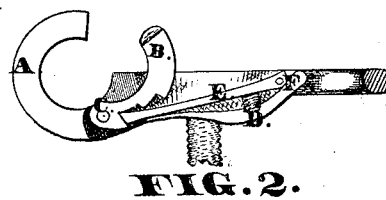
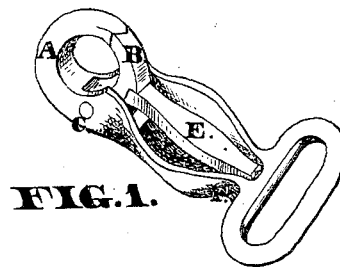


O. O. STORLE.  
Improvement in Snap-Hooks.

Patented May 2, 1871.

No. 114,487.



**Witnesses:**

*W. M. Hornor.*  
*E. B. Smith.*

**Inventor:**

*Ole O. Storle*

# United States Patent Office.

OLE O. STORLE, OF NORTH CAPE, ASSIGNOR TO HIMSELF AND STAMM BROTHERS, OF MILWAUKEE, WISCONSIN.

Letters Patent No. 114,487, dated May 2, 1871.

## IMPROVEMENT IN SNAP-HOOKS.

The Schedule referred to in these Letters Patent and making part of the same.

I, OLE O. STORLE, of North Cape, in the county of Racine, in the State of Wisconsin, have invented certain Improvements in "Snap-Hooks," of which the following is a specification.

### *Nature and Object of the Invention.*

My invention is a snap-hook for harness-whiffletrees and for other purposes, with a supporting piece and spring so arranged that it cannot be opened without the supporting piece being pressed clear down so as to strike the opening shoulder.

### *Description of the Drawing forming part of this Specification.*

Figure 1 is a perspective view, and  
Figure 2 a sectional view.

### *General Description.*

A is the body of the hook.  
B is the movable part of the hook.  
C, the rivet which holds the movable part of the hook in place.  
D, the spring.  
E, the supporting piece.  
F, rivet on which the supporting piece works. The end of this supporting piece comes against the movable part of the hook between a couple of projections or in a slag, so that the movable part of the hook can-

not be opened till the supporting piece is pressed down so as to strike the lower shoulder and open it, and when the supporting piece is thrown back by the spring it strikes the upper shoulder and closes the hook. This snap-hook may be made with a screw on its back side, as shown by the dotted lines, so as to be screwed onto the end of a whiffletree and in that case become a whiffletree-iron, leaving the loop off in which the leather is fastened when it is used as a snap-hook.

The operation of this snap-hook is that when it is to be opened for the purpose of hitching or unhitching it, place the thumb on the supporting piece and press down, and as the end passes down that comes in contact with the movable part of the hook it passes on the curve in the slag in the movable part of the hook, and the hook cannot be opened till it gets clear down and strikes the lower shoulder, which opens the hook so that anything can be hooked in or taken out.

### *Claim.*

I claim as my invention—  
A snap-hook with body A, opening and closing hook B, spring D, and supporting piece E, when arranged substantially as described.

OLE O. STORLE.

Witnesses:

J. B. SMITH,  
W. M. HORNOR.