

J. SPUCK.  
Snap-Hooks.

No. 220,313.

Patented Oct. 7, 1879.

FIG. 1.

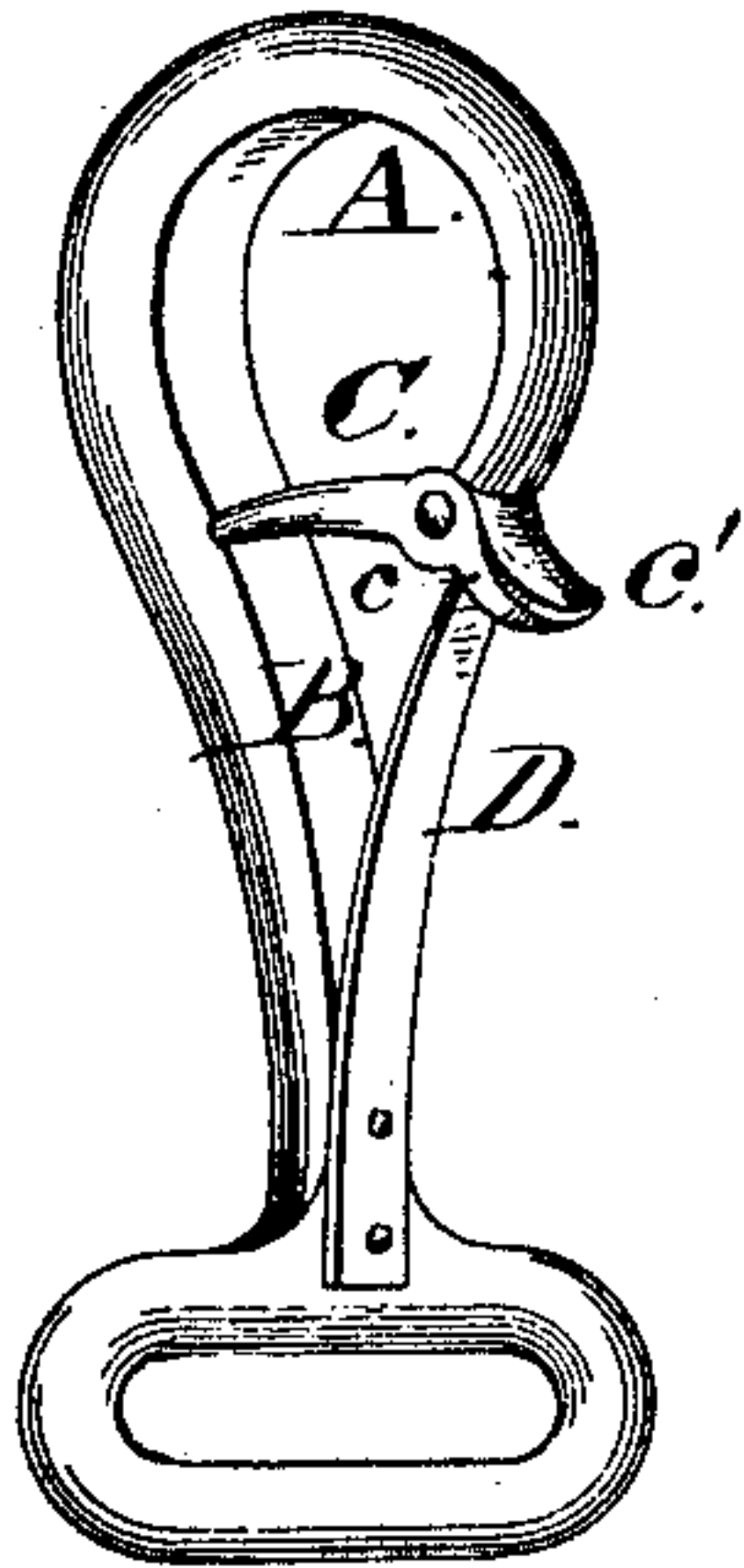
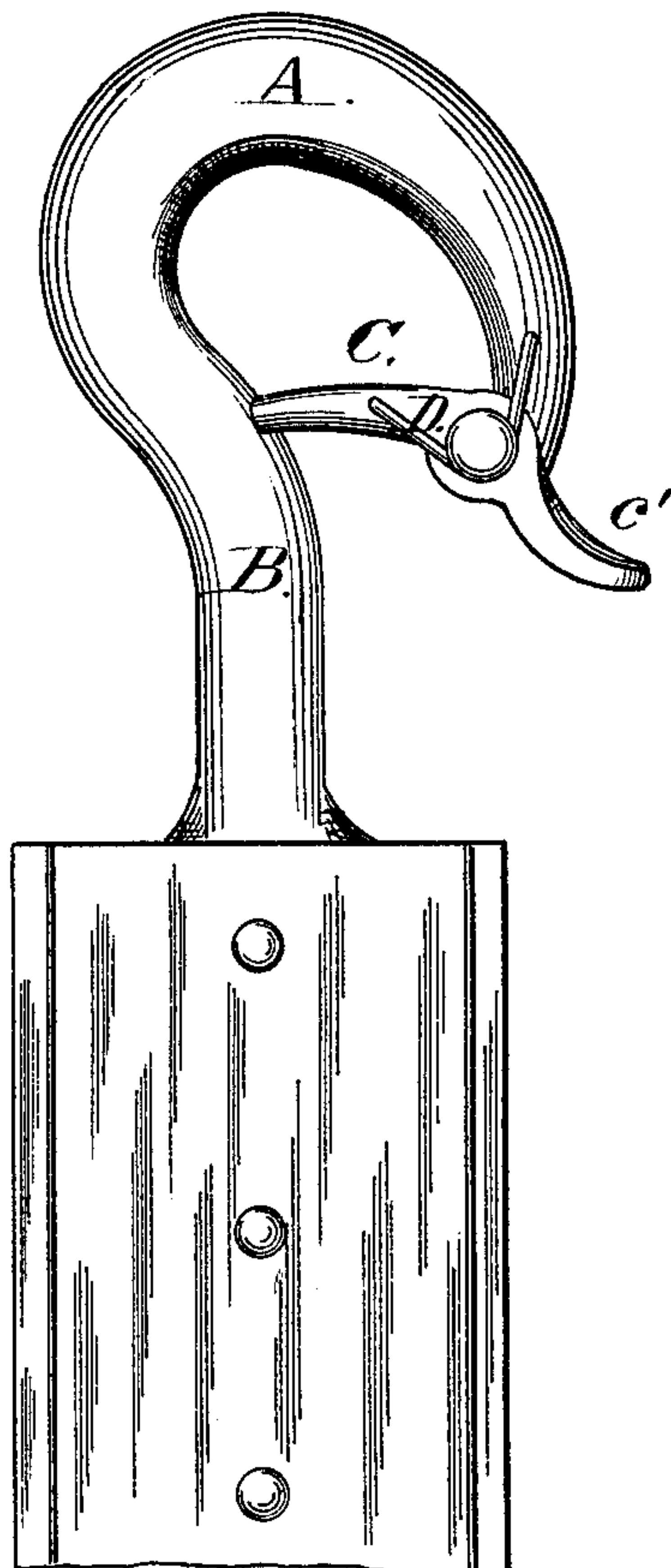


