

(No Model.)

E. COVERT.  
SNAP HOOK.

No. 467,399.

Patented Jan. 19, 1892.

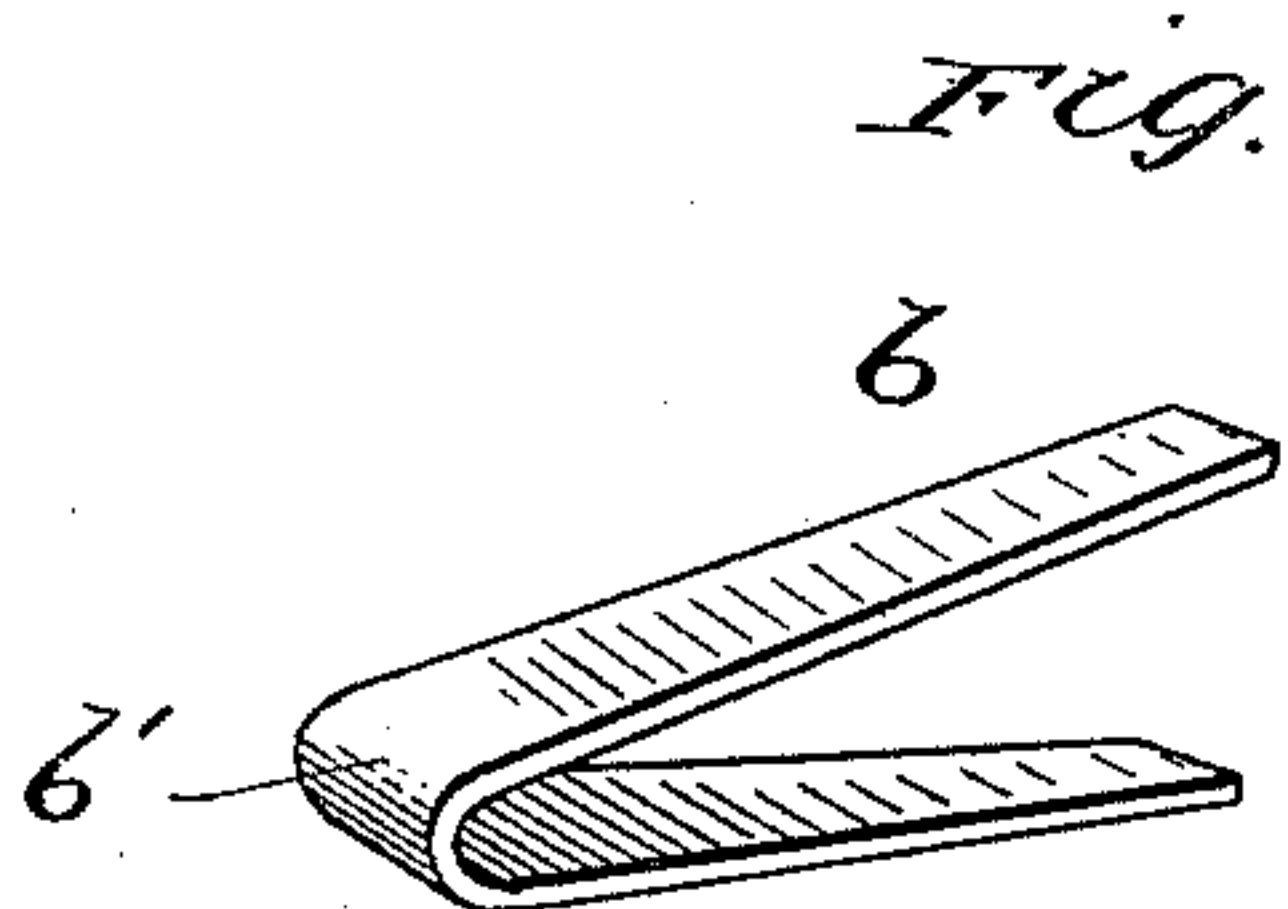
