

(No Model.)

J. LETCHWORTH.

SNAP HOOK.

No. 375,554.

Patented Dec. 27, 1887.

Fig. 1.

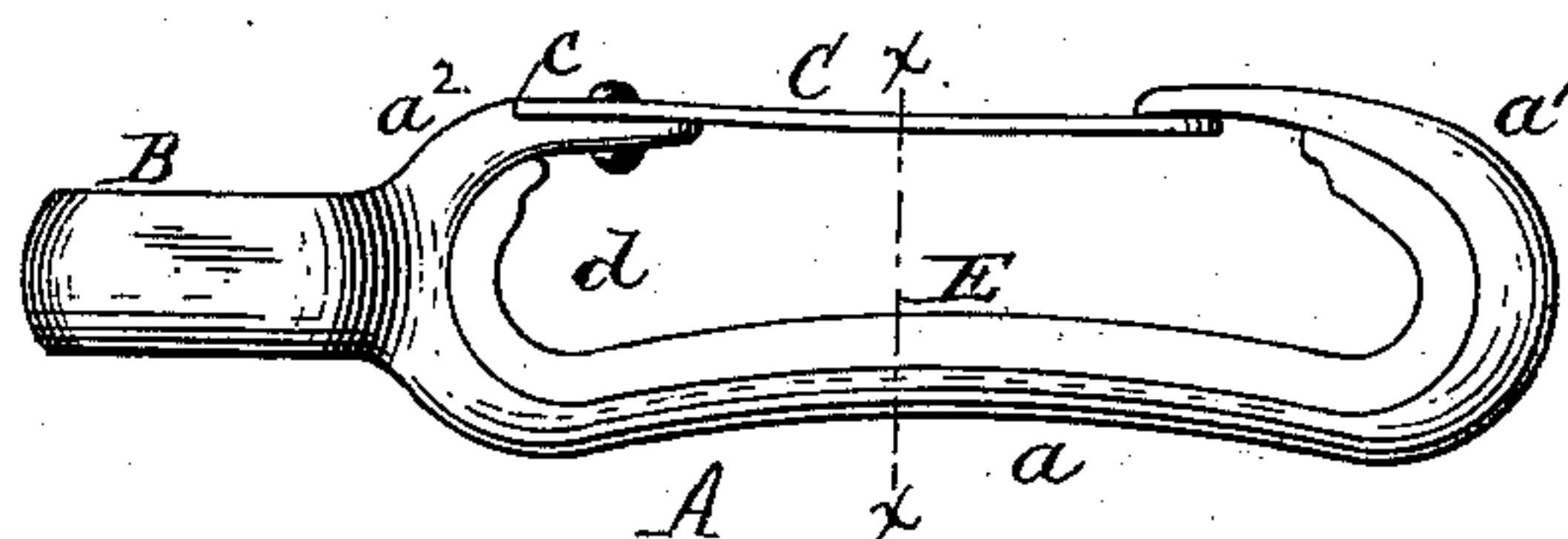


Fig. 2.

