

(No Model.)

C. C. SMITH.  
HARNESS SHAFT LOOP.

No. 386,093.

Patented July 10, 1888.

Fig. 1.

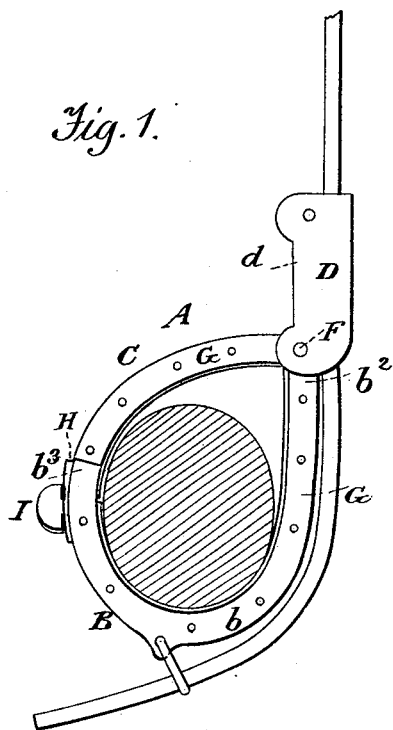


Fig. 2.

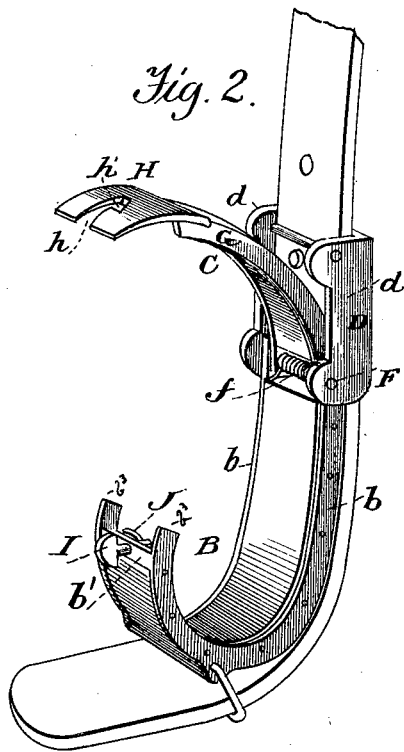
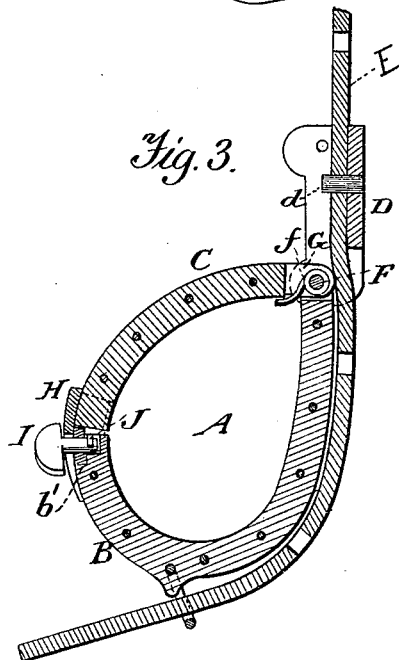


Fig. 3.



Witnesses.  
A. Ruppert.  
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# UNITED STATES PATENT OFFICE.

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## HARNESS SHAFT-LOOP.

SPECIFICATION forming part of Letters Patent No. 386,093, dated July 10, 1888.

Application filed February 23, 1888. Serial No. 264,967. (No model.)

*To all whom it may concern:*

Be it known that I, CARL C. SMITH, a citizen of the United States, residing at Hamilton, in the county of Butler and State of Ohio, have invented certain new and useful Improvements in Harness Shaft-Loops; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The special object of the invention is to make a shaft-loop which will need no buckles, and may be opened or closed in a moment, so as to put it on or take it off the shaft quickly, with little trouble, and with no unnecessary loss of time.

Figure 1 of the drawings is a front elevation showing the shaft-loop closed on the shaft; Fig. 2, a perspective view showing it open and off the shaft, and Fig. 3 a vertical cross-section.

In the drawings, A represents my loop made in two hinge-connected parts, B C, and provided with a hinged keeper, D, having the tongue *d* to go into a hole of the saddle-strap E. The part B has a leather body fastened between two curved metallic hooks, *b b*, connected by the cross-bar *b'*. These hooks extend at both ends beyond the leather. The ends *b<sup>2</sup> b<sup>2</sup>* form a bearing for the pivot F, which turns with the part C, and on which the keeper D turns, while the ends *b<sup>2</sup> b<sup>2</sup>* receive between them the front end of the hinged part C.

Around the pivot F is placed the coiled spring *f*, which throws back the part C, thus holding the loop open for the reception of the shaft.

The hinged part C has also a leather body

fastened between two metallic plates, G G, extending rearwardly beyond the leather to receive the pivot in its bearings, while on its front end is the plate H, open slotted at *h*, and provided at one side of said slot with a shoulder, *h'*. As the part C is pressed down on the part B, the plate H straddles a catch, I, swiveled in the cross-bar *b'* and held by a spring, J, obliquely thereto, so that the part C automatically turns the catch I and allows it to pass up the slot *h* until the shoulder *h'* is reached. Behind this shoulder the catch I is thrown by the spring J, so that the loop is closed and locked.

D is a keeper made of metal, having the side flanges, *d d*, and hinged on the pivot F, so that the saddle-strap is not only held, but prevented from lateral displacement, while it can always adjust itself to the direction taken by the saddle strap.

What I claim as new, and desire to secure by Letters Patent, is—

1. A two-part shaft-loop, one of the parts provided with a swiveled spring-held catch and the other with an open slot and shoulder, as shown and described.

2. The combination of the metallic hooks *b b*, connected by a cross-bar, *b'*, and filled intermediately with leather, the hinged metallic plates G G, intermediately filled with leather, the slotted and shouldered plate H, and the swiveled spring-held catch I, all constructed and arranged substantially as shown and described.

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

CARL C. SMITH.

Witnesses:

CHAS. F. BOBENMYER,  
I. S. EVERSON.