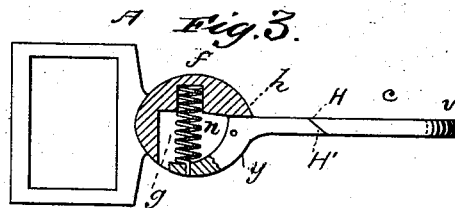
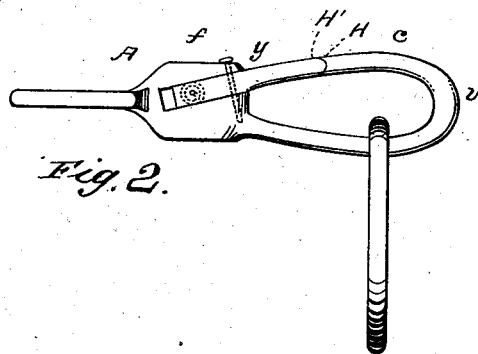
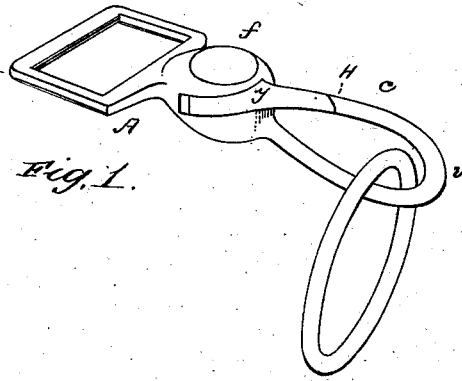


(No Model.)

F. C. AYRES.  
SNAP HOOK.

No. 260,637.

Patented July 4, 1882.



WITNESSES

*Villette Anderson.*  
*Philip LeMasi.*

INVENTOR

*F. C. Ayres,*  
*by Anderson & Smith*  
*his* ATTORNEYS

# UNITED STATES PATENT OFFICE.

FRANKLIN C. AYRES, OF DEADWOOD, DAKOTA TERRITORY.

## SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 260,637, dated July 4, 1882.

Application filed April 27, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, FRANKLIN C. AYRES, a citizen of the United States, and resident of Deadwood, in the county of Lawrence and Territory of Dakota, have invented a new and valuable Improvement in Snap-Hooks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my snap-hook. Fig. 2 is a side view of the same, and Fig. 3 is a vertical sectional view.

My invention relates to snap-hooks for harness and other like uses; and it consists in the novel construction hereinafter described, by means of which a ring or strap to be attached may be passed in to the right, and may be detached by moving the same in the opposite direction, as specified.

The letter A of the drawings represents the frame of my hook, having a connecting-staple, c, and enlarged recessed head f, as shown. The groove or recess in the head f is marked g on the drawings. It will be observed that while at its base this recess extends nearly across the head, at its upper end it extends only about half-way across said head, leaving a shoulder or stop, h, against which the pivoted section of the hook rests when the hook is closed.

The letter n represents a retracting-spring connected with the section of the hook that is pivoted, and the inner wall of recess g, as shown.

One section (marked v) of my hook is formed by an extension of the frame outward from the head f, as shown, or it may be constructed by

rigidly attaching a suitable wire or rod to said head. This section v is bent around in the form of a hook, as shown, and has its extreme point beveled, as shown at H.

The section or hook portion v is made of spring metal, so that it will yield to the ring or strap when force is exerted upon either in a direction away from the pivoted section y and against or near its beveled end, H, while the frame of the hook is held in the hand, securing or releasing the ring or strap.

The portion of my hook marked y is pivoted in the recess g, as shown, and is also connected with the spring n in the manner represented, while its extreme point is beveled at H' to correspond with the beveled end of section v.

To operate my invention I pass a ring or strap either to the right or left. If to the right, the ring or strap is pressed against the section v, and if to the left it is pressed against the section y. In either direction the ring or strap is secured or released at will.

I claim as my invention—

In a snap-hook, the combination, with the frame A, having the recessed head f, and extending therefrom the section or hook portion v, of spring metal, having the beveled end H, of the pivoted section y, having the beveled end, H', and the retracting-spring n, connected to the wall of the recess g and to the rear end of the pivoted section y, substantially as and for the purposes specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FRANKLIN C. AYRES.

Witnesses:

R. C. WEBSTER,  
HENRY FRAWLEY.