

F. W. KNAPP & C. SCHALLHORN.
BUCKLE AND SNAP-HOOK.

No. 194,442.

Patented Aug. 21, 1877.

Fig. 1.

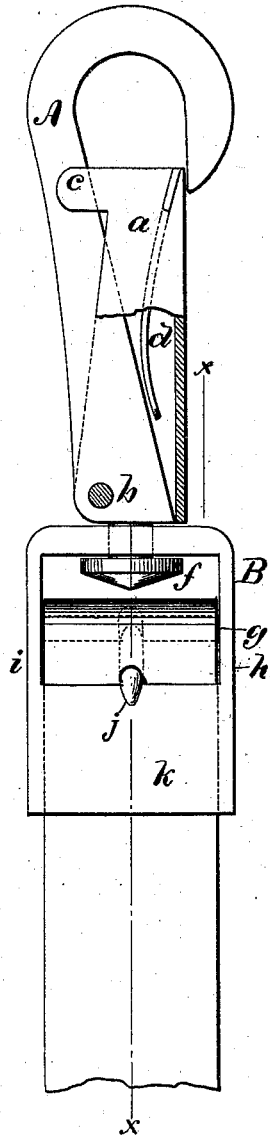
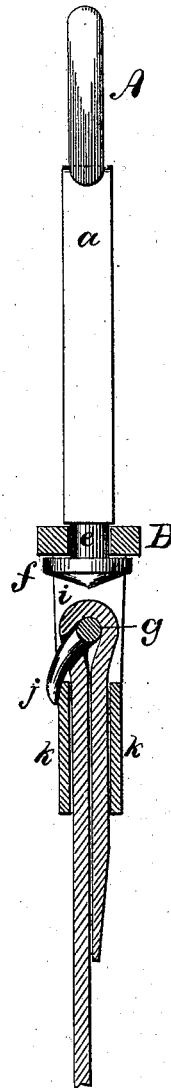


Fig. 2.



WITNESSES:
Gustave Dietrich
J. H. Scarborough

INVENTOR'S
F. W. Knapp.
C. Schallhorn.
BY
Munnell & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

FAYETTE W. KNAPP AND CHRISTOPHER SCHALLHORN, OF FIDDLETOWN,
CALIFORNIA.

IMPROVEMENT IN BUCKLE AND SNAP-HOOK.

Specification forming part of Letters Patent No. **194,442**, dated August 21, 1877; application filed
February 3, 1877.

To all whom it may concern:

Be it known that we, FAYETTE W. KNAPP and CHRISTOPHER SCHALLHORN, of Fiddletown, in the county of Amador and State of California, have invented a new and Improved Buckle-Snap, of which the following is a specification:

Figure 1 is a side elevation with parts broken away. Fig. 2 is a longitudinal section on line *x x* in Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

In the drawing, A is a snap-hook, provided with a spring-latch, *a*, which consists of a piece of sheet metal, bent so as to embrace the sides of the hook, and swinging on the rivet *b*, which passes through both it and the hook. Ears *c* are formed on the latch *a*, to prevent the ring inclosed by the hook from getting between the latch and the hook. A slot is cut through the sides of the free end of the latch to receive ears formed on the sides of the spring *d*, which spring presses upon the shank of the hook A, and throws the latch *a* against the extremity of the hook. The end of the shank of the hook A is provided with a stud, *e*, having formed upon it the large flat head *f*. B is a yoke that is bored to receive the stud *e*, and is held in place upon the said stud by the head *f*. *g* is a cross-bar secured in the arms *h i* of the yoke B, and upon which the buckle-tongue *j* is placed. Side pieces *k*

k are attached to the yoke B, forming an oblong loop, through which the strap engaged by the buckle-tongue passes. The strap is attached to the buckle by passing it upward through the loop, placing the buckle-tongue through one of its perforations, drawing the strap down until the said tongue rests on one of the side pieces *k k*, and then passing the shorter end downward through the loop, and drawing it down tightly.

The swivel-connection between the buckle and snap permits of drawing upon the strap without injury to the strap, buckle, or snap.

The loop formed at the lower end of the yoke by the connecting side pieces holds the strap firmly, and leather loops are dispensed with.

The latch of the snap protects the spring, so that it is not easily injured.

We are aware that it is not new in snap-hooks to use a pivoted latch with a spiral spring attached to and beneath its rear end; but

What we claim is—

A snap-hook having pivoted spring-latch *a c*, longitudinal spring *d*, stud *e*, and head *f*, in combination with a yoke, B, having arms *h i*, tongue *j*, and side pieces *k k*, the hook and yoke being swiveled together, as shown and described, for the purpose of forming a swiveling buckle-snap.

FAYETTE WOOD KNAPP.
CHRISTOPHER SCHALLHORN.

Witnesses:

E. A. SLOUT,
M. M. ALLEN.