(No Model.)

R. W. JONES.

HOOK.

No. 361,524. Patented Apr. 19, 1887.

Fig. 1.

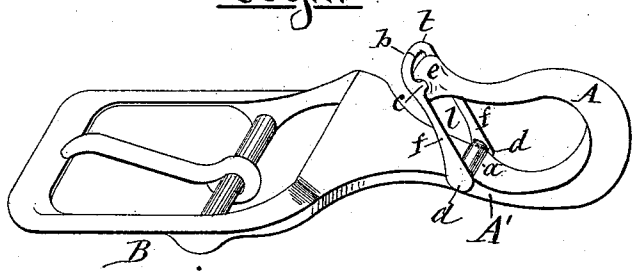
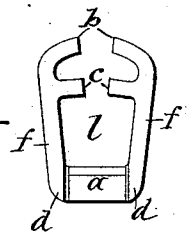


Fig 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

RICHARD W. JONES, OF SYRACUSE, NEW YORK.

HOOK.

SPECIFICATION forming part of Letters Patent No. 361,524, dated April 19, 1887.

Application filed January 29, 1887. Serial No. 225,861. (No model.)

To all whom it may concern:

Be it known that I, RICHARD W. JONES, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Harness-Hooks, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the class of harness-hooks which have a guard hinged to the free end of the hook, and adapted to fall across the entrance to the hook, so as to prevent accidental disengagement of said hook.

The invention consists in the improved construction and combination of parts, as hereinafter fully described, and specifically set forth in the claims.

In the annexed drawings, Figure 1 is a perspective view of a harness-hook provided with my improved guard, and Fig. 2 is a detached plan view of the blank from which the guard is formed.

A represents the harness-hook, which is formed integral with the frame of the buckle B, by which said hook is hung onto the strap, which may be either the holdback or breast strap, or other portion of the harness. The hook A is designed to form the coupling of the aforesaid strap with a ring on another portion of the harness. The free end of this hook is formed with an eye, *e*, in which I pivot my improved hook-guard, consisting of a link, *l*, having intermediate its length a cross-bar, *c*, by which it is pivoted in the eye *e* of the hook A, one end of said link lying with its cross-bar *a* normally on top of the shank A′ and the opposite end of the link projecting above the hook to serve as a thumb-piece, *t*, which, being inclined from the hook, can be easily depressed by the thumb or finger of a person's hand, and said pressure on the upper end of the link causes the same to swing on its pivot, so as to raise the opposite end thereof from the shank A′, and thus the hook A can be easily released from its engagement with the ring or loop on the harness. If the guard or link was deprived of the thumb-piece *t*, the former would have to be manipulated under the free end of the hook, or at the entrance into the hook as in prior devices of this class, and such manipulation is often very difficult for a person wearing heavy gloves or mittens.

In order to sustain the link *l* laterally, so as to maintain it in its proper bearing on the shank A′, I provide said link with lips *d d*, which are adapted to embrace between them, transversely, the top portion of the shank A′ and project downward at opposite sides of said shank sufficiently to effectually prevent lateral displacement of the link *l*. Said link I form of a blank composed of two side bars, *f f*, an integral cross-bar, *a*, uniting the side bars at one end, a transversely-divided or bipartite cross-bar, *b*, at the opposite end, a bipartite cross-bar, *c*, between the end cross-bars and lips *d d* at opposite ends of the cross-bar *a*, all formed in one piece of malleable iron, as represented in Fig 2 of the drawings. I connect this link to the hook A by introducing the cross-bar *a* into the entrance to the hook and bringing the two parts of the intermediate cross-bar, *c*, against opposite ends of the eye *e*, and in line therewith, and then compressing the link laterally until the ends of the two parts of the cross-bar *c* and *b* meet. The cross-bar *c*, being entered into the eye *e*, serves as the pintle for the link, and the cross-bar *b*, above the hook A, constitutes the thumb-piece for manipulating the link.

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

1. In combination with the hook formed with an eye in its free end, the link *l*, formed with an integral cross-bar, *a*, at one end, a bipartite cross-bar, *b*, at the opposite end, and the bipartite pintle *c* between said cross-bars, substantially as described and shown.

2. In combination with the hook formed with an eye in its free end, the link *l*, formed with end cross-bars, *a b*, intermediate pintle, *c*, and lips *d d*, substantially as described and shown.

In testimony whereof I have hereunto signed my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 26th day of January, 1887.

RICHARD W. JONES. [L. S.]

Witnesses:
C. BENDIXON,
C. H. DUELL.