

(No Model.)

A. S. HENN.
Snap Hook.

No. 229,885.

Patented July 13, 1880.

Fig. 1

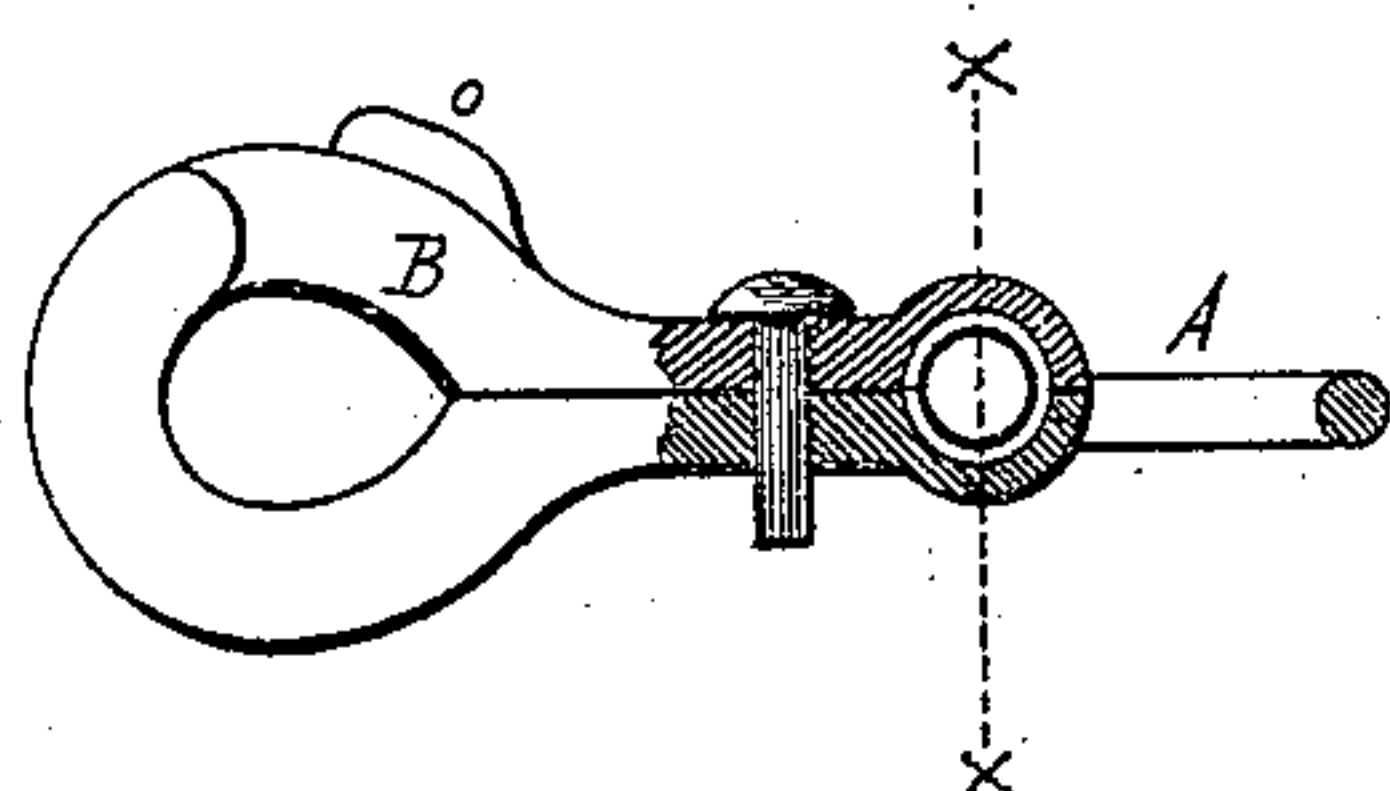


Fig. 2

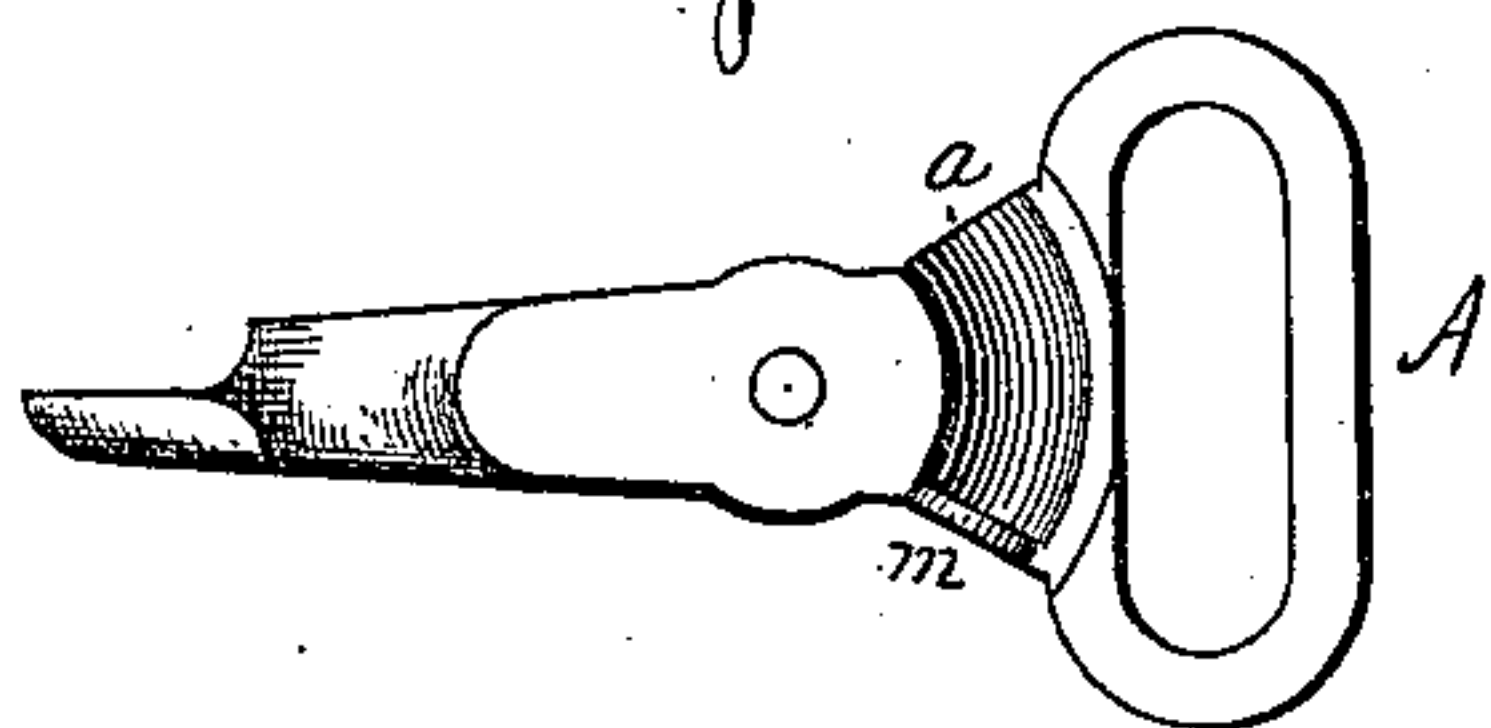


Fig. 3.

