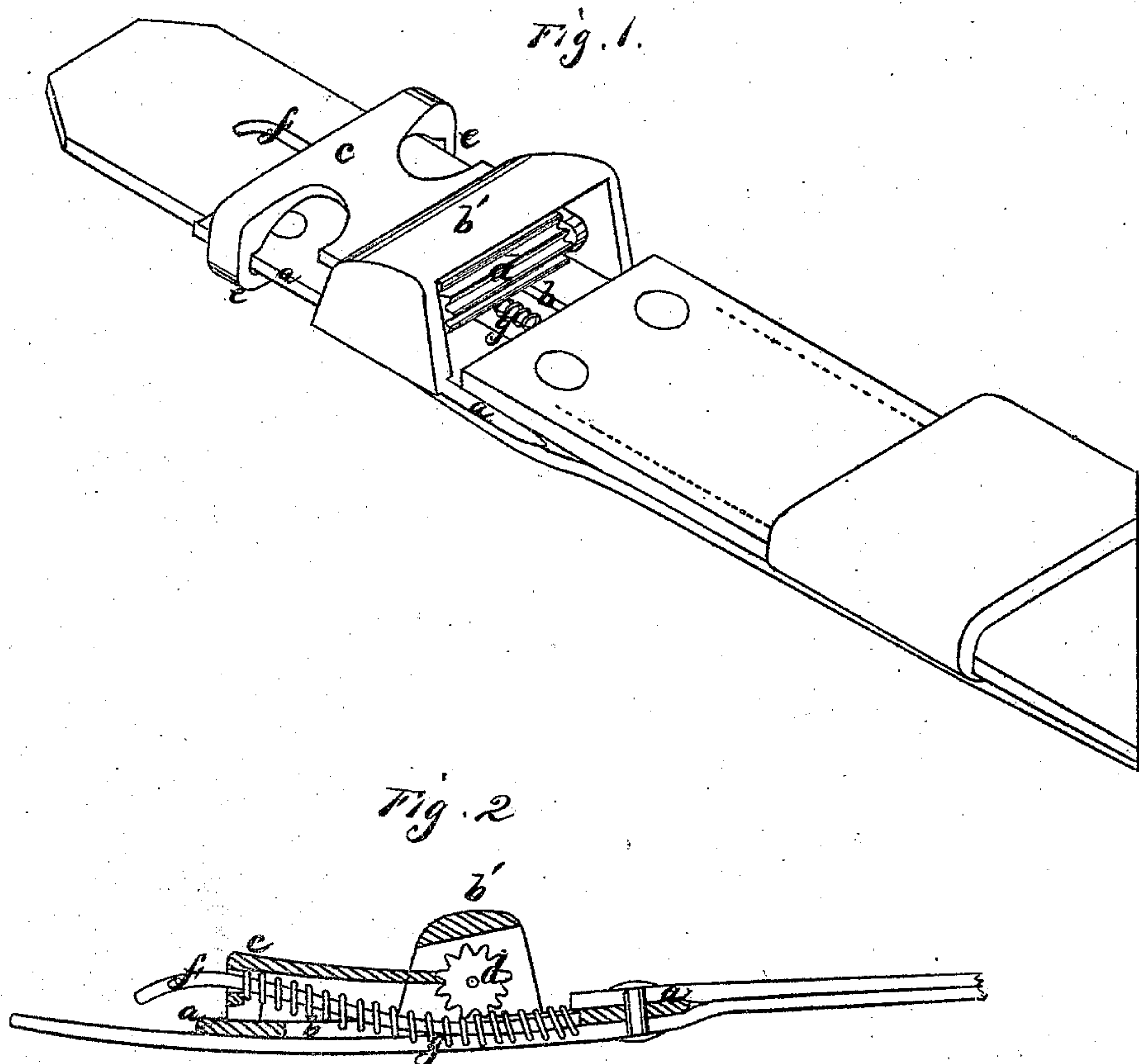


W. C. BUSSEY.

Improvement in Buckles.

No. 130,565.

Patented Aug. 20, 1872.



Witnesses

J. L. Boone

E. M. Richardson

Inventor

William C. Bussey  
per Dewey & Co  
Attys

# UNITED STATES PATENT OFFICE.

WILLIAM C. BUSSEY, OF SAN FRANCISCO, CALIFORNIA.

## IMPROVEMENT IN BUCKLES.

Specification forming part of Letters Patent No. 130,565, dated August 20, 1872.

### SPECIFICATION.

*To all whom it may concern:*

Be it known that I, WILLIAM C. BUSSEY, of San Francisco, San Francisco county, State of California, have invented an Improved Buckle; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention and improvement without further invention or experiment.

The object of my invention is to provide a simple, cheap, and convenient buckle which can be used in all places where an ordinary buckle is employed; but will be especially useful as a harness-buckle.

In order to more fully illustrate and explain my invention, reference is had to the accompanying drawing forming a part of this specification, in which Figure 1 is a perspective view. Fig. 2 is a longitudinal section.

The buckle-frame consists of a metal plate, *a*, one or both ends of which is riveted or otherwise secured to the strap. A slot, *b*, is made lengthwise through the center of the plate, as shown, for the purpose hereinafter mentioned. The yoke or bridge *b'* is secured at the proper distance above the plate *a* in the usual manner. The under side of this bridge is slightly beveled toward the rear end of the buckle, as shown. Another plate, *c*, has its forward corners extended in front of the plate, as shown, so as to form bearings for the journals of a corrugated roller, *d*, which is placed between them, so as to be carried in front of the plate *c*. The rear corners of the plate *c* are extended sidewise, and are turned down so as to form clasps *e*, which embrace the side of the plate *a* when the buckle is put together. A rod, *f*, is secured to the forward end of the plate *a*, and extends back through the slot *b*, around which a spiral spring, *g*, is placed. The

plate *c* is then placed upon the plate *a*, so that the roller *d* will be below the bridge *b*, and the rod *f* is passed through the downward-turned rear portion of the plate *c*, so that the tension of the spring *g* will keep the roller drawn back against the inclined under side of the bridge. When it is desired to insert the free end of the strap the plate *c* is drawn forward by grasping the downward-turned clasps *e* upon each side with the hand, and drawing forward so as to compress the spring *g*. This carries the roller *d* forward, so that the end of the strap will slip through between the roller and inclined under surface of the bridge; then by letting go of the clasps the spring will retract the plate *c* and roller, so as to bind the strap between the roller and inclined surface. By this arrangement I secure the free end of the strap without the necessity of making holes for a tongue, and thereby weakening it.

The device is simple and cheap and easily manipulated. The strap can be taken up or shortened by simply pulling upon the free end, when it will move readily between the roller and bridge; but the instant the forward pull is discontinued the roller holds and binds it.

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

1. The plate *a*, with its bridge *b'*, the under side of which is inclined, in combination with the roller *d*, plate *c*, and spring *g*, substantially as and for the purpose above described.

2. I also claim the combination of the roller *d* and plate *c* with the rod *f* and spring *g*, substantially as and for the purpose set forth.

In witness whereof I hereunto set my hand and seal.

WILLIAM C. BUSSEY. [L. s.]

Witnesses:

J. L. BOONE,

C. M. RICHARDSON.