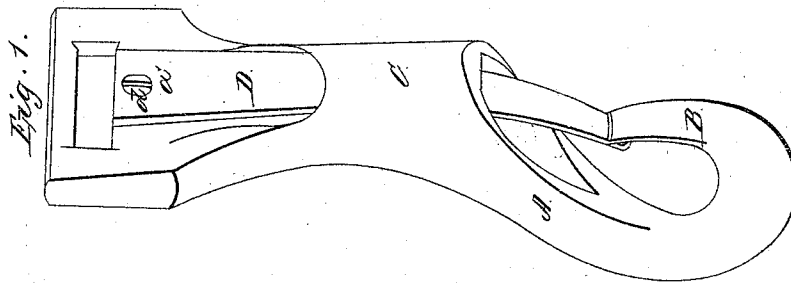
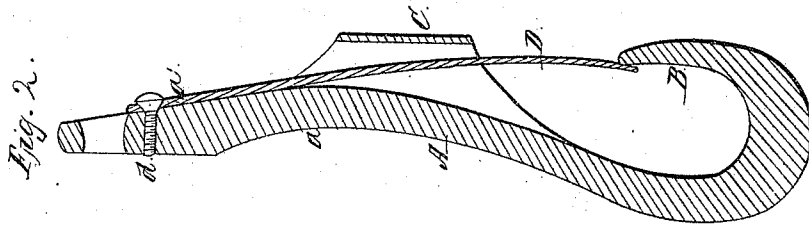


G. R. DUNN.  
SNAP HOOK.

No. 42,357.

Patented Apr. 19, 1864.



Witnesses:  
Charles DuBois  
R. A. Mayhew

Inventor:  
G. R. Dunn  
By Munroe  
Atty

# UNITED STATES PATENT OFFICE.

GEORGE R. DUNN, OF NEWARK, NEW JERSEY.

## SNAP-HOOK.

Specification forming part of Letters Patent No. 42,357, dated April 19, 1864.

*To all whom it may concern:*

Be it known that I, GEORGE R. DUNN, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Snap-Hooks; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved snap-hook on an enlarged scale. Fig. 2 is a central longitudinal section of the same.

Similar letters of reference indicate corresponding parts in the two figures.

This invention relates to a snap-hook of peculiar construction, which, besides being in itself of a more durable character than snap-hooks heretofore devised, is adapted to be converted at a very trifling cost into a new article when the spring has become unserviceable by wear or accident, as will be explained.

In order that others skilled in the art to which my invention appertains may be enabled to fully understand and use the same, I will proceed to describe its construction and operation.

In the accompanying drawings, A may represent the main body of the snap-hook, which in general outline of form may coincide with the hook in common use—that is to say, the body is curved in customary manner, as shown at *a*, in order that the spring D when secured in position will be pressed against the nose B.

C represents the central portion of my improved hook, the same being made hollow, as shown at *c*, for the purpose to be explained.

The spring D may be formed of a narrow strip of steel perforated at one end, so as to adapt it to be fastened to the flat end *a'* of the body A by means of a screw, *d*, for the reception of which a suitable screw-threaded aperture is made in the flat end *a'*.

The spring D passes through the aperture *c* in the cylindrical portion C, said aperture being sufficiently large to permit the requisite movement of the spring when the hook is to be hitched or unhitched. Snap-hooks as hitherto constructed are frequently rendered totally useless in consequence of the spring becoming deranged by a lateral pull or strain. In my invention the cylindrical casing C serves to brace the spring D, and thereby prevent it from being broken, or from becoming deranged by being turned laterally upon the screw *d*, by which it is attached to the body A.

The manner described of attaching the spring is at once simple and effectual. When the spring has once been thus secured the screw, without the aid of any accessory device, will be sufficient to retain it until the spring becomes useless by service or accident. My invention also adapts the spring D to be readily replaced by a new one when it has become worn or broken, and thus the most valuable part of the implement is preserved and made use of.

A snap-hook of the above construction is not only valuable on account of its lasting property, but possesses the additional desideratum of being adapted to be made a new article of, every now and then.

Having thus described my invention, the following is what I claim as new and desire to secure by Letters Patent:

As a new article of manufacture, the snap-hook hereinbefore described, consisting of a cast metal body, A, a detachable spring, D, secured by a screw, *d*, and passing through and protected by the socket C, all constructed and arranged as specified.

GEORGE R. DUNN.

Witnesses:

JOHN BENSON,  
ROBERT LANG.