

(No Model.)

J. M. BASINGER.

SNAP HOOK.

No. 356,268.

Patented Jan. 18, 1887.

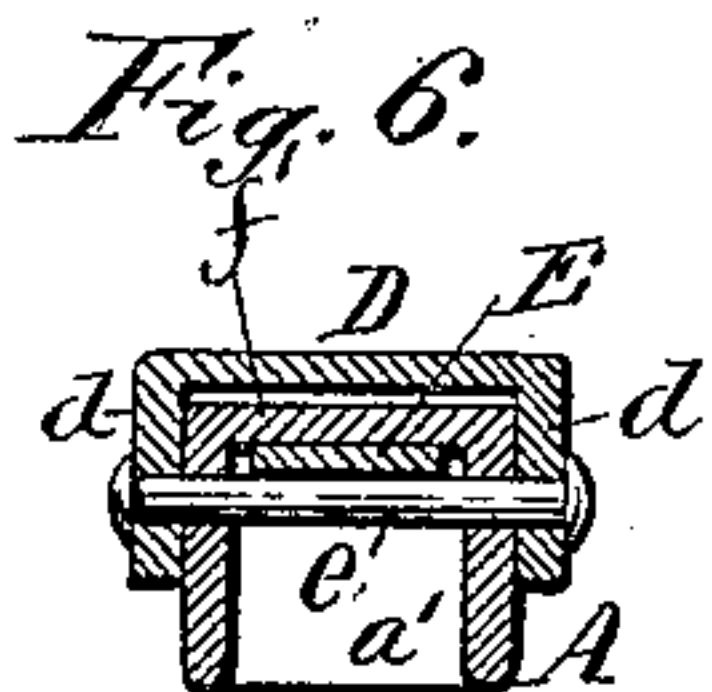
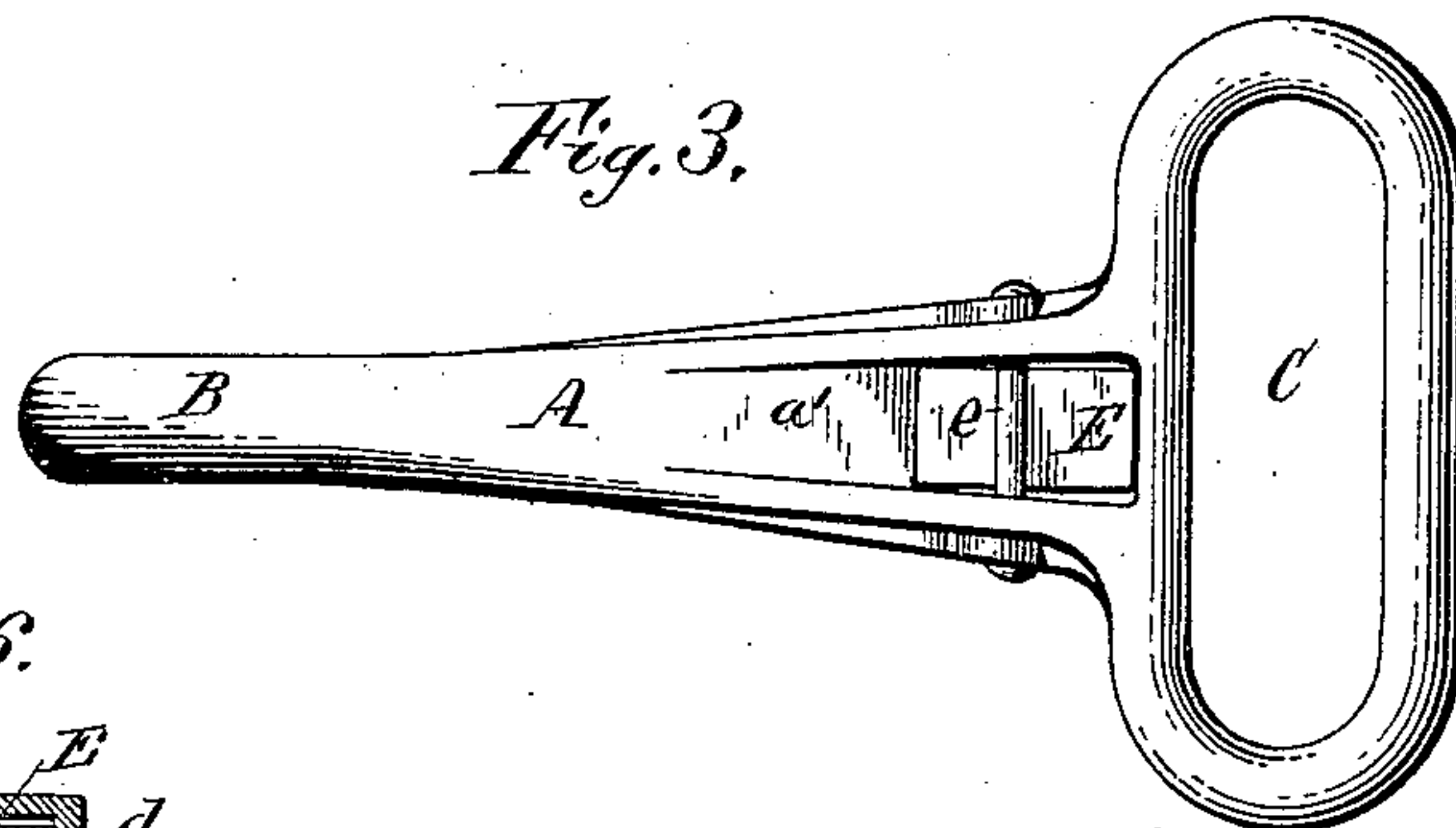
