J. C. COVERT.

Snap-Hooks.

No. 143,332. Patented September 30, 1873.

Fig 1

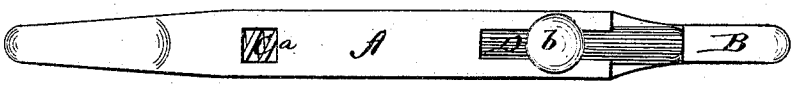
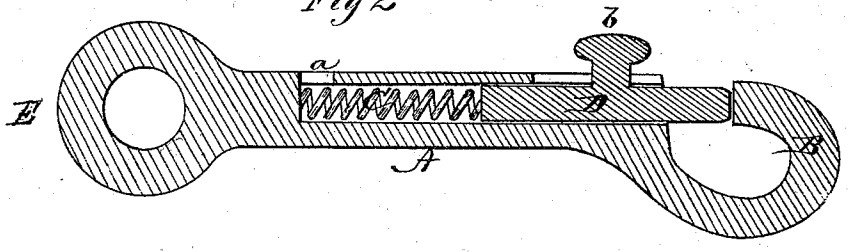


Fig 2



Witness:
Franck L. Durand
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Inventor.
James C. Covert
per Alexander Mason
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A.M. PHOTO-LITHOGRAPHIC Co. N.Y. (ORANGE'S PROCESS)

UNITED STATES PATENT OFFICE.

JAMES C. COVERT, OF FARMER VILLAGE, NEW YORK.

IMPROVEMENT IN SNAP-HOOKS.

Specification forming part of Letters Patent No. **143,332**, dated September 30, 1873; application filed October 26, 1872.

To all whom it may concern:

Be it known that I, JAMES C. COVERT, of Farmer Village, in the county of Seneca and in the State of New York, have invented certain new and useful Improvements in Snap-Hooks; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My present invention is intended as an improvement upon the snap-hook for which Letters Patent were granted to me February 25, 1868; and it consists in the construction of the snap-hook, as hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view, and Fig. 2 a longitudinal section, of my snap-hook.

A represents the shank of a snap-hook cast in one piece, with the hook B at one end and the link E at the other end. The hook B and link E are solid, and are formed with the shank A, and all of malleable iron. Through the shank A, from the end opposite the hook B to near the other end of the shank, is a hole for the reception of the spring C and bolt D. The body A B E of the snap-hook is cast in a pattern with a core for forming the tube for the reception of the spring and bolt. An aperture or vent, *a*, is left either in the face of the tube or at the end of the same, which allows a support for the core, and prevents the metal from "blowing" when the hot metal is poured into the pattern. This opening also forms an outlet for the water and dirt after the snap-hook is finished and in use. The bolt D has a pin or button, *b*, cast with it, as shown in Fig. 2, which projects through a slot in the shank, by means of which the bolt is moved inward, compressing the spring. The shank being cast of malleable iron the spring and bolt are dropped into the hole, and the hook B then bent into proper shape, which prevents the bolt from coming out.

By this mode of construction of the shank A I dispense with the covering-plate used in my former patent, whereby it can be manufactured cheaper, and at the same time be much stronger and durable, as there is no extra piece to work loose, which is sometimes the case with the covering-plate above mentioned.

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

A snap-hook composed of the tubular shank A, solid hook B, and link E, cast in one piece, and provided with an opening, *a*, the spring C, bolt D, and button *b*, working in an open-end slot in the face of the tube, all constructed substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 25th day of October, 1872.

JAMES C. COVERT.

Witnesses:

RD. A. HYDE,

HARRY C. SCOTT.