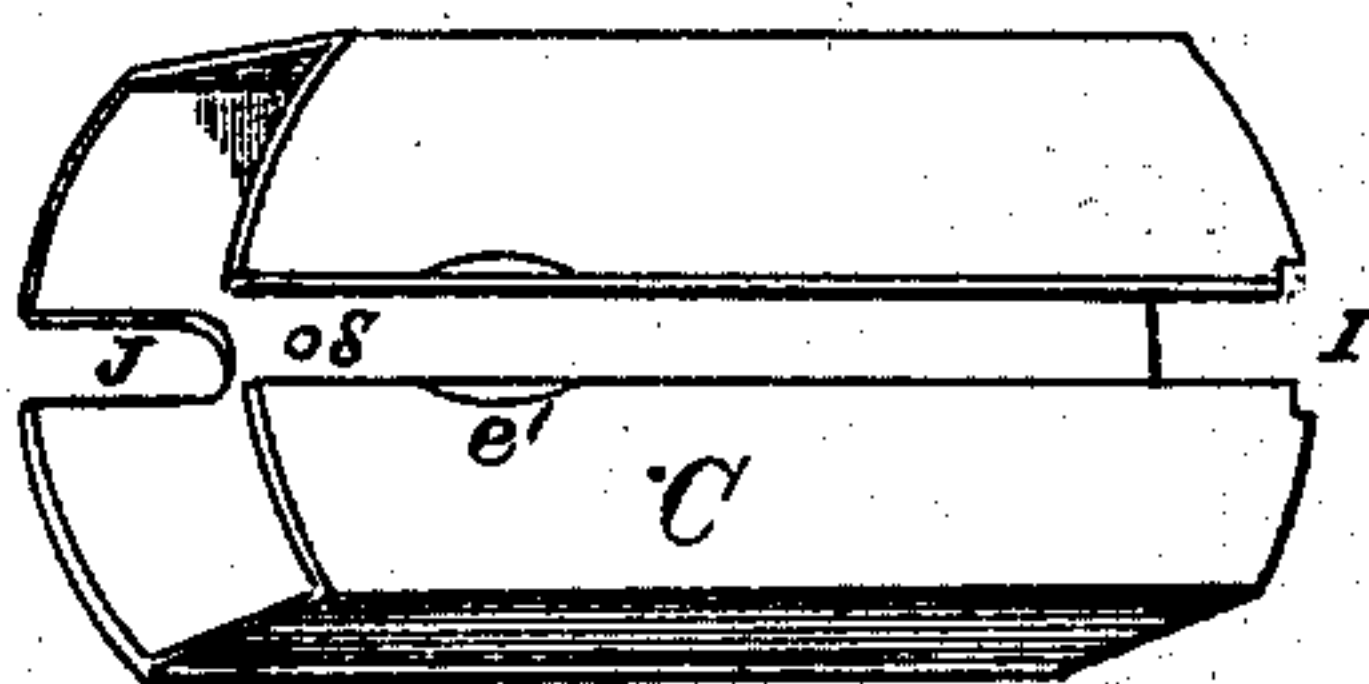


Fig 3.

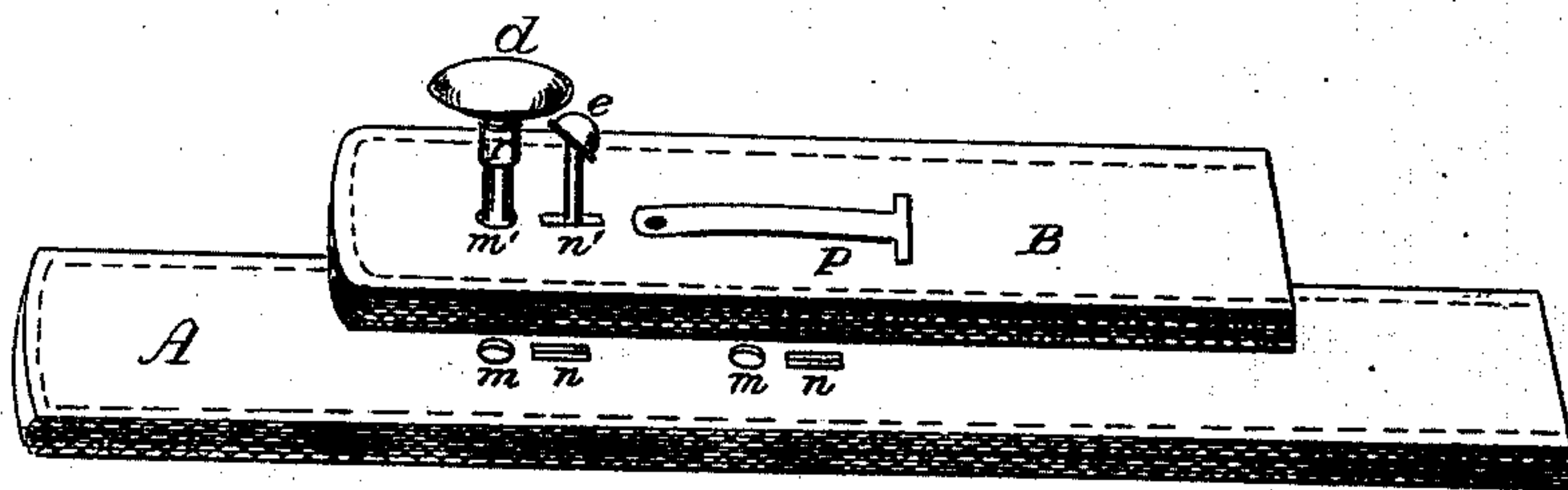


Fig 2.