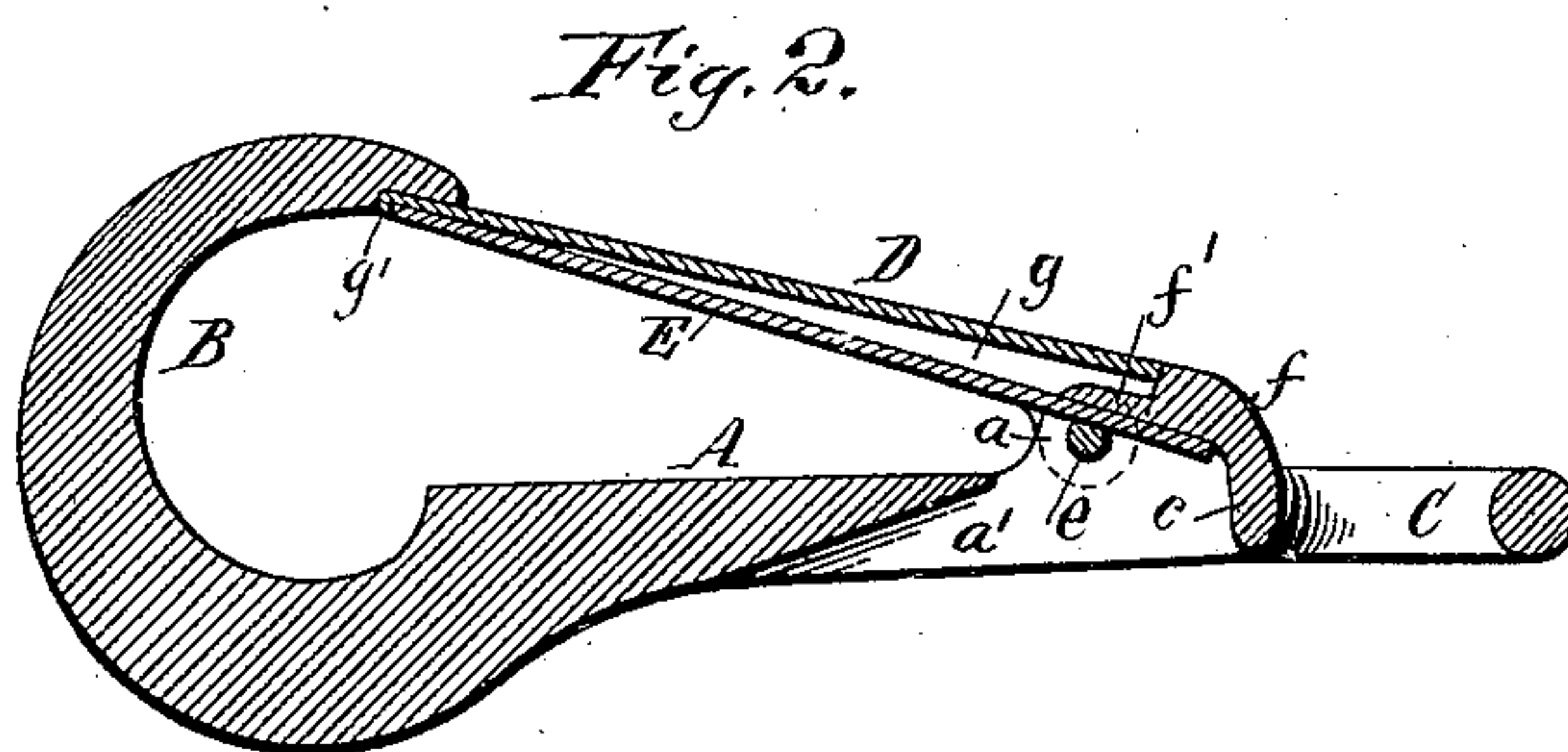
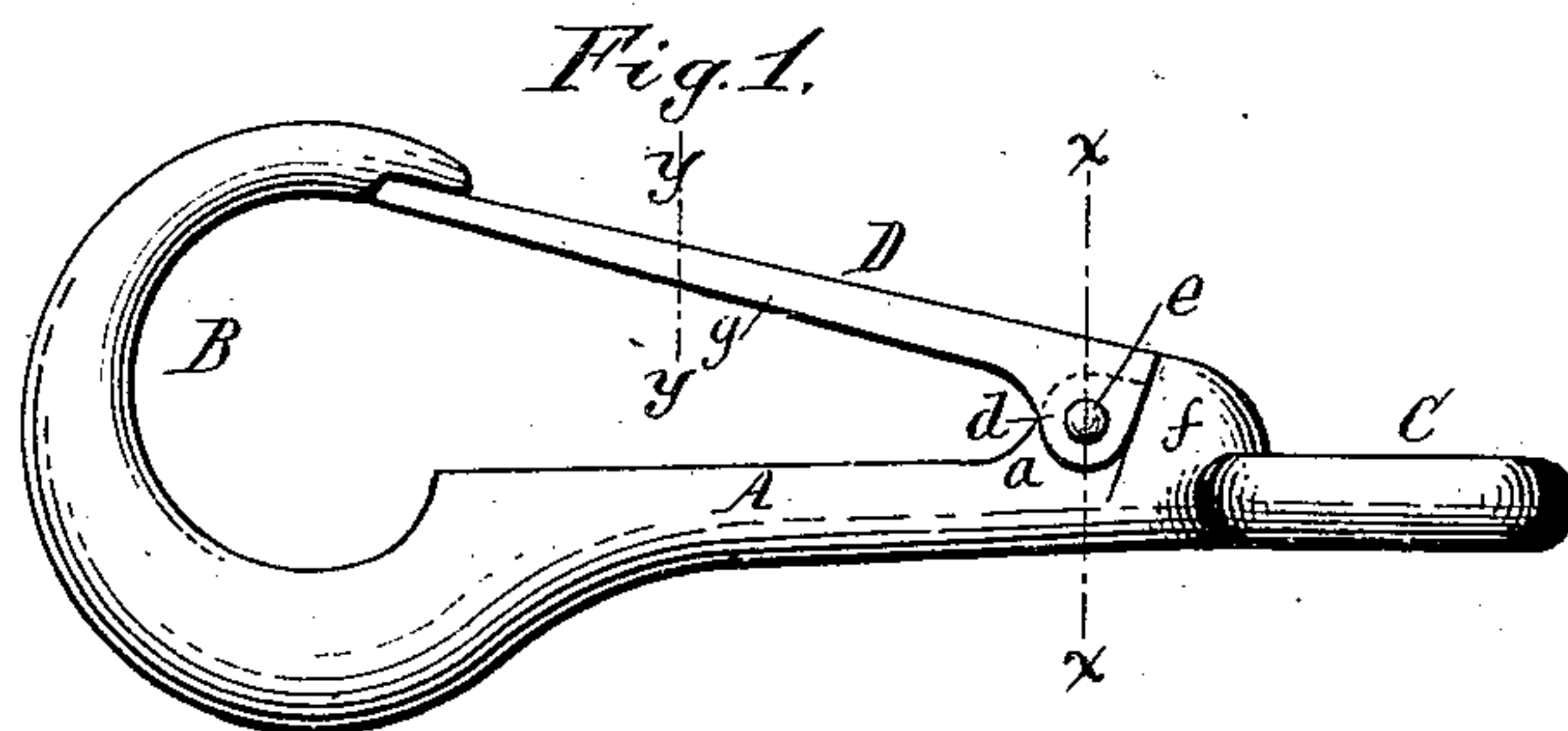