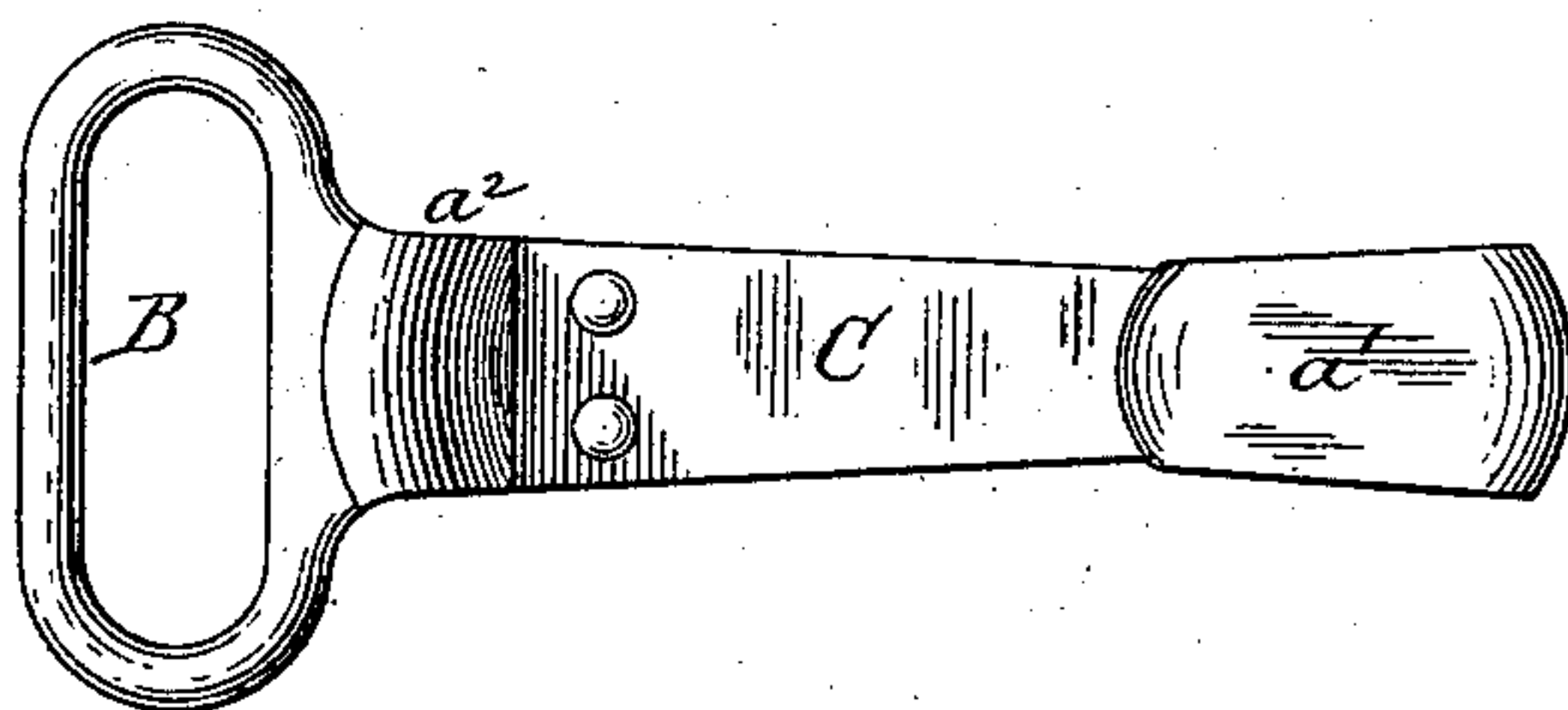


Fig. 3.

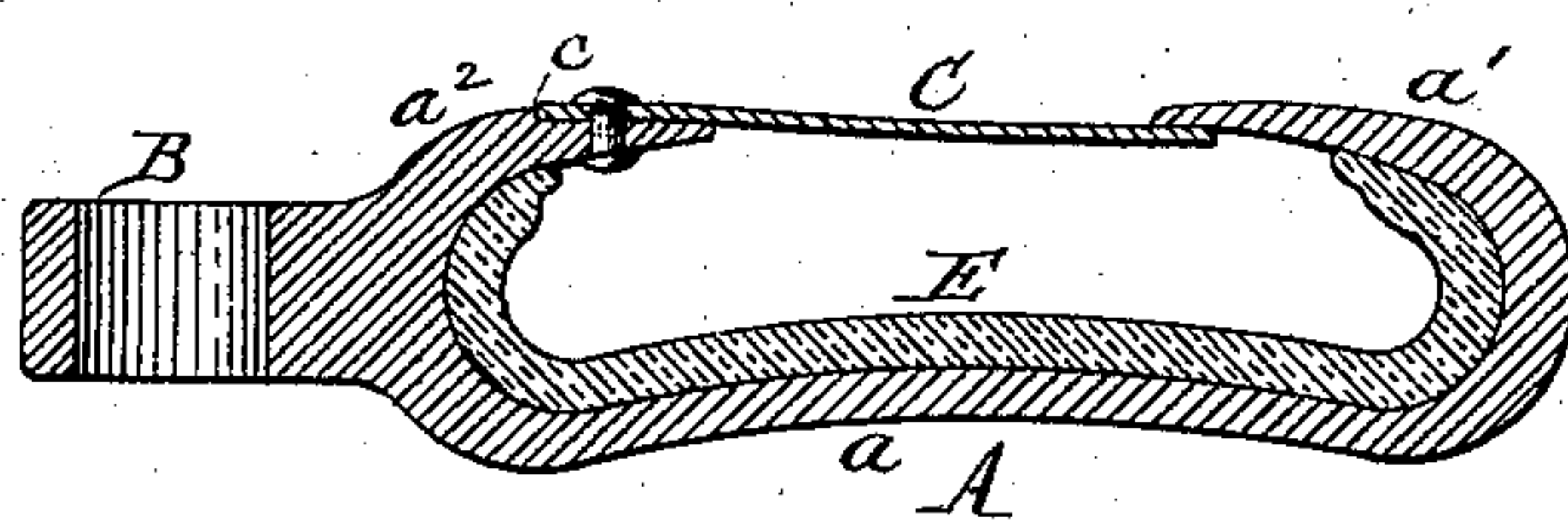
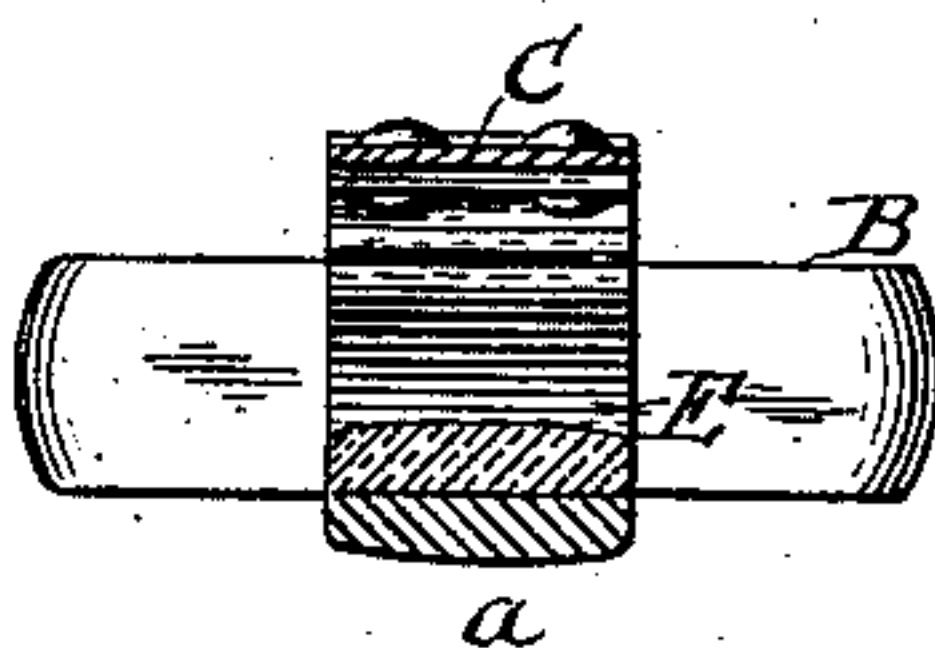


