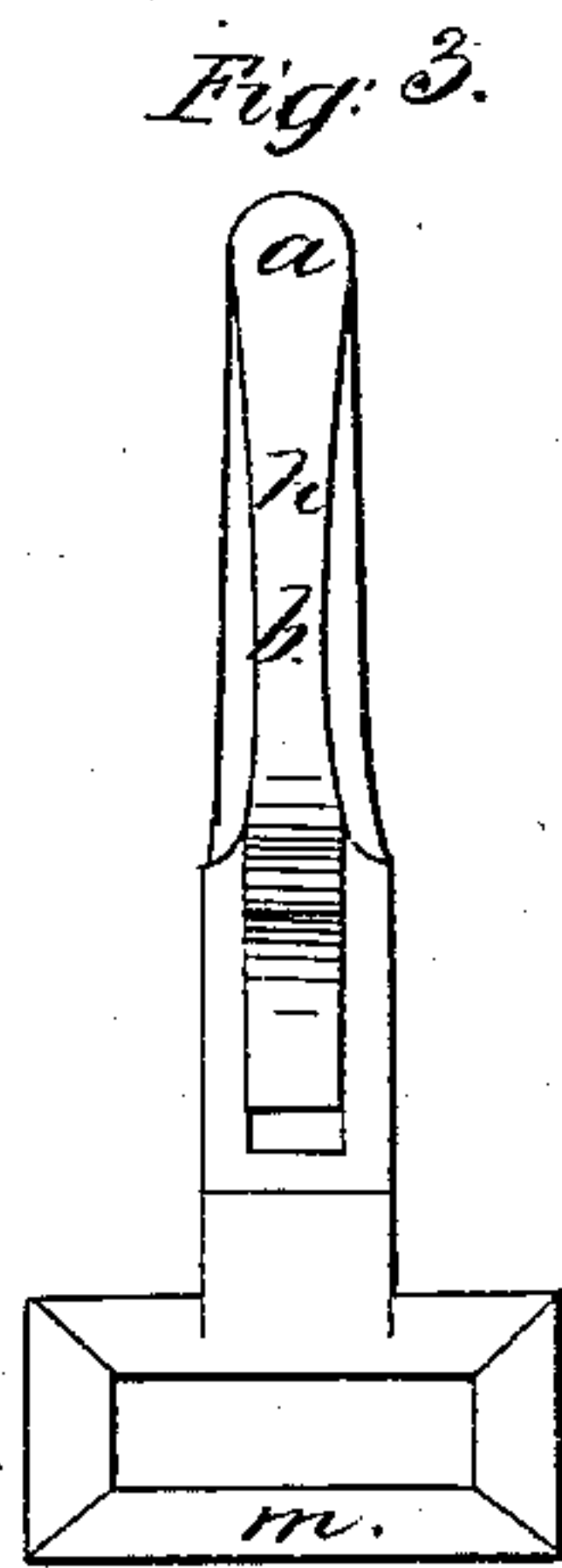