Fig. 4.

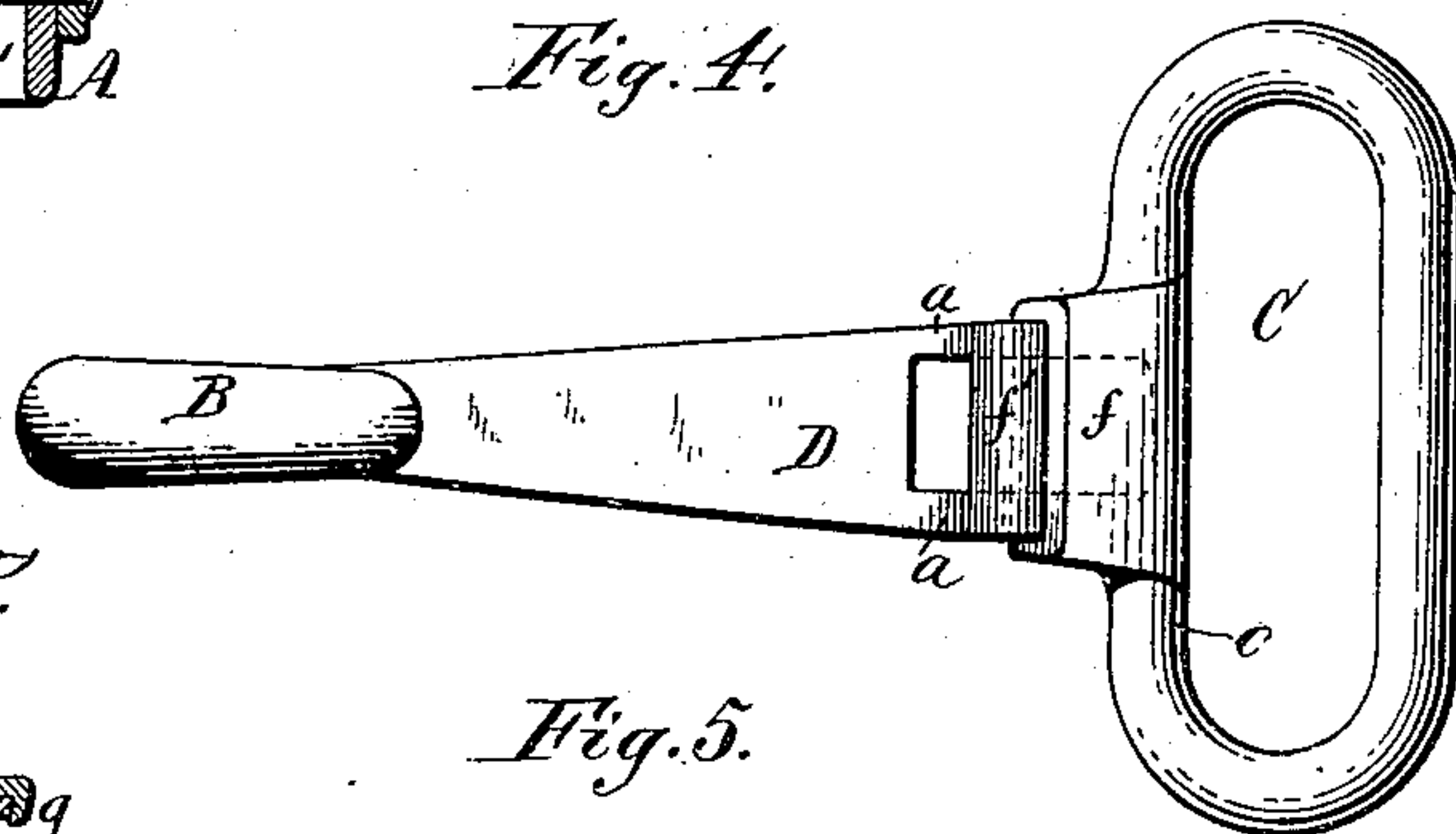
