

G. A. Brown

Straight Hook.

N^o. 104,702

Patented Jun. 28, 1870.

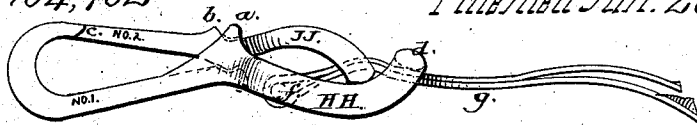


Fig. 1.

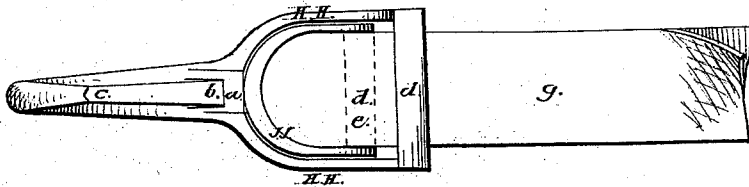


Fig. 2.



Fig. 3.

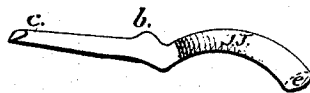


Fig. 4.

Witnesses
Geo. W. Buck
Ben. G. Brown

Inventor:
George A. Brown

United States Patent Office.

GEORGE A. BROWN, OF KALAMAZOO, MICHIGAN.

Letters Patent No. 104,702, dated June 28, 1870.

IMPROVED SNAP-HOOK.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, GEORGE A. BROWN, of Kalamazoo, in the county of Kalamazoo and the State of Michigan, have invented a new and improved "Snap," to be used on harnesses, &c.; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and the letters of reference marked thereon.

The nature of my invention consists in providing for harnesses, &c., a "snap," constructed of malleable iron, or other metallic substance, having no spring, but holding the ring, or that into which it is caught, tightly and securely by lever power.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my snap of two parts, of malleable iron, or other metallic substance, as in Figures 3 and 4.

No. 1, or Figure 3, is, from the cross-bar *a*, similar to an ordinary snap, *i. e.*, the front part.

The back part, dividing into two pieces at or about the cross-bar *a*, is connected at the extremities by the cross-bar *d*, and between the cross-bars *a* and *d* is the cross-bar *f*.

No. 1 takes a convex form from *a* to *d*, the concavity being upward.

No. 2, or Figure 4, from the projection *b* forward,

occupies the place of the spring in an ordinary snap, and is lettered *c*.

Beyond the projection *b*, or toward the back end of the snap, the lever *c* divides, and is connected at the extremities by cross-bar *e*. (*Vide* Figure 2.)

No. 1, being where it divides a little larger than No. 2, No. 2 easily slips between the sides of No. 1; and the lever *c* being pushed under cross-bar *a*, a blow of a hammer upon *a* (cross-bar) sets it (No. 2) down, and the projection *b* of No. 2 is beyond cross-bar *a*. (*Vide* Figure 1.)

The strap is then introduced thus:

Attach it securely to cross-bar *f* of No. 1, put it over cross-bar *e* of No. 2, and under cross-bar *d* of No. 1. (*Vide* fig. 1.)

Taking hold of the extremity of the strap, a slight pull closes the opening of Nos. 1 and 2. Press down the lever *c*; and the snap is opened again.

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

The lever *c*, projection *b*, and the cross-bars *a*, *f*, *e*, and *d*, when constructed and arranged, without a spring, substantially as herein set forth and described.

GEORGE A. BROWN.

Witnesses:

D. T. SAPP,

B. G. BROWN.