(No Model.)

H. OLSON.

SNAP HOOK.

No. 590,623. Patented Sept. 28, 1897.

Fig. 1.

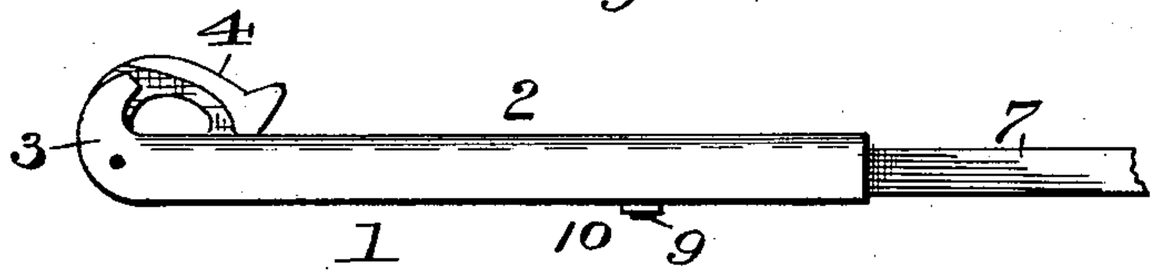


Fig. 2.

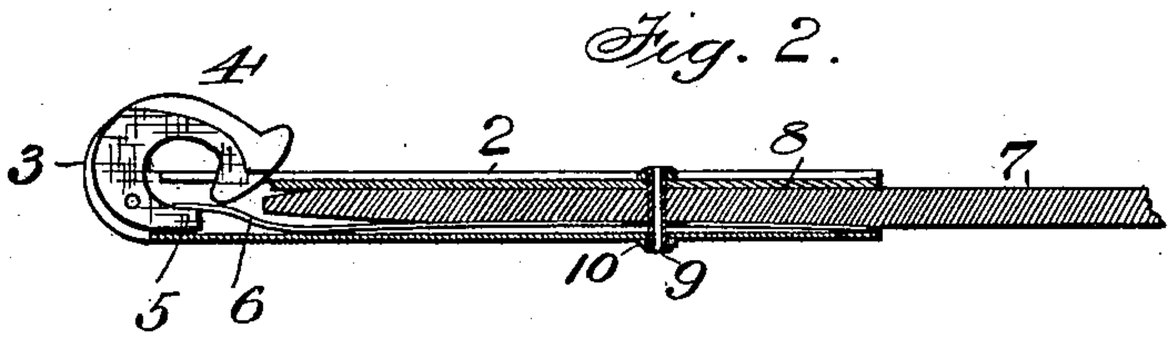


Fig. 3.

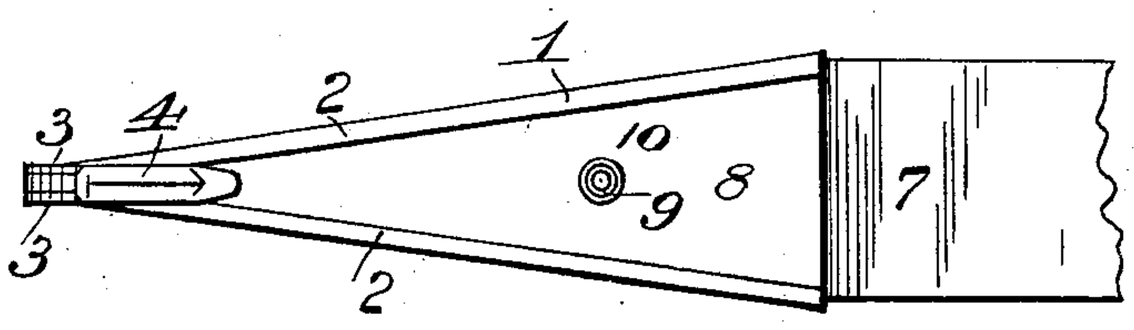
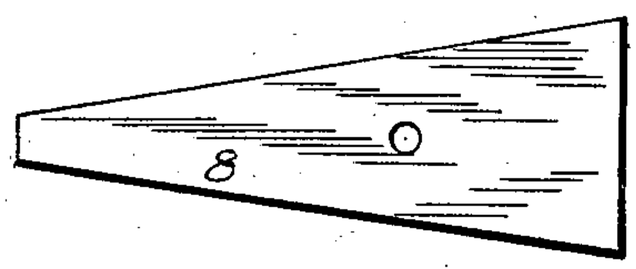


Fig. 4.



Witnesses:
F. L. Ouland.
Jos. L. Coombs

Inventor.
Håkan Olson,
by Sachs Dagger & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

HÅKAN OLSON, OF SOPERVILLE, ILLINOIS, ASSIGNOR OF ONE-HALF TO NELS PETTER CARLSON, OF SAME PLACE.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 590,623, dated September 28, 1897.

Application filed September 15, 1896. Serial No. 605,937. (No model.)

To all whom it may concern:

Be it known that I, HÅKAN OLSON, a citizen of the United States, and a resident of Soperville, in the county of Knox and State of Illinois, have invented certain new and useful Improvements in Snap-Hooks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to snap-hooks; and its object is to provide an improved construction of the same by which I obtain superior advantages with respect to efficiency in use.

The invention consists, essentially, in a triangular-shaped metal plate having its sides turned inwardly, forming flanges, and the outer ends slotted and turned or bent into a hook, a catch pivoted to said hook, and a spring secured to said plate and bearing against a shoulder on the catch, as hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a snap-hook constructed in accordance with my invention. Fig. 2 is a central longitudinal section of the same. Fig. 3 is a plan view. Fig. 4 is a plan view of the strengthening-plate removed.

In the said drawings the reference numeral 1 designates a triangular metallic plate having its sides to a point near the outer end bent upwardly and then inwardly, forming flanges 2. The outer end of this plate is bent or turned upwardly into a hook and slotted, forming two lugs 3. The said plate and hooks or lugs may be cast or made of sheet metal, as found most desirable or most convenient. Pivoted to these lugs is a catch 4, the outer end of which is curved or made into hook form, while the inner end is formed with a shoulder 5, against which abuts or bears the free end of a flat spring 6, the other end of which is secured to the plate 1.

The numeral 7 designates a strap, the end of which is made tapering, so as to correspond with the shape of plate 1. The tapered end of this strap engages between the flanges 2 and the plate 1, and interposed between the said flanges and strap is a triangular-shaped metal strengthening-plate 8, through which and the strap passes a tubular rivet 9, provided with washers 10, which are secured thereon by upsetting the metal of the rivet, which is made tubular and of soft metal for such purpose.

A snap-hook constructed as above can be readily and quickly secured to the strap, is simple and economical to manufacture, and by means of the plate 8, which rests between the strap and flanges 2 and secured by the rivet, the parts are strengthened so that they will withstand any strain to which they would ordinarily be subjected.

Having thus fully described my invention, what I claim is—

The combination with the triangular-shaped plate having its sides turned inwardly, forming flanges, and the end of said plate turned or curved upwardly and slotted forming two lugs, of the catch pivotally connected with said lugs formed with a shoulder at the inner end, the spring secured to said plate with its free end bearing on said shoulder, the tapering strap, the triangular-shaped strengthening-plate, the tubular rivet of soft metal passing through said strap and plates and the washers, substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

HÅKAN OLSON.

Witnesses:
H. E. OLSON,
ALFRED PETERSON.