C. W. Saladee,

Buckle,

Nº 47,574.   Patented May 2, 1865.
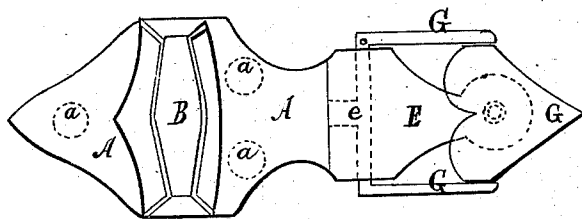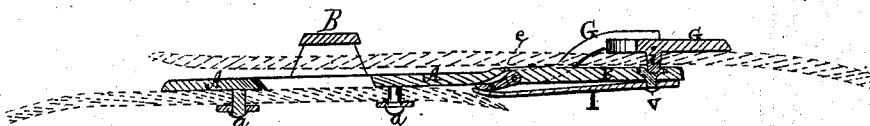
Fig. 1.

Fig. 2.

Witnesses.   Inventor,

W. Clayton   C. W. Saladee,
Jnot. McCutchen   by
                      Atty. Jo C Clayton

UNITED STATES PATENT OFFICE.

CYRUS W. SALADEE, OF PUTNAM, OHIO.

IMPROVED HARNESS-BUCKLE.

To all whom it may concern:

Be it known that I, CYRUS W. SALADEE, of Putnam, Muskingum county, in the State of Ohio, have invented certain new and useful Improvements in Buckles for Harness, &c.; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference thereon marked.

Figure 1 is a plan view. Fig. 2 is a section, the red lines showing the strap to which the buckle is secured.

I call my improved buckle a "snap buckle," for it is self-acting and lacks the ordinary "long tongue."

My invention is more particularly applicable to the plate and-rivet buckle described in my application "A;" and it consists in pivoting the buckle in a groove in the tongue, (or part that resembles the common tongue,) so that a spring shall make the front end of the tongue snap under the front bar of the buckle, which is provided with a short stud, which passes through the strap to be held and takes in a corresponding hole in the tongue.

In the drawings, A is the metallic buckle-plate provided with rivets a, by which it is secured to the upper surface of the strap.

B is the metallic loop for confining the loose end of the strap.

The plate A, rivets a, and loop B are similar to the plate, rivets, and loop described in my application "A."

E is the tongue, and is the front end or continuation of plate A. It is provided with a grooved recess, e, in its under side, about one inch from the end, and in which the back bar of the buckle is pivoted.

G is the buckle, its back bar, o, being provided with a short lever, x, and turning in the groove e. The under side of the front bar of the buckle is provided with a short stud, i, which takes into a corresponding indentation, v, in the upper side of the tongue E.

I is a flat steel spring, the front end of which is secured by a rivet to the front end of tongue E, the rear end of said spring pressing down

uplever x of the back bar of the buckle, so as to keep it in the groove e, and at the same time force the front ends of the tongue and buckle together, so as to make the stud i take into the hole v. If preferred, the stud i may be put upon the tongue instead of upon the buckle, and may take into a corresponding hole in the front bar of the buckle.

In using my improved snap-buckle, the strap to be held is placed between the front bar of the buckle and the tongue, and drawn as tightly as desired, the spring forcing the front bar down upon the strap, so that the stud shall take into each hole of the strap as it arrives. The front side of stud i should be rounded off somewhat, so as to allow the strap to slip over it when being tightened.

There is a peculiar advantage possessed by this buckle. It is not necessary to slacken the strap in order to unbuckle it, as is the case with other buckles. In have only to lift up the front bar of the buckle about an eighth of an inch in order to lift the stud i out of the hole in the strap, which thus frees the strap. The importance of this advantage is self-evident.

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

1. Constructing a buckle so as to be unbuckled without slackening the strap, in the manner described.

2. The buckle G, in combination with the tongue E.

3. Pivoting the buckle to the tongue in the manner described.

4. Forming the tongue E as a continuation of plate A, in the manner described.

5. The stud i, or its equivalent, operating as described, in combination with the indentation v.

In testimony that I claim the above I hereunto set my hand.

<div style="text-align:right">CYRUS W. SALADEE.</div>

In presence of—
    E. A. SALADEE,
    JOHN MURRAY.