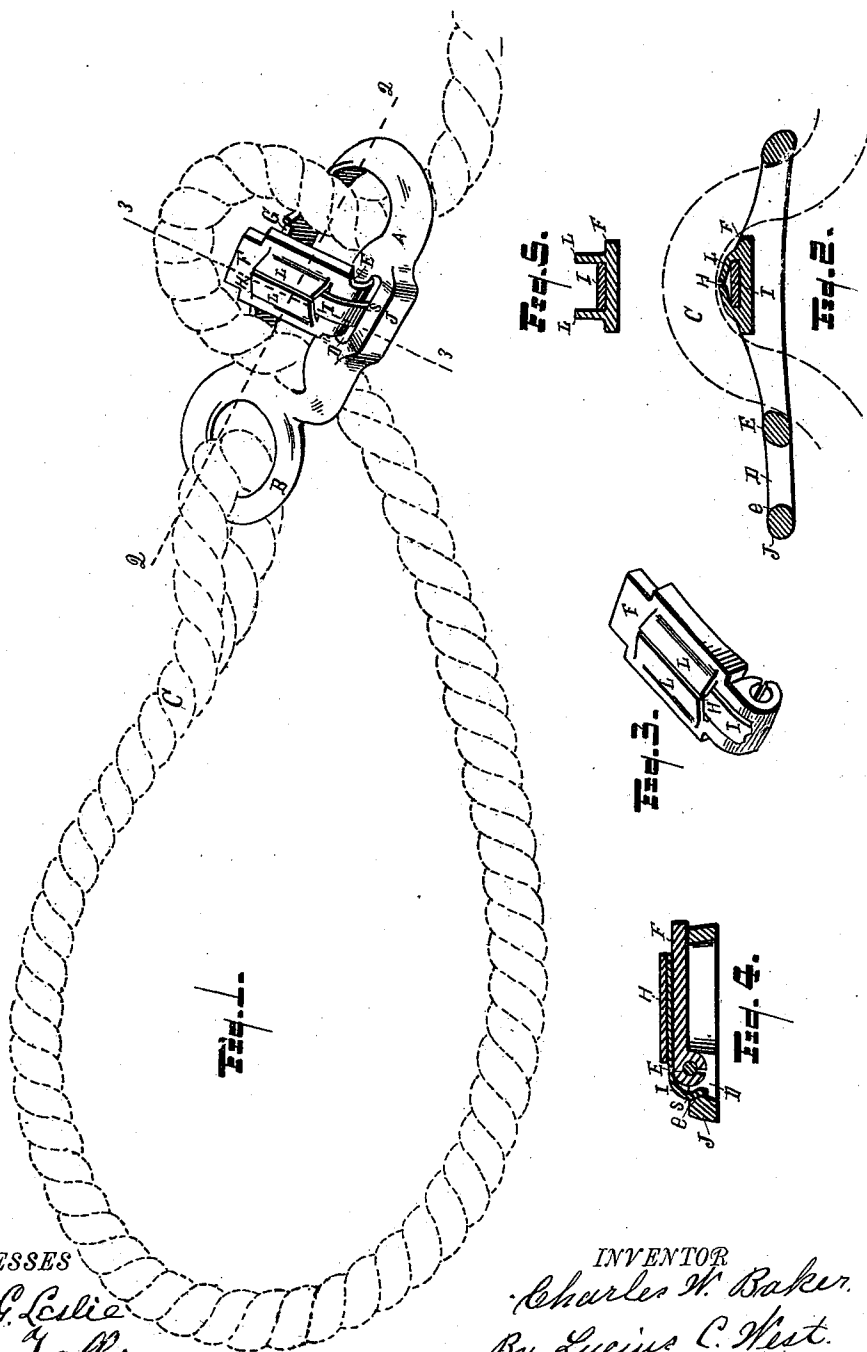


(No Model.)

C. W. BAKER.
ROPE BUCKLE.

No. 511,576.

Patented Dec. 26, 1893.



WITNESSES
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UNITED STATES PATENT OFFICE.

CHARLES W. BAKER, OF WAVERLY, MICHIGAN.

ROPE-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 511,576, dated December 26, 1893.

Application filed April 17, 1893. Serial No. 470,685. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. BAKER, a citizen of the United States, residing at Waverly, (Paw Paw P. O.,) county of Van Buren, State of Michigan, have invented a new and useful Rope-Buckle, of which the following is a specification.