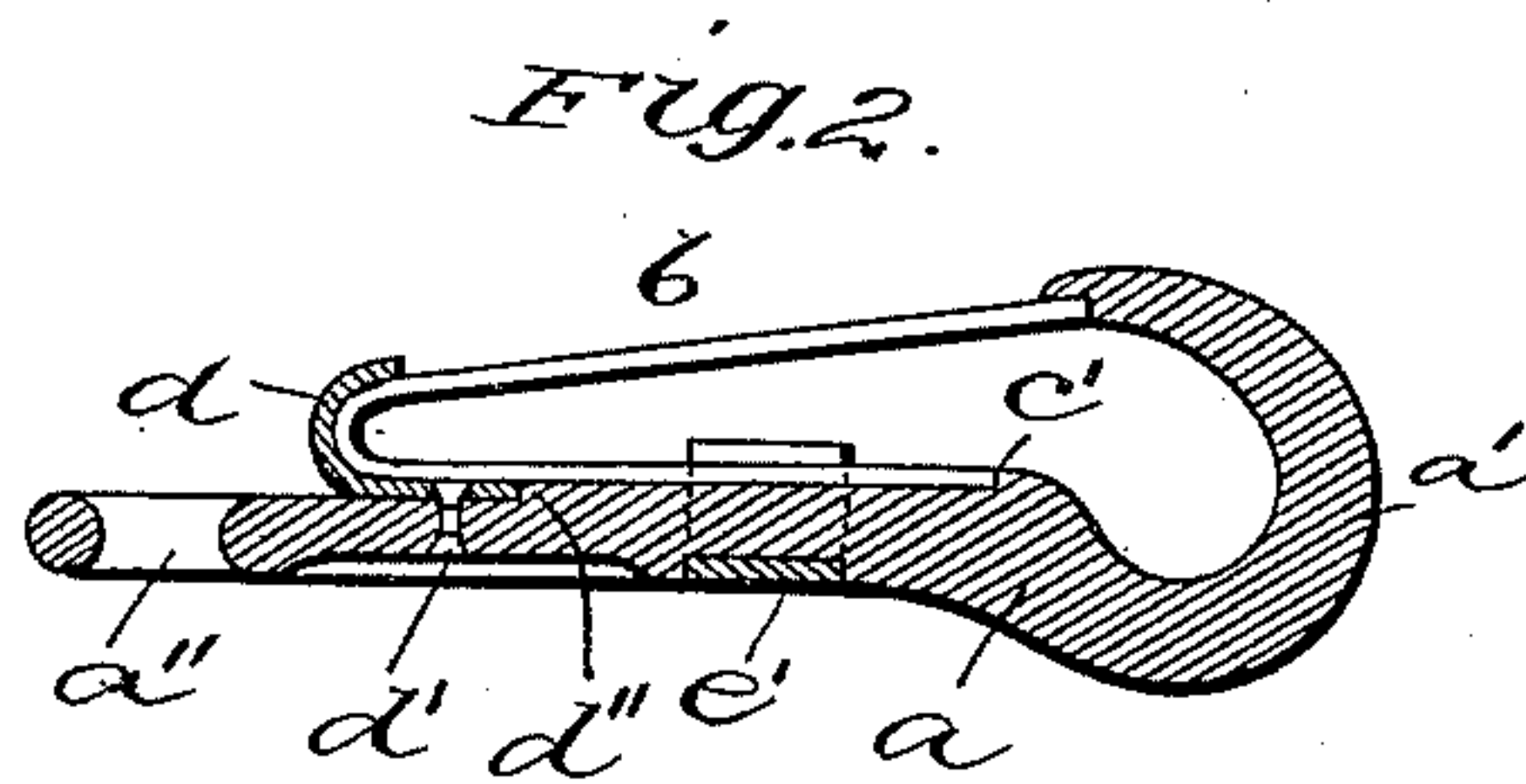
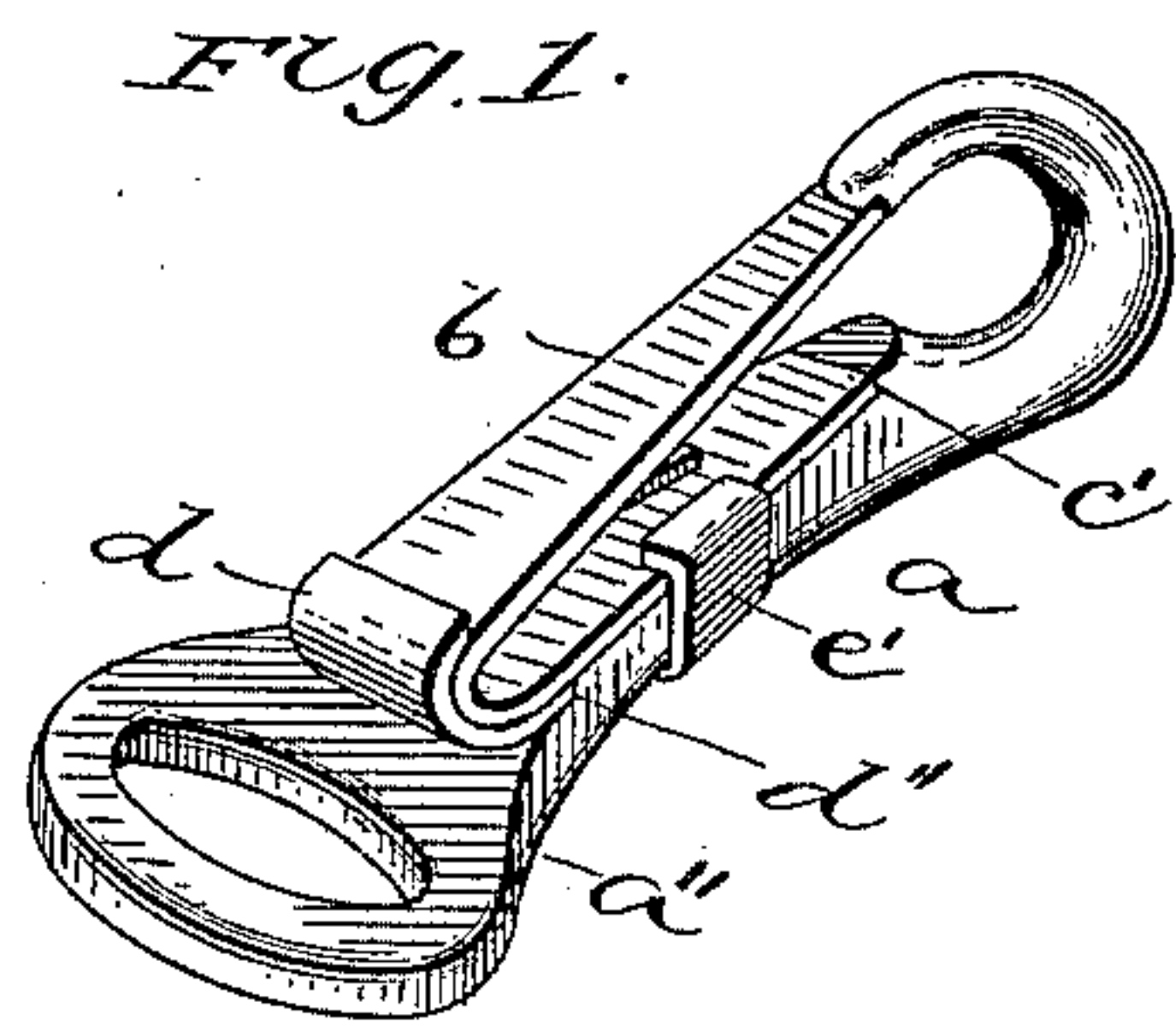


