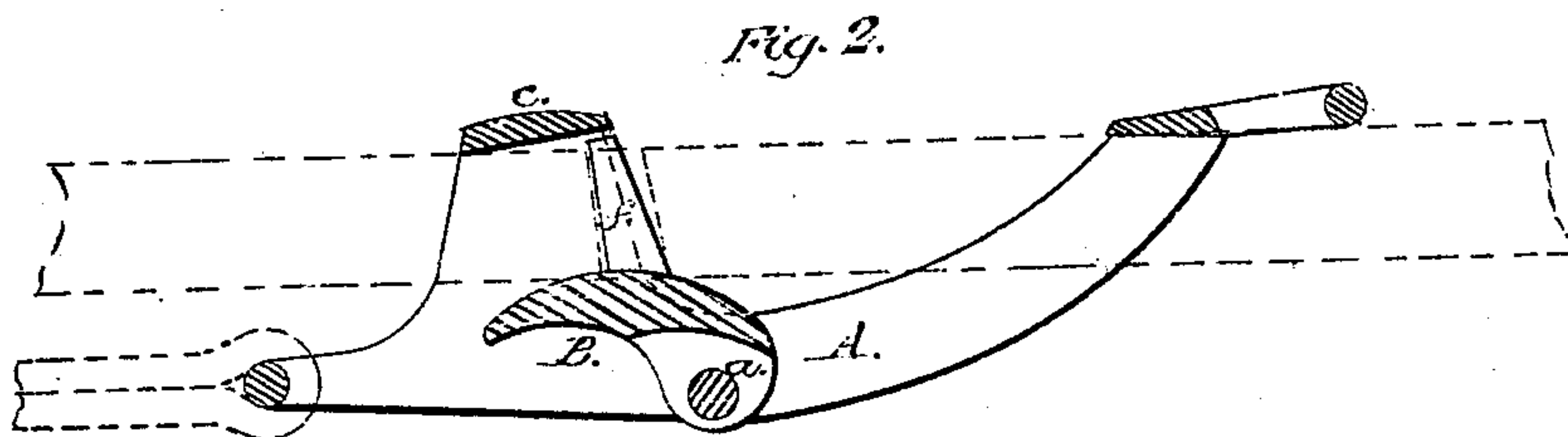
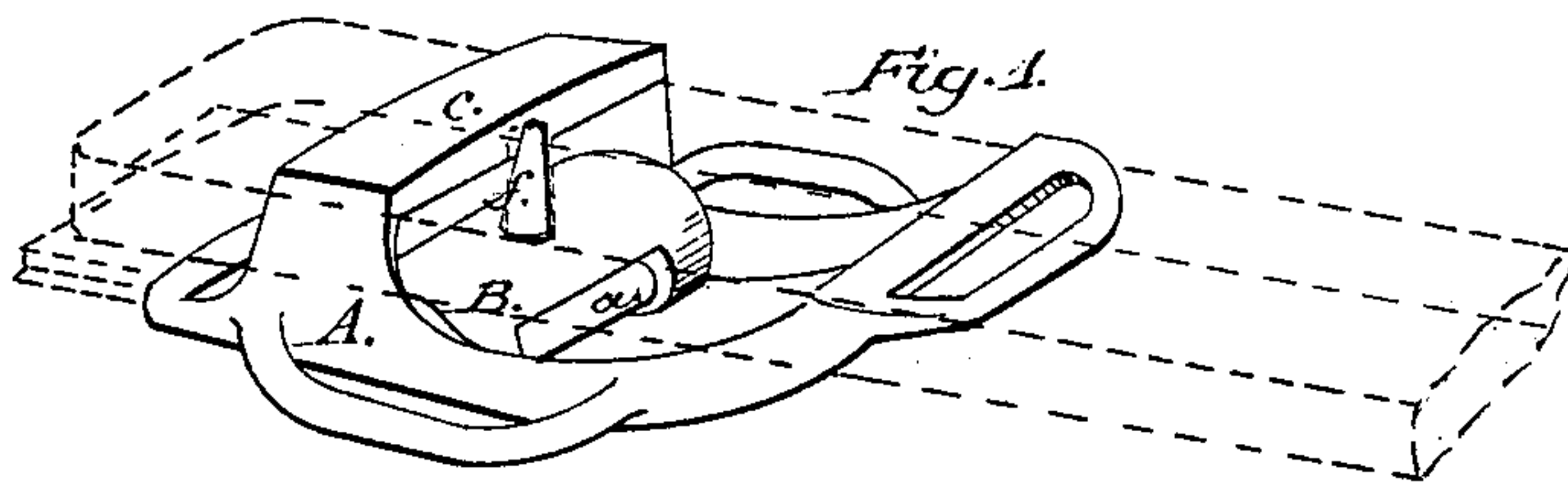


A. V. Sargeant,

Buckle.

No. 90,878.

Patented June 1, 1869.



Witnesses:
J. M. Brown
Fred. Haynes

Inventor:
A. V. Sargeant,
per
Brown & Co.
attys

United States Patent Office.

ABRAHAM V. SARGEANT, OF SYRACUSE, NEW YORK.

Letters Patent No. 90,878, dated June 1, 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, ABRAHAM V. SARGEANT, of Syracuse, in the county of Onondaga, and State of New York, have invented a new and useful Improvement in Buckles; 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, which form part of this specification, and in which

Figure 1 represents a perspective view of a trace-buckle, constructed according to my invention, and

Figure 2, a longitudinal section of the same.

Similar letters of reference indicate corresponding parts in both figures.

This invention, though more especially designed for harness-buckles, may also be applicable to buckles of other kinds; and

It consists in a buckle having its tongue carried upon and combined with an eccentric hinge, or pivoted upon the centre-bar, whereby convenience of manipulation is gained without detracting from the efficiency of the buckle, and whereby the trace or other strap which is buckled therein is clamped and held by the said eccentric, in connection with the tongue, with a degree of force proportionate to the strain to which it is subjected, thereby lessening liability of the breaking or bending of the tongue, or of the tearing out of the hole in the said trace or strap, by thus relieving said parts of much of the strain to which, with buckles of ordinary construction, they are necessarily subjected.

Referring to the accompanying drawings—

A is the frame of the buckle, constructed substantially as other buckle-frames.

B is an eccentric pivoted upon the centre-bar *a* of the frame, and carrying upon it the tongue *f*, in the manner as shown, so that it may readily engage with the tongue-holes of the trace or strap, as the same is slipped through the buckle in one direction, and as readily disengage therefrom, when the said trace or strap is slipped in the opposite direction.

Said eccentric B is made in the form as represented in the drawings, or other suitable form, so that, when the tongue *f* is drawn back by the strain exerted on the trace, or other strap with which it may be engaged, the said eccentric will be drawn outwardly or toward the inner surface of the bridge *c* of the frame.

By this means, the said trace or strap is jammed and held between the said eccentric and the bridge *e*, at or near its point of engagement with the tongue *f*, thereby relieving the said tongue *f* of much of the strain to which it is otherwise subjected.

What I claim as my invention, and desire to have secured by Letters Patent, is—

The buckle A, having its tongue *f* carried upon and combined with an eccentric, B, hinged or pivoted upon the centre-bar, in such manner that the draught upon the tongue shall cause the eccentric to bite upon the strap, substantially as herein shown and described.

ABRAHAM V. SARGEANT.

Witnesses:

HENRY C. BANKS,

WILLIAM S. STAN.