

J. PETERS.

SNAP HOOK.

APPLICATION FILED JUNE 1, 1910.

1,052,272.

Patented Feb. 4, 1913.

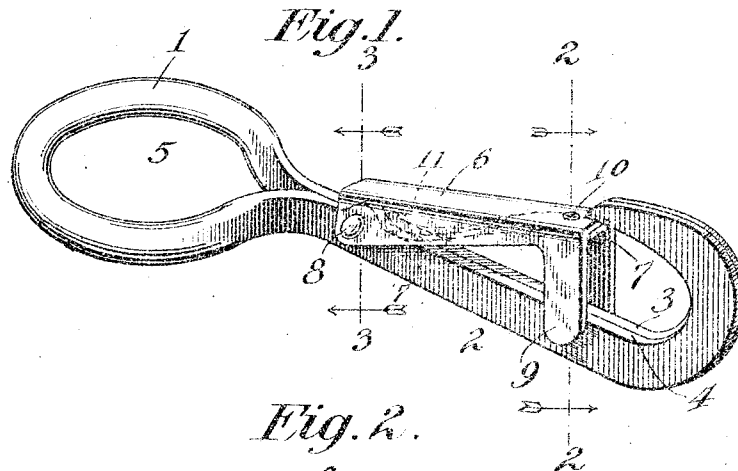


Fig. 2.

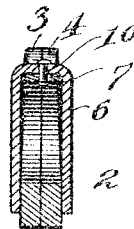
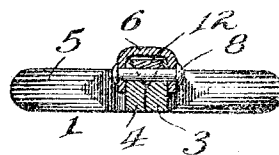


Fig. 3.



Witnesses
H. M. Lybrand
Edw. W. Straub

Inventor
Joseph Peters
By Victor J. Evans
Attorney

UNITED STATES PATENT OFFICE.

JOSEPH PETERS, OF HERRING, IOWA.

SNAP-HOOK.

1,052,272.

Specification of Letters Patent.

Patented Feb. 4, 1913.

Application filed June 1, 1910. Serial No. 564,362.

To all whom it may concern:

Be it known that I, JOSEPH PETERS, a citizen of the United States, residing at Herring, in the county of Sac and State of Iowa, have invented new and useful Improvements in Snap-Hooks, of which the following is a specification.

This invention relates to snap hooks and more particularly to that type which are adapted for use on swingle trees, wagon harness or the like.

The object of the invention is to provide a novel and cheaply constructed hook having a tongue pivoted thereon which will prevent disengagement of the trace, or other harness part to which the hook is connected.

A further object of the invention is the provision of a novel tongue for snap hooks and a novel manner of securing the tongue actuating spring.

A still further object of the invention will be found in the carrying out of the method of forming the hook and tongue.

Further objects of the invention will appear as the following specific description is read in connection with the accompanying drawing which forms a part of this application and in which:

Figure 1 is a perspective view of the device. Fig. 2 is a transverse section on the line 2--2 of Fig. 1, and Fig. 3 is a similar section on the line 3--3 of Fig. 1.

Referring more particularly to the drawing and to the method of manufacturing the same, it comprises a round bar of metal 1 which is flattened at its ends 2 and bent into the form of separate hooks 3 and 4. These ends are then brought together so as to form the eye 5 and are welded in the form shown in Fig. 1 so as to provide a longitudinal shank and a single hook. The shank has pivoted to it a locking tongue 6 and secured to the outer end of the locking tongue is a spring 7 which bears against the shank adjacent the pivotal point of the tongue so as to normally hold the outer end of the tongue in engagement with the bill of the hook.

The tongue is constructed of a single sheet of metal bent upon itself into substantially U-shaped form with its rear end slightly wider than its forward end so as to straddle

the shank and be secured thereto by a pivotal bolt 8. The forward end of the tongue has laterally extending legs 9 which when the tongue is bent into the form shown are adapted to extend in parallel relation and are of sufficient length to straddle the shank at all times. The spring 7 is secured to the inner side of the outer end of the tongue by a rivet 10 and its inner end 11 rests against a shoulder formed by an inserted lug 12 which is secured in between the separate parts of the shank in the welding operation to form a pivoting ear or boss. The tongue and spring form a unitary structure and displacement of the spring is thereby prevented when the tongue is removed.

From the construction of the latch member 6 it will be noted that the laterally extending legs 9 prevent the cock-eye from sliding backward, and thereby protect the spring 7 from accidental deflection. The pivoting ear 12 is inserted between the legs of the shank to raise the pivotal point of the tongue above the shank and to reinforce the shank so that it will not be weakened by the hole for the pivot bolt.

Having thus described the invention, what is claimed is--

A snap hook comprising a round bar of material having its opposite ends flattened for the major portion of the length of the bar and bent to provide hooks, said flattened portions being arranged in contacting engagement with each other and forming an eye at the opposite end of said hook, upstanding ears formed on said flattened portions adjacent said eye, a pivoting boss arranged between said ears, a latch member U-shaped in cross section straddling said flattened portions and having its rear end pivoted to said boss and ears, and bearing against the latter in operative position, and a spring normally holding the opposite end of said latch member in engagement with said hooks.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH PETERS.

Witnesses:

C. M. HERRIG,
WM. CLAUSSEN.