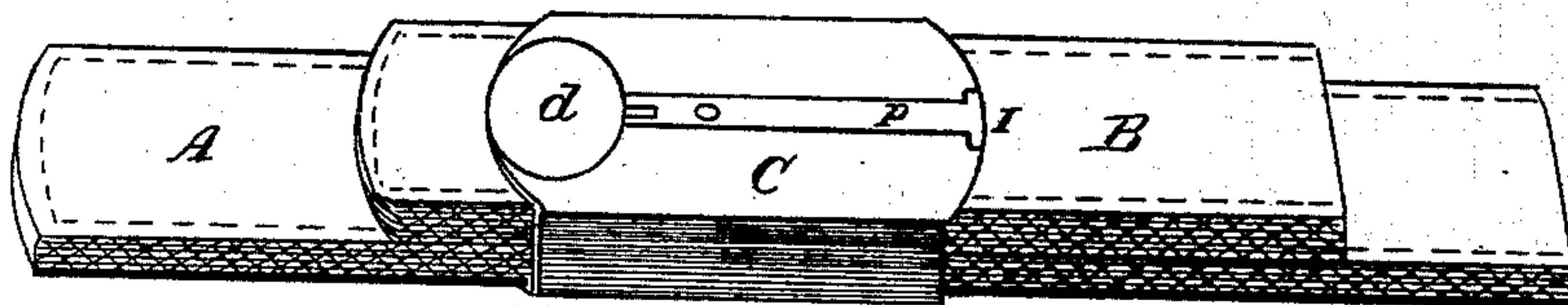


Fig 1.

Witness
Joseph Ridge
& Estell

Inventor
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United States Patent Office.

WILLIAM H. COCKS, OF RICHMOND, INDIANA.

Letters Patent No. 68,846, dated September 17, 1867.

IMPROVEMENT IN HARNESS-BUCKLES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM H. COCKS, of the city of Richmond, county of Wayne, and State of Indiana, have invented a new and useful Improvement in Buckles for Harness, &c.; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2, a view of separate parts, showing the manner of connecting.

Figure 3 represents a metallic loop or slide.

Figures 4 and 5 are pins or bolts.

The same letters in the different figures represent corresponding parts of the invention.

My invention has for its object the production of a buckle, or device in lieu thereof, for harness, &c., by which a greater degree of convenience, beauty, and strength is obtained than with other buckles, this arrangement being susceptible of a highly ornamental finish, and as a trace or tug-buckle, when desired for heavy draught, insures much greater security than the ordinary buckle, besides being very convenient in adjusting.

To enable others skilled in the art to make and use my invention, I will proceed to describe it with reference to the drawings.

A and B represent tugs or other straps to be connected. The strap A is provided with holes *m* and slots *n*, at even distances apart, and at suitable intervals along said strap. The strap B is provided with a hole, *m'*, and slot *n'*, near one end, corresponding to the apertures *m* and *n* in strap A. The metallic loop C slides over the straps, and is held in position by spring P, which latter is riveted at one end to strap B, the other end having right-angular projections that lock into shoulder I in loop C. The bolt or pin *d* is provided with a collar or shoulder, *r*, near its head, over which the longitudinal edges of loop C slide, thus securing pin *d* in its place, as shown in fig. 1. In adjusting the devices, the segmental-headed pin *e* is inserted. When the countersink *e'* is sufficiently over slots *n* and *n'* to admit said pin, and before loop C is quite in position, the head of pin *e* rests in countersink *e'*, and its point terminating through hole *s*, loop C is then moved in the direction of pin *d*, until caught by spring P, and the pin *e* is thus passed under pin *d*, and thereby secured in place; the slots *n* and *n'* in the straps allowing the described change in the position of the pins *d* and *e*. The slot J, in the bottom of loop C, is provided for the accommodation of the end of pin *d* in adjusting the straps. The end of spring P is raised, allowing loop C to slide back when the pins *d* and *e* are raised or removed, the position of the strap changed, and the pins again inserted in another locality in strap A, thus lengthening or shortening the connection as desired.

The design in using two pins is for greater security as a tug-buckle, or where a great amount of strength is required. For greater convenience, when less strength is required, the pin *e*, and consequently the slots *n* and *n'*, may be dispensed with, or the bolt or pin *d* may be riveted fast in hole *m'*, and the hole *m* and slot J dispensed with. A round hole should then take the place of slot *n*, the slot *n'*, in strap B, remaining the same, as shown, which allows strap B to be drawn out sufficient to bring the head of rivet *d* over pin *e* and thus securing the latter in its place. The slot in the top of loop C, for the accommodation of the spring and pins, is not required to extend the entire length of said loop, but if required for strength, may be closed at one or more points centrally, leaving sufficient length of slot at each end for the proper action of the pins and spring.

Having thus fully described my said invention, what I claim and desire to secure by Letters Patent, is—

The loop or slide C, spring P, and one or both of the pins *d* and *e*, in combination with the straps A and B, all arranged and operated substantially as set forth and for the purpose described.

WILLIAM H. COCKS.

Witnesses:

JOSEPH RIDGE,
R. ESTELL.