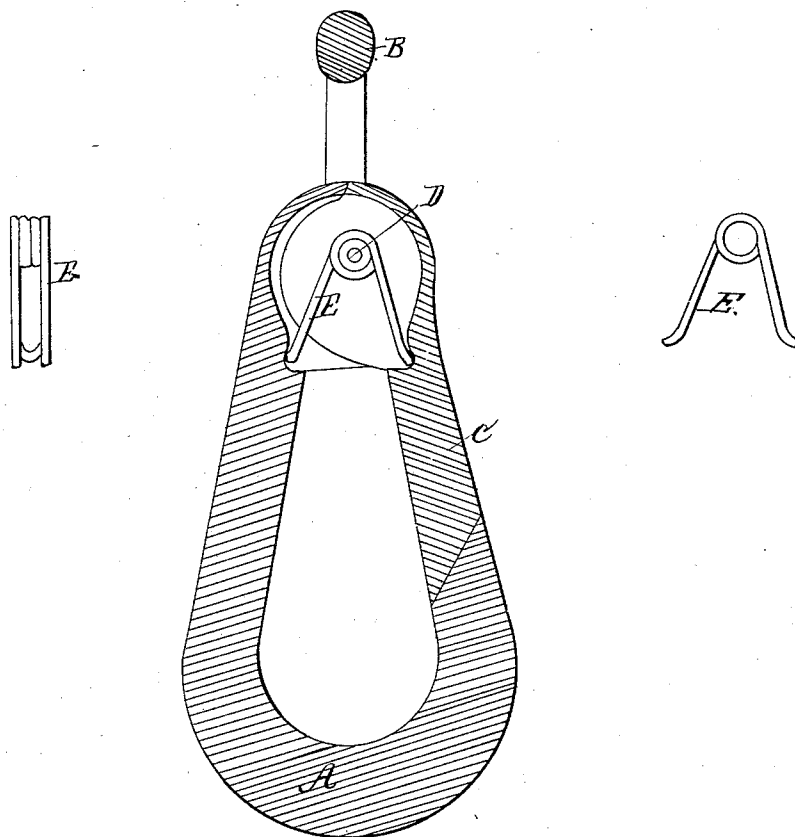


O. S. Judd,
Snay Hook,
N^o 45,414. Patented Dec. 13, 1864.

Fig: 1



Witnesses

*Ernest
Jenny W. Bliss*

Inventor

Oliver S. Judd

UNITED STATES PATENT OFFICE.

OLIVER S. JUDD, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN SNAP-HOOKS.

Specification forming part of Letters Patent No. 45,414, dated December 13, 1864.

To all whom it may concern:

Be it known that I, OLIVER S. JUDD, of New Britain, county of Hartford, and State of Connecticut, have invented certain new and useful additional Improvements in Snap-Hooks, (patented August 25, 1863;) and I do hereby declare that the same is described and represented in the following specification and drawing; and to enable others skilled in the art to make and use, I will proceed to describe its construction by referring to the drawings, in which the same letters indicate like parts in each of the figures, the nature of which will be fully understood from the following specification and drawing.

Figure 1 is a side elevation.

A is the hook. B is the loop by which it is secured to a strap. C is a latch which secures the opening into the hook. D is a hinge formed at the junction of the hook with the loop in which the latch is secured. E is a (semi-elliptic) spring to hold the latch in a closed position, and differs from the one shown in my former patent, above referred to, in two re-

spects—viz., it is made of wire and in spiral form, the outer ends, of which extend outward a suitable length and take their bearing, respectively, against the recess of the hook and the latch, as in the former case. While the spiral portion is placed over the hinge-pin, this spring may be placed within the recess of the hook and latch without being placed over the joint-pin; but the manner as shown is believed to be the most practical and best. This mode of making the spring is cheaper, less liable to break or get out of order.

What I claim, therefore, and desire to secure by Letters Patent, is—

The employment of the spirally-formed spring E, in combination with the hook A and latch C when fitted into properly-formed recess inside of said hook and latch, in the manner and for the purpose substantially as described.

OLIVER S. JUDD.

Witnesses:

E. W. BLISS,
JEREMY W. BLISS.