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSIAH LETCHWORTH, OF BUFFALO, NEW YORK.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 375,554, dated December 27, 1887.

Application filed May 18, 1887. Serial No. 238,595. (No model.)

To all whom it may concern:

Be it known that I, JOSIAH LETCHWORTH, of the city of Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Snap-Hooks, of which the following is a specification.

The object of this invention is to produce a snap-hook which will be simple in construction and durable, and to provide the body of the hook with a lining of leather or other suitable material to furnish a noiseless snap-hook.

The invention consists of the improvements which will be hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 represents a side elevation of my improved snap-hook. Fig. 2 is a top plan view thereof. Fig. 3 is a longitudinal vertical section. Fig. 4 is a vertical cross-section in line $x x$, Fig. 1.

Like letters of reference refer to like parts in the several figures.

A represents the body of my improved snap-hook, which is composed of a back or bottom portion, a , having its ends bent or curved upwardly and inwardly to form hooks $a' a^2$.

B represents a loop formed on the outer side of the vertical portion of the hook a^2 and adapted to receive the end of a strap.

C represents a flat spring, having one of its ends seated in a recess, c , formed on the upper side of the hook a^2 , and secured thereto by any suitable means. The opposite end of the spring C rests against the under side of the inwardly-projecting end of the hook a' . The spring C extends parallel, or nearly so, with the bottom portion, a , of the hook, and the inner curved end, a^2 , forms a recess or space, d , between the inner end of the spring and the

bottom portion, a . This construction permits a harness-ring or other fastening secured in the hook to slide freely between the vertical curved ends $a' a^2$ of the hook without danger of breakage to the spring.

E represents a lining or facing of leather, rubber, or other suitable material secured to the inner side of the bottom portion, a , and extending upwardly and around the inner curved faces of the end portions, $a' a^2$. The lining or facing E is secured to the body A by cement or other suitable means.

When the hook A is attached to a plated harness-trimming or bit-ring, the lining or facing E protects the plating from being marred or disfigured by the wear of the hook against the plating, as the lining forms a smooth and flexible bearing-surface or facing for the hook and renders the hook noiseless.

I claim as my invention—

The combination, with a snap-hook composed of a bottom portion, a , provided with two upwardly and inwardly curved end portions, $a' a^2$, a spring, C, connecting the inwardly-curved ends of the end portions, $a' a^2$, and a loop, B, formed on the outer side of one of the end portions, of a lining, E, of leather or other suitable material, secured to the inner side of the bottom portion, a , and extending upward and around the inner curved faces of the end portions, $a' a^2$, substantially as set forth.

Witness my hand this 22d day of April, 1887.

JOSIAH LETCHWORTH.

Witnesses:

LYMAN HUBBELL,
S. C. ADAMS.