This invention has for its object the construction of a simple metallic buckle for rope halters, hammock ropes or any other ropes which are looped around a support and fastened, an especial feature of the buckle being the mode of attaching and holding the tongue from displacement, all as more particularly described and claimed below.

In the drawings forming a part of this specification, Figure 1 is a perspective view; Fig. 2 a section on line 2—2, in Fig. 1; Fig. 3 an enlarged perspective view of the tongue, detached from Fig. 1; Fig. 4 a section on dotted line 3—3, in Fig. 1; and Fig. 5 is a section on line 2—2, in Fig. 1, illustrating one feature of the construction.

Referring to the lettered parts of the drawings, A is a metal loop, the hole through the same being flared on the under side. At one end of the loop A and integral therewith, is an eye, to which is attached the halter rope, C, or of course whatever rope may be employed. One side of the loop A is provided with a longitudinal slot, D, leaving a bar of metal each side of said slot. The bar, E, at the inside of the slot, has a rounded portion, to which the eyed end of the tongue, F, is hinged, Fig. 4. The opposite side of the loop A is provided with a mortise, G, on the upper side, to receive the free end of the tongue F, when said tongue is lowered to place, to prevent lateral canting of said tongue, caused by the strain of the rope across it. The rope, C, is looped around an animal's horns or neck, or a tree or post, or whatever said rope is to be attached to (the large loop in Fig. 1 showing the loop referred to) and is then kinked, forming a small loop, which is inserted up through the loop A of the buckle, as in Fig. 1, the tongue F being raised to admit the rope. The tongue F is then pressed down on to the loop A and the rope drawn tight, so that it will rest transversely upon said tongue, as in Fig. 2, said loop drawing across and engaging the apex, H, of the tongue F. The tongue

is provided with a spring, I, the free end of which passes down between the hinged eye of the tongue F and the outer bar, J, of the slot D. The inner upper surface of the bar J is beveled off or rounded, as at *e*, and the free end of the spring is bent something in a letter S form, so as to form a shoulder, S, at the upper side of the bar J, forming a stop, to prevent the tongue F from flying up, since the end of the spring I engages the bar J against a spring resistance when the tongue is lowered on to the loop A, Fig. 4. When the tongue is raised, the end of the spring I disengages from the bar J.

The spring I may be attached to the tongue F in any suitable manner. A desirable plan is to form the tongue with two separated ribs, L, Fig. 5, place the spring between them and then press them down toward each other upon the spring, as in Figs. 1, 2 and 3, thus forming the apex, H, as well as attaching the spring to the tongue; but of course the apex H may be otherwise formed, if desired.

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

1. A buckle comprising the body-loop provided with a longitudinal slot at one side, forming a bar at each side of said slot, a tongue, one end of which is hinged to the inner one of said bars, and a spring attached to the tongue and having a free end adapted to detachably contact with the inner surface of the bar at the outside of the slot; substantially as set forth.

2. A buckle comprising the body-loop provided with a longitudinal slot in one side, forming a bar at each side of said slot, a tongue provided with a longitudinal apex on the upper side, one end of said tongue being hinged to the inner one of said bars, and a spring, one end of which is attached to said tongue, and having a free end adapted to detachably contact with the inner surface of the bar at the outside of the slot; substantially as set forth.

3. A buckle comprising the body-loop provided with a longitudinal slot in one side, forming a bar at each side of said slot, the upper inner surface of the outer one of said bars being rounded or beveled off, a tongue hinged at one end to the inner one of said bars, and a spring, one end of which is attached to the

tongue and having a free end adapted to detachably contact with the rounded or beveled surface of said outer bar, against a spring resistance, said spring being bent to form a stop-shoulder; substantially as set forth.

4. A buckle comprising the body-loop provided with a longitudinal slot in one side, forming a bar at each side of said slot, a tongue hinged at one end to the inner one of said bars, and a spring having a free end adapted to detachably contact with the inner surface of the outer one of said bars, the other end of

said spring being attached to the tongue by the ribs formed on the tongue and folded over on to said spring, and also forming the apex to the tongue; substantially as set forth.

In testimony to the foregoing I have hereunto subscribed my name in the presence of two witnesses.

CHARLES W. BAKER.

Witnesses:

N. G. LESLIE,
AARON FALLMAR.