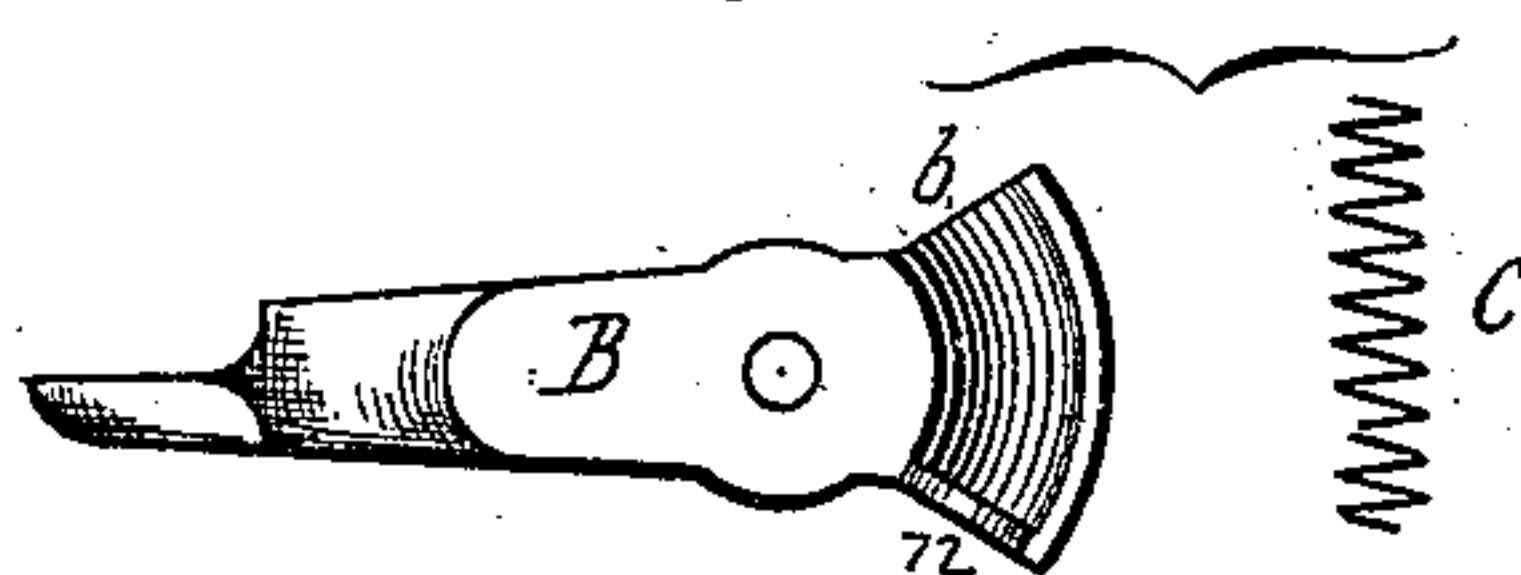


Fig. 4



Witnesses
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ALFRED S. HENN, OF NEW HAVEN, CONNECTICUT.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 229,885, dated July 13, 1880.

Application filed April 21, 1880. (No model.)

To all whom it may concern:

Be it known that I, ALFRED S. HENN, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Snap-Hooks, of which the following is a specification.

My invention relates to snap-hooks; and the improvements consist in making the front ends of both body and tongue curved and overlapping each other, and so that a cross-section of the overlapping ends shall approach a semicircle in form; also, in making a transverse semicircular and curved groove in both the body and tongue to inclose the springs, as hereinafter more fully set forth and claimed.

In the drawings, which I hereby make a part of the specification, Figure 1 is a view of the hook, partly in section, showing the space occupied by the spring. Fig. 2 is a view of the body, and Fig. 3 a view of the tongue of the hook, reversed in respect to the body, as shown in Fig. 2. Fig. 4 is a cross section in the direction of the broken line *xx* in Fig. 1, showing the spring in position.

To enable others to make and use my improved hook, I will describe it in detail.

The body A has its front end made in the form shown in Fig. 1. Near the loop a transverse curved and semicircular groove, *a*, is formed, extending nearly across the hook. At the end of the groove the rest *m* is formed and projects, the projection being semicircular in form to fit into the groove in the tongue.

The tongue B has its front end made as

shown in Fig. 3, and is fastened to the body by a screw or rivet, on which it turns. A transverse curved and semicircular groove, *b*, is formed on its end, and extends nearly across the tongue. At the end of the groove the rest *n* is formed and projects, the projection being semicircular in form to fit the groove in the body of the hook.

The spiral spring C is inclosed in the grooves in the body and tongue, one end coming against the rest *m* and the other against the rest *n*.

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

The improved snap-hook herein described, consisting, essentially, of the body A, having its front end overlapping the front end of the tongue, also having the transverse semicircular and curved groove *a*, made in a plane parallel with the plane of the loop and rest *m*, of the tongue B, having its front end overlapping the front end of the body of the hook, also having the transverse semicircular and curved groove *b*, made in a plane parallel with the plane of the loop and rest *n*, and of the spiral spring C, inclosed in the grooves *a* and *b* between the rests *m* and *n*, and arranged in the same plane with the loop, the front overlapping ends being formed as shown, substantially as set forth.

ALFRED S. HENN.

Witnesses:

GEORGE TERRY,

GEORGE P. SALISBURY.