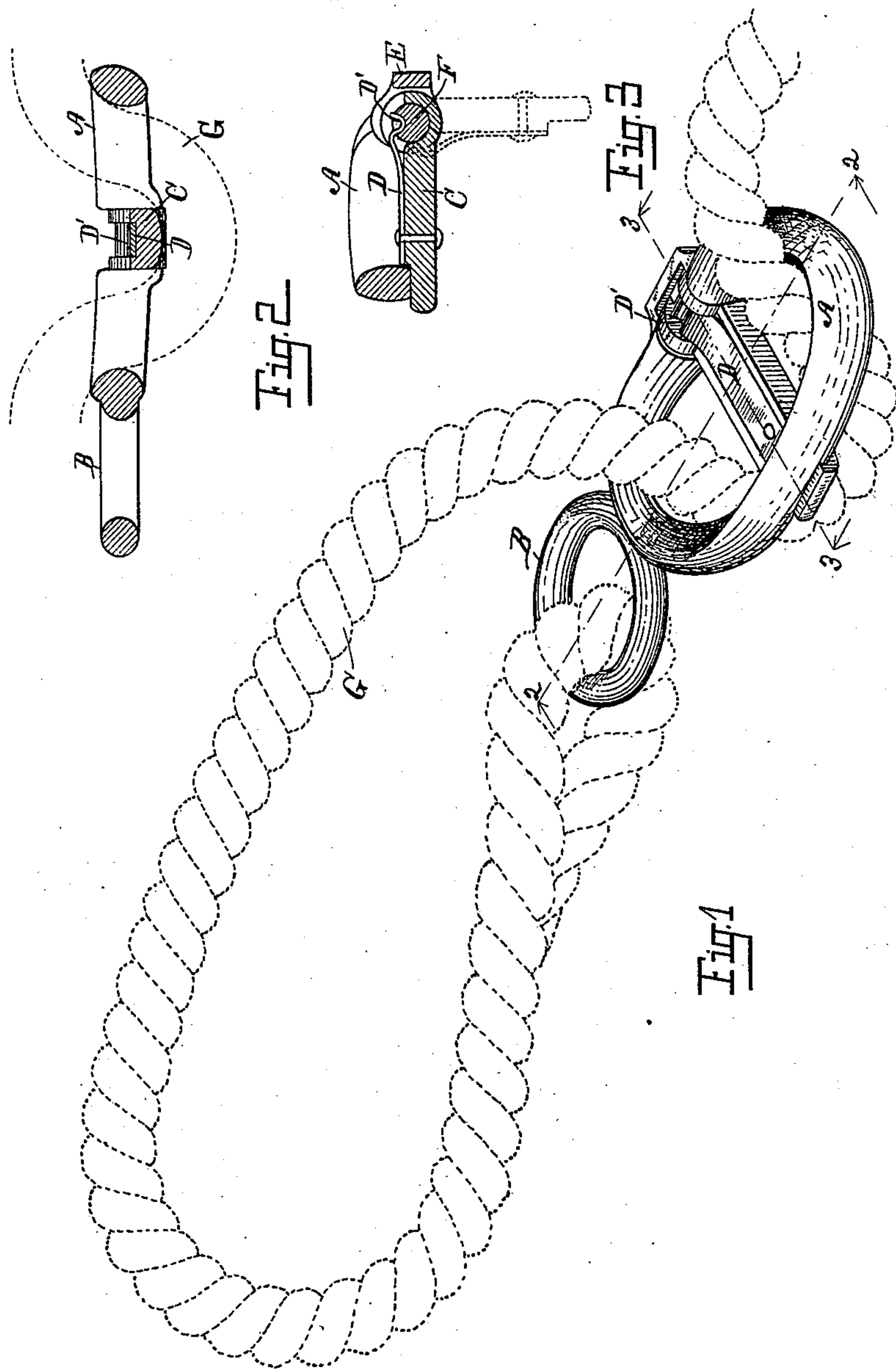


(No Model.)

C. W. BAKER.  
ROPE BUCKLE.

No. 549,096.

Patented Nov. 5, 1895.



Witnesses:

*Marian Longyear*  
*Walter S. Wood*

Inventor,

*Charles W. Baker*

By *Fred L. Chappell*  
Att'y.



# UNITED STATES PATENT OFFICE.

CHARLES W. BAKER, OF WAVERLY, MICHIGAN.

## ROPE-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 549,096, dated November 5, 1895.

Application filed November 26, 1894. Serial No. 529,979. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES W. BAKER, a citizen of the United States, residing at the town of Waverly, in the county of Van Buren and State of Michigan, have invented certain new and useful Improvements in Rope-Buckles, of which the following is a specification.