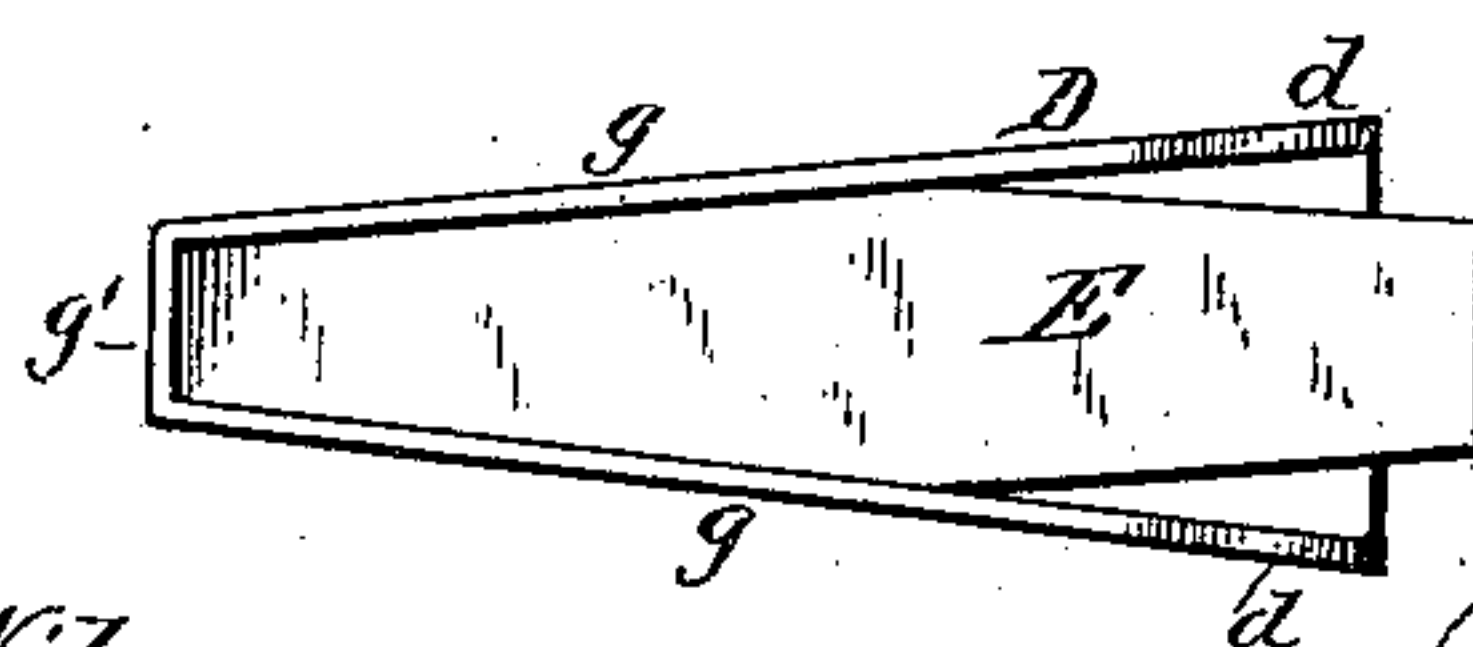


