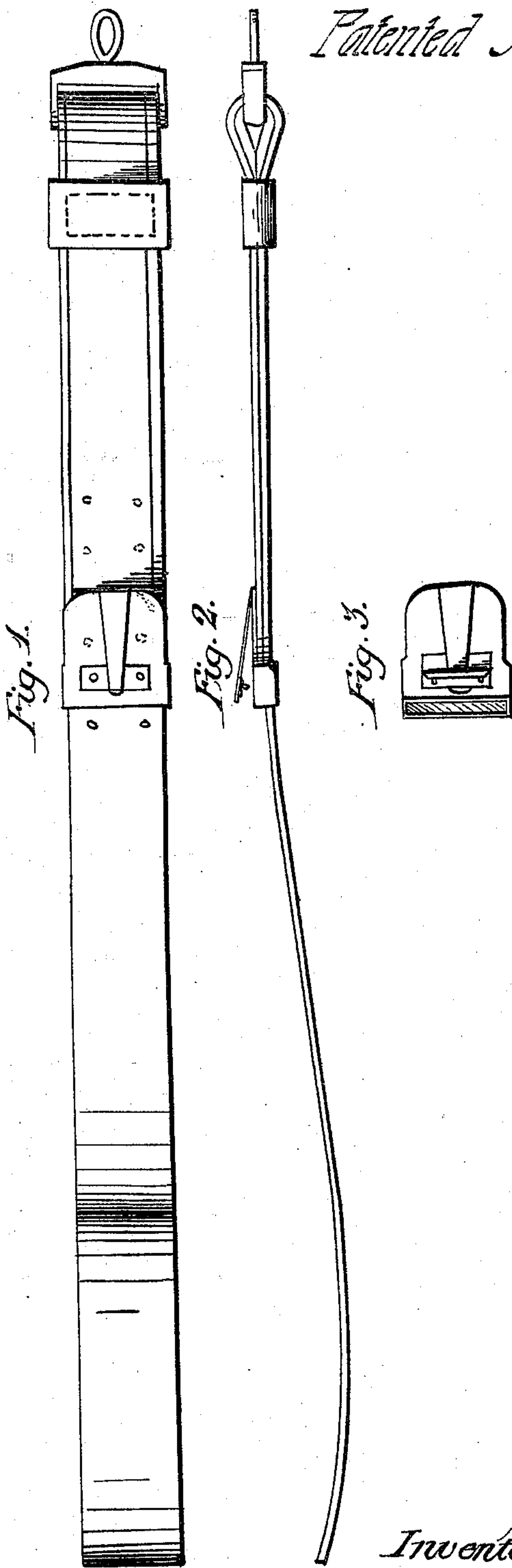


G. W. Roland,

Buckle.

No. 90,026.

Patented May 11, 1869.



Witnesses:

J. R. Moore
Geo. Anderson

Inventor:

George W. Roland

United States Patent Office.

GEORGE W. ROLAND, OF SALEM, OREGON.

Letters Patent No. 90,026, dated May 11, 1869.

IMPROVED BUCKLE.

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, GEORGE W. ROLAND, of Salem, in the county of Marion, and State of Oregon, have invented a new and improved Buckle, or clasp to serve as a buckle, for securing the parts of a harness, and is more particularly designed to be used in connection with a trace-loop, for which Letters Patent were granted me; and I hereby declare the following to be a full and clear description of the same, sufficient to enable one skilled in the art to which it most nearly appertains, to make and use the same, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure 1 represents a view of trace with clasp attached.

Figure 2, a trace with clasp loosened.

Figure 3 represents a view of the clasp detached.

The loop to which I have referred is made of metal, and attached to the pad-strap, taking the place of the large buckle, which in ordinary use is attached to the pad-strap and belly-band, and through which the tug is buckled.

By this, my previous invention, the tug was fastened to this loop permanently, instead of passing through and being confined with a buckle-tongue. This of course necessitates some device, or arrangement by which the trace might be lengthened or shortened at or near the toggle-end.

The nature of my invention consists in a device for taking up or letting out straps, bands, traces, or anything confined by a buckle, in a safer and more convenient way than with the ordinary buckle.

The clasp is made of iron, brass, or any suitable metal, in the form of a rectangular frame, the width being just enough to admit the passage of the tug, or strap to be secured, and the length only sufficient to give play to the spring, which will hereinafter be described.

The front end-piece is a flat plate, connecting the sides at right angles to their planes, and is outside

the strap, and not next to the horse, in a trace, breeching, or back-strap.

At the other, or rear end of the clasp, is secured the end of the trace or strap, after having passed through the clasp, around the bolt of the cock-eye, or whatever else it may be fast to, and doubled back to the end of the clasp.

On this rear end-piece of the clasp is fastened a flat metal spring, of suitable size and stiffness, extending forward to nearly the other end of the clasp.

On the end of this spring is a cross-piece, having, on its under side, one or two points, or tongues, which strike out into holes made in the trace or strap to receive them. These tongues are kept in position by the spring.

When it is desired to "take up" or "let out" the trace or strap, this cross-piece, with the tongues, is raised sufficiently to allow the trace or strap to be drawn along, the clasp sliding up or down, and the trace or strap "rendering" around the bolt of the cock-eye, or whatever it may be attached to.

The advantages which my device presents over the buckle ordinarily used, are that it is handier, and no more expensive, but, specially, that it is much safer, inasmuch as, by the construction of the clasp and the doubling of the trace or strap, only one-half the strain is brought upon the tongues, or points confining the trace or strap, and consequently there is less liability of breakage.

Having thus fully described my invention,

What I claim, and desire to secure by Letters Patent, is—

As a new article of manufacture, the clasp for securing harness or other straps, constructed substantially as specified and described.

GEORGE W. ROLAND.

Witnesses:

J. R. MOORES,

GEO. ANDERSON.