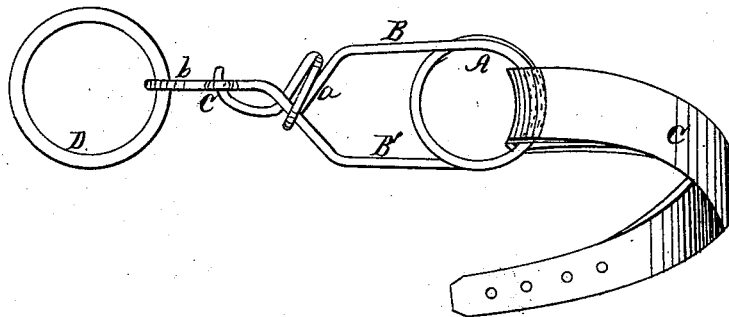
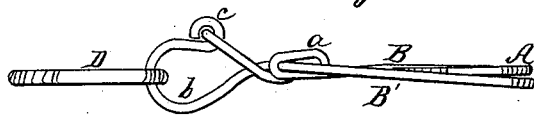


*H. W. Knowlton,*  
*Snap Hook,*  
*No. 50,720,      Patented Oct. 31, 1865*

*Fig: 1.*



*Fig: 2.*



*Witnesses.*  
*W. C. Brown*  
*Thos. Fusch*

*Inventor*  
*H. W. Knowlton*  
*per Munn & Co.*  
*Attorneys*

# UNITED STATES PATENT OFFICE.

HOMER W. KNOWLTON, OF SARATOGA SPRINGS, NEW YORK.

## IMPROVED SNAP-HOOK.

Specification forming part of Letters Patent No. 50,720, dated October 31, 1865.

*To all whom it may concern:*

Be it known that I, HOMER W. KNOWLTON, of Saratoga Springs, in the county of Saratoga and State of New York, have invented a new and Improved Snap-Hook for Harnesses and for other Purposes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved snap-hook for harnesses and for other purposes; and it consists in constructing the hook out of a single piece of wire, and in such a manner as to form a very simple, strong, and durable hook, suitable for all purposes to which said hooks are generally applied.

In the accompanying drawings, Figure 1 is a side view of my invention; Fig. 2, an edge view of the same.

Similar letters of reference indicate corresponding parts.

I construct my improved snap-hook by taking a piece of wire, of a suitable thickness and length, and bending it at about its center to form one or more convolutions, A, with the sides B B' extending out from them a certain distance parallel with each other, as shown clearly in Fig. 1. One of these sides, B, is bent, as shown at *a*, to form a loop or guide, which forms an oblique angle with the main part of B, and the other side, B', is bent or curved obliquely with its main part to pass through said guide *a*, and after passing through *a* is bent to form a hook, *b*, which is shown clearly in

Fig. 2. The other side, B, just beyond the guide *a*, is bent or curved in such a manner as to pass through an eye, *c*, at the end of the hook *b*, and form a lock for said hook. The convolutions A serve a twofold purpose—one as a spring, which has a tendency to keep the outer end of the side B in the eye *c*, and the other as a ring in which to secure a strap, C.

It will be seen that any pull or strain to which the strap may be subjected will not have a tendency to pull the end of B out of the eye *c*, but will, if anything, have a contrary effect.

In order to disengage the end of B from the eye, the two sides B B' are pressed toward each other.

Thus it will be seen that a ring, D, or a loop when fitted in the hook *b* cannot become casually detached.

The device is exceedingly strong, may be cheaply constructed, and in a very ornamental manner, or so as to have a chaste and neat appearance.

I would remark that the guide *a* may be formed on either of the sides B or B'.

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

The snap-hook herein described, the same being composed of a single piece of wire and formed with the convolution A and check-loop *a*, substantially as and for the purposes set forth.

HOMER W. KNOWLTON.

Witnesses:

D. A. KNOWLTON,  
C. D. KNOWLTON.