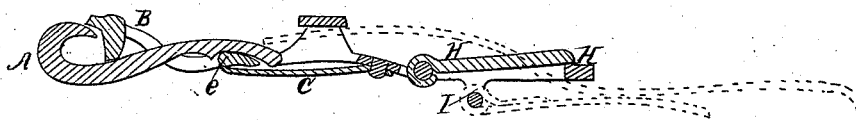
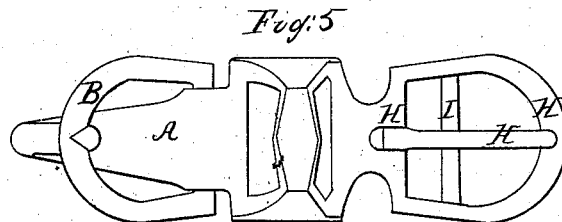
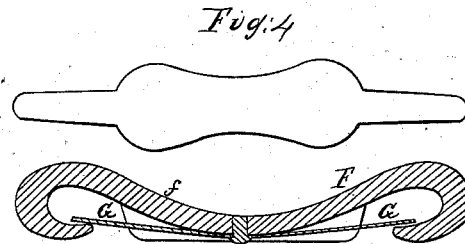
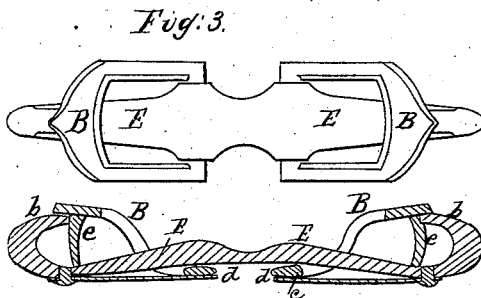
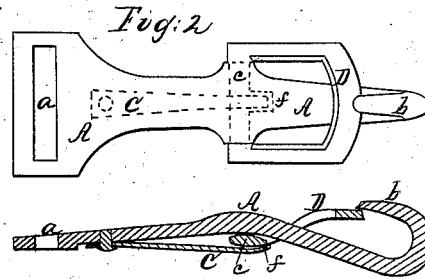
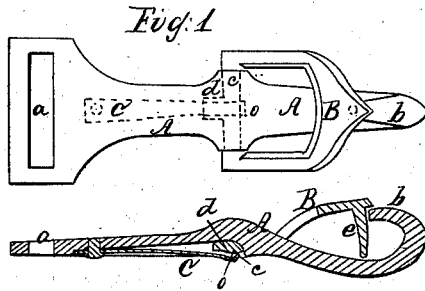


C. W. Saladee,

Snap Hook,

No. 48,100,

Patented June 6, 1865.



Witnesses

W. Clayton
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UNITED STATES PATENT OFFICE.

CYRUS W. SALADEE, OF NEWARK, OHIO.

IMPROVED SNAP-HOOK.

Specification forming part of Letters Patent No. 48,100, dated June 6, 1865.

To all whom it may concern:

Be it known that I, CYRUS W. SALADEE, of Newark, in the State of Ohio, have invented certain new and useful Improvements in Snap-Hooks or Spring-Snaps for Bridles, Harness, &c.; and I do hereby declare that the following is a full and exact description thereof, reference being had to the annexed drawings, and to the letters of reference thereon marked.

The nature of my invention principally consists in constructing "snap-hooks" or "spring-snaps" upon the principle of my snap-buckle, described in my patent of May 2, 1865; also, in combining a snap-hook with a buckle so constructed as to be capable of having one end of a strap secured to a bar under the buckle-tongue.

In the drawings, Figure 1 shows a single snap-hook in which the buckle-shaped guard presses down upon the hook, and is provided with a guard-spur. Fig. 2 shows a single snap-hook in which the buckle-shaped guard presses up under the point of the hook and dispenses with the guard-spur. Fig. 3 shows my improved single snap-hook in combination with a buckle formed at the rear end, the buckle being so constructed as to have an independent cross-bar under the tongue for the attachment of the end of a strap.

In Fig. 1, A represents the "hook" provided with a loop, *a*, for the fastening of a strap, and at the other end with a hook, *b*, which is to hook into the ring of a bit, stand-post, &c.

B is the buckle-shaped guard, having its back bar, *c*, provided with a short stud, *d*, extending to the rear. This bar makes about a third of a revolution in a suitable groove in the under side of the hook A, so that when the guard B is turned up the hook *b* can be disengaged from the ring to which it has been "snapped."

e is a spur projecting downward from the front bar of the guard B, and presses vertically upon the body of hook A, immediately under the extreme point of the hook *b*, so as to effectually preclude the disengagement of the snap until the guard and spur should be raised up.

C is a flat spring, riveted to the under side

of the hook A, and pressing down upon the back bar, *c*, and its stud *d*, so as to keep down in place the front end of the guard and its spur. It will be noticed that the front of the spring C is slightly turned up at *o*. The object of this is to prevent the guard from being turned back in opening the snap beyond a vertical position.

In Fig. 2 is shown my improved single snap-hook constructed upon the same principle with that shown in Fig. 1, with the exception that the guard dispenses with the spur *e*, and is pressed up under the point of the hook *b*, instead of over it.

In this mode of construction the buckle-shaped guard D has a stud, *f*, on its back bar, *c*, extending toward the front or hook end, instead of toward the rear, so the tendency of the spring C is to force the guard D up against the under side of the point of the hook, so as to prevent the disengagement of the ring from the snap without the guard is first pressed down by the thumb. In this mode there is no curve *o* at the end of the spring.

Fig. 3 represents a single snap-hook constructed like that shown in Fig. 1, but made in combination with a buckle, H, which is provided with an extra cross-bar, I, under the tongue of the buckle for the attachment of a strap.

The advantage of the snap-hooks shown in Figs. 1 and 2 are their ease and security of operation and their capability of ornamental construction.

It is sometimes desirable to have a snap attached to a strap that is to be used of variable lengths. This advantage is gained by the combined snap and buckle shown in Fig. 5. The strap (red lines) has one end secured to the extra cross-bar I. The other end of the strap is free and can be taken up and held, as desired, by the buckle H.

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

1. The buckle-shaped guard B, (with or without the spur *e*,) in combination with a hook, *b*, substantially as described, and for the purposes specified.

2. The buckle-shaped guard D, in combination with a hook, b, substantially as described, and for the purposes specified.

3. The hook o on the end of the spring C, for the purpose described.

4. The combination of a snap-hook, A B, with a buckle, H, when the buckle is provided with an extra bar, I, for the attachment of a strap:

In testimony that I claim the above I hereto subscribe my name.

CYRUS W. SALADEE.

Witnesses:

E. A. SALADEE,
R. T. BLAND.