My invention relates to improvements in rope-buckles, and more particularly to improvements in a rope-buckle which I invented and for which I received United States Letters Patent No. 511,576, dated December 26, 1893. My present invention has for its objects the improvement and simplification in the matter of construction of the rope-buckle illustrated in said Letters Patent, and to improve it generally by increasing its durability and protecting the weaker parts. The construction shown in my former patent I found was open to serious objections, both as to the method of construction and in its action when completed.

I accomplish the objects of my invention by the devices shown in the accompanying drawings, in which—

Figure 1 shows an end of a rope halter embodying my invention, the illustration showing the same nearly full size. Fig. 2 is a sectional view on line 2 2 of Fig. 1. Fig. 3 is also a sectional view taken on line 3 3 of Fig. 1.

The sectional views are all taken looking in the direction of the little arrow at the ends of the section-lines.

Similar letters of reference refer to similar parts throughout the several views.

Referring to the lettered parts of the drawings, A is a metal loop across which the tongue or cross portion of the buckle C extends. The tongue or cross-piece C is preferably formed of malleable iron, and is placed upon the little journal-bearing F and closed around the same, as will be readily understood from an inspection of Figs. 2 and 3. The portion E extends across by the journal at that point to protect the bearing end of the buckle and strengthen the part. A spring D is located in a recess on the tongue C toward the buckle side and projects out, and the end is turned down at D' and engages in a notch or recess

in the journal portion F when the tongue C is thrown across the loop A. This securely retains the tongue in place at that point. A ring B, through which the end of the rope G is passed, is integral with the loop A.

To use my invention, the rope is looped around the part to which it is intended to be attached—as, for instance, around the horns of a cow or around the neck of a horse. The rope is then doubled or kinked and crowded through the loop A, pushing the tongue C away from the loop A to the position indicated by the dotted lines in Fig. 3. The loop of rope is inserted far enough, then the tongue C is swung down against the loop A inside the loop of rope, and when strain is put upon the same the rope will be found to be securely held in position.

It will be noted that the spring D is placed in a recess on the under side of the tongue C, and is held normally in position by the end of the tongue entering a slight depression in the journal part F. In this position it will be noted that the rope does not come in contact with the spring to destroy the same, but serves as a protection for it, and by protecting it makes the same very durable and makes it possible to use a very light spring. It is desirable to have a spring only strong enough to keep the tongue C in position, so that a slight shaking or slight blow will not spring it out of place.

Of course when tension is put on the rope G the spring is not needed at all; but at other times when tension is slack, if the spring were absent, the buckle might become loosened.

I desire to state that my rope-buckle as here improved is capable of a great variety of uses. It can be successfully used in connection with tent-ropes, and with guy-ropes of any description, and can also be very successfully used where rope binders are used.

Having thus described my improved rope-buckle, I desire to state that it can be considerably varied in its details without departing from my invention. For instance, the spring D can be otherwise attached and no recess need be cut in the tongue to receive it, though the spring in the recess in the tongue is a great improvement.



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

1. In a rope buckle, the combination of the  
5 loop, A; the tongue, C, journaled to one side thereof and extending transversely across the same; a spring, D, attached to the side of said tongue, C, next to the loop, A; a notch  
10 in the journal bearing of the tongue of the buckle adapted to receive the end of said spring, D, when it is swung into contact with the loop, A, to retain it there, for the purpose specified.

2. In a rope buckle, the combination of the  
15 loop, A, the tongue, C, journaled to one side thereof and extending transversely across the same; a spring, D, inserted in a recess in the side of said tongue, C, next to the loop, A; a notch in the journal bearing of the tongue of  
20 the buckle adapted to receive the end of said spring, D, when it is swung into contact with the loop, A, to retain it there; a portion, E, projecting out and around the journaled end

of the buckle tongue to protect the same, for the purpose specified. 25

3. In a rope buckle or tie, the combination of the loop, A; the tongue, C, journaled to one side thereof and extending transversely across the same; a spring, D, attached to the side of said tongue, C, next to the loop, A; a  
30 notch in the journal bearing of the tongue of the buckle adapted to receive the end of the spring, D, when it is swung into contact with the loop, A, adapted to attach a rope so that the rope can be looped into a loop for an at- 35  
tachment and a kink forced through the buckle so that the tongue can swing inside said kink or loop in the buckle to retain it there, as specified.

In witness whereof I have hereunto set my  
40 hand and seal in the presence of two witnesses.

CHARLES W. BAKER. [L. S.]

Witnesses:

MARIAN I. LONGYEAR,  
WALTER S. WOOD.