Fig. 4.

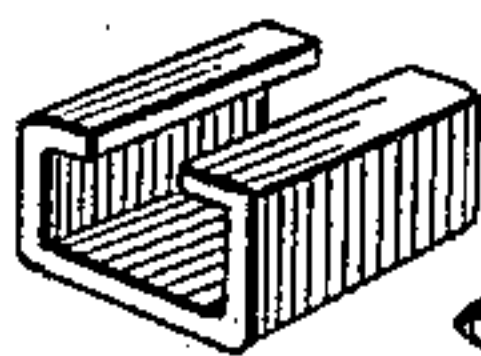


Fig. 5.



Witnesses  
W. R. Davis  
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Inventor  
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# UNITED STATES PATENT OFFICE.

ENOCH COVERT, OF FARMER VILLAGE, NEW YORK.

## SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 467,399, dated January 19, 1892.

Application filed August 21, 1891. Serial No. 403,375. (No model.)

*To all whom it may concern:*

Be it known that I, ENOCH COVERT, a citizen of the United States, residing at Farmer Village, in the county of Seneca and State of New York, have invented certain new and useful Improvements in Snap-Hooks, of which the following is a specification, reference being had therein to the accompanying drawings.

In the drawings, Figure 1 represents a perspective view of my improved snap-hook; Fig. 2, a longitudinal sectional view thereof, and Figs. 3, 4, and 5 detail views of some of the parts.

This invention has for its object the production of a snap-hook that shall be very simple and inexpensive and which shall also possess the desirable quality of durability; and it consists of certain novel features of construction that will be fully hereinafter described, and particularly pointed out in the claims.

In the drawings, *a* designates the body of the snap-hook, which is quite broad and flat, and which tapers toward its forward end and is there formed into an upturned hook *a'*, the rear widened end of the body being formed into a strap-loop *a''*. The spring *b* is formed of a single plate or bar of spring-steel bent double about midway its length—that is, into a C-shape—and properly tempered to render its two members elastic. The two members of the spring may be made of uniform width throughout, or they may be made slightly tapering toward their forward ends, as shown, to conform to the general shape of the body *a*, and the forward end of the upper member or leaf abuts against the shouldered end of the hook *a'*, as usual. The lower member of the spring is permanently and rigidly clamped down upon the flat plain upper face of the body *a* by means of a cuff or clip *e'*, and its forward end abuts squarely against a shoulder *c'* upon the forward end of the body, this shoulder being flush with the upper surface of the member. The clip *e'* consists of a metal strip clamped and bent around the body of the hook about midway the length of the same, its two ends being folded over upon the lower leaf of the spring. The body *a* is preferably provided with a notch or groove for the reception and retention of the clip, as shown most clearly in Fig. 2. Thus letting the clip into a groove serves to bring it flush

with the rounded under surface of the body and prevent endwise movement thereon. A rigid C-shaped socket or shoe *d* is riveted to the upper surface of the body *a* immediately under the rear rounded end *b'* of the spring, so as to closely embrace the said rounded end *b'*, the forward end of this shoe passing in under the lower leaf of the spring and abutting squarely against a transverse shoulder on the upper surface of the body, the securing-rivet *d'* passing down through the lower arm of the socket and the body, as shown in Fig. 2. The upper arm of the shoe extends over upon the upper leaf a short distance, as shown. The rigid shoe or socket holds the spring in place and also serves to protect and brace it at the point where it is most likely to become injured and broken. It is evident that this curved socket may be formed integral with the body, if desired, instead of riveting it thereon, as shown.

The spring, when secured as described, will be securely and rigidly held in place and will retain its elasticity a long time. It will be observed, also, that there are no recesses or depressions for the lodgment of dirt, ice, and snow, and that in consequence thereof the hook will be operative in all kinds of weather and will be less liable to injury.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a snap-hook, the combination of the body *a*, provided with a loop *a''* at its rear end and a hook *a'* at its forward end, the upper surface of this body being formed flat and provided with a flat shoulder *c'* at its forward end, and a metallic spring *b*, formed of a single plate of steel bent into C shape, the lower member of this spring being rigidly secured upon the upper flat surface of the body and having its forward end abutting against and coming flush with said shoulder *c'*, and its upper free member abutting under the end of the hook *a'*, as and for the purpose described.

2. In a snap-hook, the combination of a body *a*, provided with a hook *a'* at one end, a C-shaped ring *b*, having its lower member resting throughout its length upon the body *a* and its upper member abutting under the



end of the hook  $a'$ , and a metallic clip carried by the body  $a$  and having its ends bent down permanently over the lower member of the spring about midway the length of the same, substantially as described.

3. In a snap-hook, the combination of a body  $a$ , provided with a hook  $a'$  at its forward end and a loop  $a''$  at its rear end, said body having its upper side formed flat and provided with a shoulder  $c'$  at its forward end, a C-shaped spring having its upper member abutting against the hook  $a'$  and its lower member lying on the body  $a$  and abutting against the shoulder  $c'$ , and a cuff or clip  $e'$ , embracing the body about midway its length and having its ends bent down permanently upon the

lower member of the spring, substantially as described.

4. In a snap-hook, the combination of a body provided with a hook at its forward end, a metallic C-shaped spring having its lower member secured thereon and the free end of the upper member extended forward, and a shoe carried by the body and closely embracing the rear C-shaped end of the spring, substantially as described.

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

ENOCH COVERT.

Witnesses:

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