Fig. 7.



Fig. 5.



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UNITED STATES PATENT OFFICE.

JAMES M. BASINGER, OF BUFFALO, NEW YORK, ASSIGNOR OF ONE-FOURTH
TO WILLIAM L. WHITE, OF SAME PLACE.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 356,268, dated January 18, 1887.

Application filed August 7, 1886. Serial No. 210,295. (No model.)

To all whom it may concern:

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

The object of this invention is to produce a snap-hook of simple construction which can be manufactured at comparatively small expense; and my invention consists of the particular improvements in the construction of the snap-hook, which will be hereinafter fully described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a side elevation of my improved snap-hook. Fig. 2 is a longitudinal section thereof. Fig. 3 is a bottom plan view, and Fig. 4 a top plan view, of the snap-hook. Fig. 5 is an interior view of the tongue and spring. Figs. 6 and 7 are cross-sections in lines *xx* and *yy*, Fig. 1, respectively.

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

A represents the frame of the snap-hook, and B the hook, formed at one end of the frame in the usual manner.

C represents a loop formed at the opposite end of the frame A, whereby the snap-hook is attached to the harness or other part.

D represents the tongue, which is pivoted with its rear end to the frame A by a horizontal pin or rivet, *e*, and resting with its outer end against the end of the hook B. The tongue D is provided with angular or depending ears *d*, which overlap upright ears or lugs *a*, formed on the upper side of the frame A, and through which the pin or rivet *e* passes.

E represents a flat spring, which rests with its outer or front end against the under side of the pivoted tongue D, and tends to hold the outer end of the tongue against the end of the hook B, so as to close the mouth thereof. The spring E is arranged with its rear portion between the lugs or ears *a*, and rests upon the pin or rivet *e*. The inner end of the spring E engages under a projecting plate or lip, *f*, formed at the rear end of the frame A, and

connecting the upper portions of the lugs *a*, and is held between the lip *f* and the pin or rivet *e*. The lip or plate *f* extends rearwardly to the inner cross-bar, *c*, of the loop C, so as to afford a large bearing-surface for the inner end of the spring E. The inner surface of the lip *f*, against which the spring E bears, is inclined, as shown in Fig. 2, so that the spring in its unstrained or normal position will hold the outer end of the tongue D against the end of the hook B. The tongue D is provided at its sides with depending marginal flanges *g*, which hold the spring E against lateral displacement and conceal the spring from view. The forward end of the tongue D is also provided with a depending lip or flange, *g'*, whereby the spring is held from sliding forwardly. The spring is held from moving in an opposite direction by the inner cross-bar, *c*, of the loop C.

The front portion of the lip or plate *f* is cut away or reduced in thickness, as shown in Figs. 2 and 4, to form a shoulder, *f'*, against which the rear end of the tongue D abuts when in a closed position, whereby the upper surfaces of the tongue and lip *f* are rendered flush, and the joint between these parts given a smooth appearance.

The frame A is preferably cast with a recess or opening, *a'*, so that the frame A, with the parts formed therewith, can be cast complete without the use of a core.

I claim as my invention—

The combination, with the frame A, having a hook, B, at one end and a lip, *f*, at its opposite end, of a tongue, D, a transverse pin, *e*, by which the tongue is pivoted to the frame A, and a flat spring, E, inserted with its butt-end between the pivot *e* and the lip *f*, whereby the spring is secured in place, substantially as set forth.

Witness my hand this 23d day of July, 1886.

JAMES M. BASINGER.

Witnesses:

JNO. J. BONNER,
CARL F. GEYER.