FIG. 2.



ATTEST.

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## IMPROVEMENT IN SNAP-HOOKS.

Specification forming part of Letters Patent No. **220,313**, dated October 7, 1879; application filed August 16, 1877.

*To all whom it may concern:*

Be it known that I, JOHN SPUCK, of the city of St. Louis, and State of Missouri, have invented certain new and useful Improvements in Snap-Hooks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention consists in the combination, with the hook, of a hinged latch-plate pivoted to the point of the hook, and having a shoulder and thumb-piece and a spring resting against the shoulder, as hereinafter fully described.

In the drawings, Figure 1 is a perspective view of a snap-hook containing my improvement. Fig. 2 is a side view of a modification showing a spiral spring.

A is hook proper, with a shank, B, formed for engagement with a tug or other strap by means of a plate or eye, or by any other suitable means. C is a latch-bar, hinged to the point of the hook, and arranged for its point to rest against the shank, as shown in Fig. 1, so as to prevent the escape of the hook from any object with which it may be engaged. *c* is a shoulder or offset on the hook, against which engages the point of the spring D, the spring acting to hold the latch-pin in the position shown, but allowing its point to be moved away from shank, so as to admit a link or ring into engagement upon the hook.

The latch may be pushed inward either by

the pressure of the opening link upon its outer side or by pressure against the thumb-piece or knob *c'*.

I have shown a flat spring in Fig. 1; but a spiral spring, as shown in Fig. 2, would answer the same purpose, said spring surrounding the pivot-pin of the latch and its ends engaging, respectively, with the hook and latch.

In engaging a ring or link with the hook, when constructed as shown in Fig. 1, the object is first pressed upon the spring D and made to pass between the spring and the latch, and then between the point of the latch and the shank.

When a spiral spring is used, as shown in Fig. 2, the entering link does not come in contact with the spring.

This snap may be made of any suitable size and material, and used in various places in harness and for other purposes.

It will be understood that the pressure of the spring D is outward upon the shoulder *c*.

I claim as my invention—

The combination of the hook A, hinged latch-plate C, pivoted to the point of the hook and having the shoulder *c* and thumb-piece *c'*, and the spring D, resting against the shoulder *c*, substantially as set forth.

JOHN SPUCK.

Witnesses:

SAML. KNIGHT,  
CHAS. HALL.