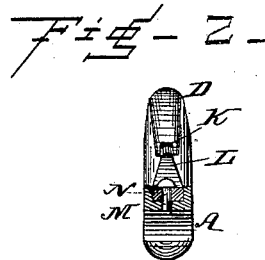
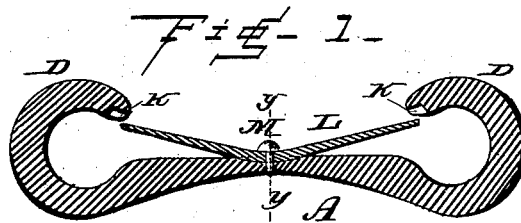


(No Model.)

J. H. FARMER.
SNAP HOOK.

No. 307,280.

Patented Oct. 28, 1884.



WITNESSES:

Fred. L. Dieterich.
Wm. Bagger

INVENTOR.

James H. Farmer,
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES H. FARMER, OF RUSSELL, KENTUCKY.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 307,280, dated October 28, 1884.

Application filed May 22, 1884. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. FARMER, a citizen of the United States, and a resident of Russell, in the county of Greenup and State of Kentucky, 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, and in which—

Figure 1 is a longitudinal vertical sectional view of my improved double snap-hook; and Fig. 2 is a cross-section, on line *yy*, of the same.

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

My invention has relation to that class of snap-hooks having a hook at each end; and it consists in the detailed construction and combination of parts of such a double hook, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the shank or body of the hook, having two hooks, D D—one at each end—the ends of which hooks are bent toward each other and have recesses K upon their inner sides. A flat spring, L, having its ends bent outward, is secured at its middle in a recess, N, in the middle of the body by means of a rivet, M, and the outwardly-bent ends of the spring fit in the recesses in the ends of the hooks, closing the mouths of the hooks and preventing the ends of the spring from being displaced from their positions, while the sides of the recess in the body serve to retain the spring in its position parallel to the shank of the hook, preventing it from being turned upon the same.

It will be seen that the hook may be inserted into links of a chain or into rings by depress-

ing the ends of the spring, and that by depressing the ends of the spring the said links may be removed from the hooks, thus rendering the hook particularly useful for temporarily repairing chains or connecting sections of chain and for similar objects. It will also be seen that the spring, which is a flat piece of steel or other suitable metal, is bent or shaped, as shown in the drawings, by riveting its middle down into the recess N in the middle of the body of the hook, so that its free ends will be forced up into the recessed ends of the hooks with considerable pressure, which would not be the case if the spring were fastened in its flat or straight form upon the middle of the hook instead of being forced into it.

I am aware that it is not new to have snap-hooks provided with a hook at each end; and I am also aware that it is not new to have the end of a spring secured to the shank of a snap-hook and bearing with its free end against the free end of the hook, and I do not wish to claim such construction, broadly; but

I claim—

The combination of the shank having a recess at its middle, and having an inwardly-bent hook at each end provided with a recess in the inner side of its end, with the flat bent spring secured by a rivet at its middle in the recess in the middle of the body, and having its ends bearing in the recesses in the ends of the hooks, substantially as and for the purpose shown and set forth.

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

JAMES H. FARMER.

Witnesses:

M. HALLORAN,
J. H. NIXON.