(No Model.)

H. G. McLEAN.

SNAP HOOK.

No. 397,136. Patented Feb. 5, 1889.

Fig. 1.

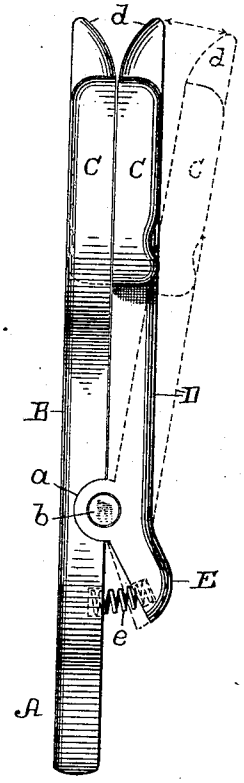
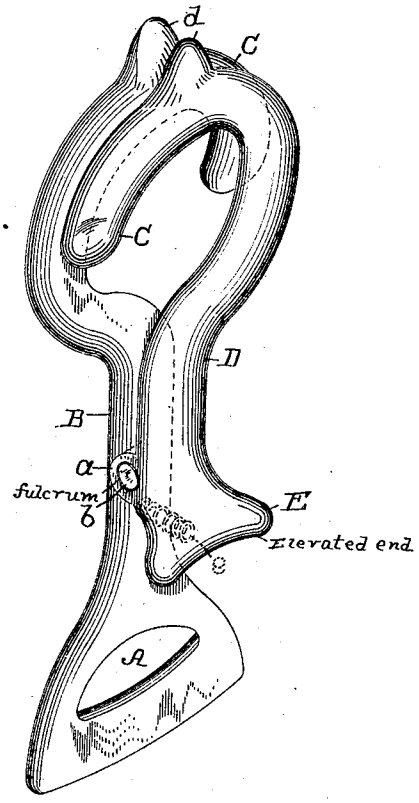


Fig. 2.



Witnesses
L. G. Fischer
A. Mason

Inventor
Horace G. McLean
By his Attorney J. C. Vigdon

UNITED STATES PATENT OFFICE.

HORACE G. McLEAN, OF McPHERSON, KANSAS.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 397,136, dated February 5, 1889.

Application filed June 21, 1888. Serial No. 277,803. (No model.)

To all whom it may concern:

Be it known that I, HORACE G. McLEAN, of McPherson, McPherson county, Kansas, have invented an Improvement in Snap-Hooks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to the class of snap-hooks having a movable jaw or lever pivoted to a main portion having an eye at one end and a jaw at the other; and it consists in the peculiar construction, combination, and arrangement of parts, hereinafter set forth, and pointed out in the claim.

In the drawings, which illustrate the manner of carrying out my invention, Figure 1 is an edge view of the device in a closed position. Fig. 2 is a perspective view of same.

The object of my invention is to make a snap-hook which will be cheap and simple in manufacture and possess great strength and durability.

A represents the eye or that part to which the strap or rein is connected, and B the shank or extension leading from the eye and terminating in a curve or jaw, C.

D indicates an arm or lever, also provided with a curve or jaw, C, at one end, such jaw being the reverse of but corresponding to the jaw upon shank B, so that when the lever D is in its normal position upon one side of said shank the two jaws will rest upon each other, as shown. The opposite end of lever D is provided with an elevated portion, E, which is located at an angle to the main body of said lever. Said lever D is provided with one or more hinge-lugs, *a*, upon its under side, and it is pivoted or fulcrumed to one face of shank B by means of pin or rivet *b*, passing through lugs *a*, so that when the end E is depressed the jaw carried by said lever will open in a plane at right angles to the flat side of the jaw carried by shank B, as indicated by dotted lines in Fig. 1. Beneath the elevated end E, and between it and shank B, I locate a small spiral spring, *e*, with its opposite ends in suitable sockets formed in said parts.

By depressing elevated end E of lever D the jaw C carried thereby will be opened, as indicated, while at the same time such movement of the lever will compress spring *e*. The jaws C C are provided with oppositely-located lugs *d d*, which are provided with oppositely-inclined surfaces upon their inner sides, so that said jaws will be forced apart by a ring or other device entering between said lugs.

In opening the lugs *d d* describe a line at right angles to the flat sides of the jaws C C.

Having thus described my invention, what I claim is—

In a snap-hook, the shank or body B, having eye A at one end and an open hook at the opposite end, lever D, provided with a hook at one end and with an outwardly-turned elevated portion, E, at the opposite end, and which has hinge lug or lugs *a* formed upon its inner side, said lever being pivoted to one side of shank B, so that the hook will open in a plane at right angles to the flat side of the jaw carried by the shank, pin *b*, which connects lug or lugs *a* to said shank, and spring *e*, located between elevated portion E and the shank of the hook, substantially as described.

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

HORACE G. McLEAN.

Witnesses:
JAMES D. BENNER,
JAMES B. DANAH.