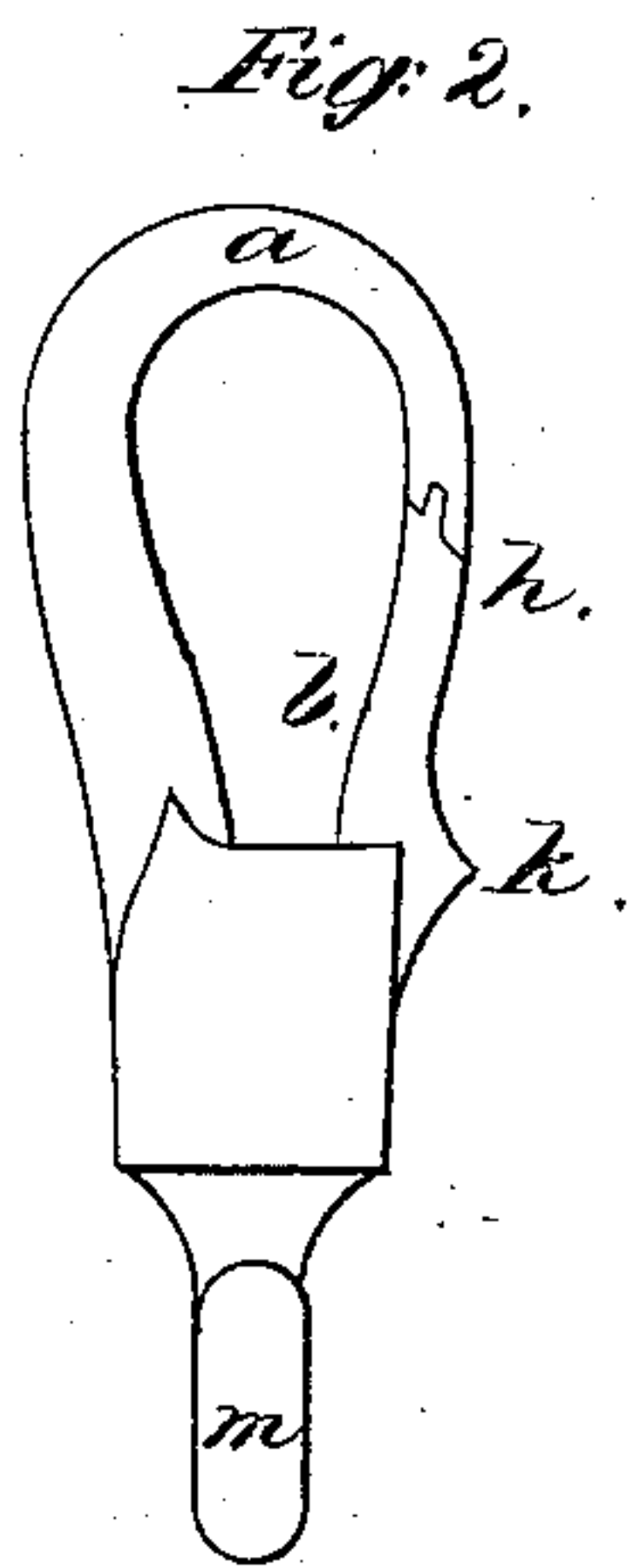
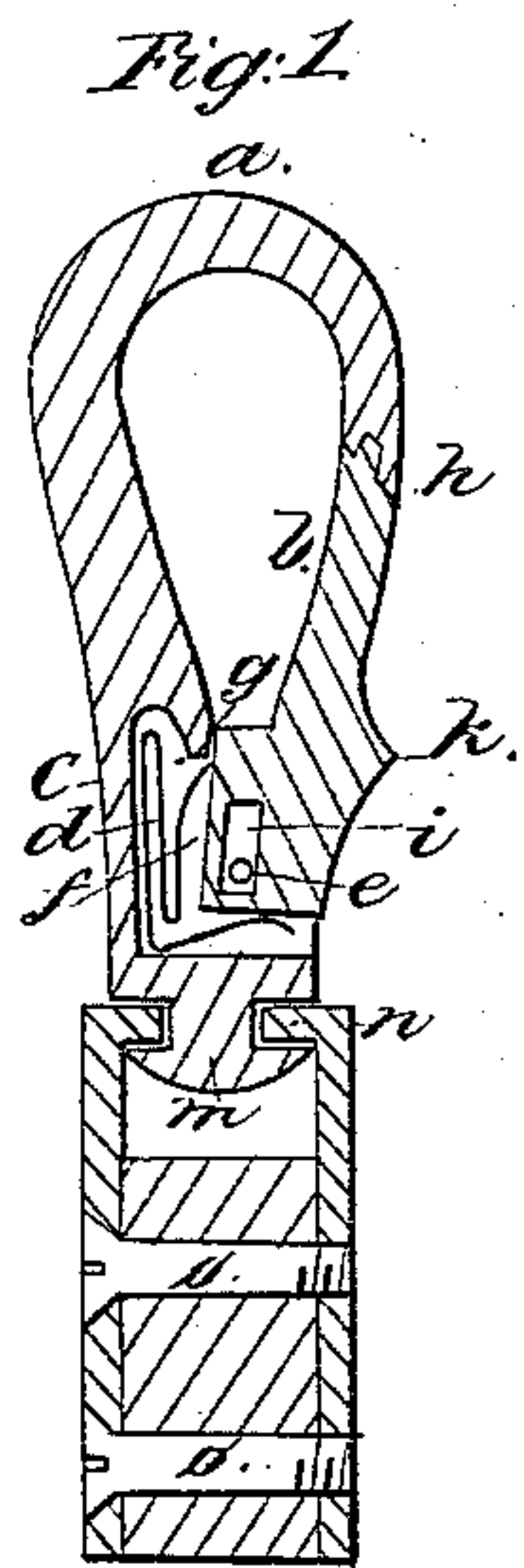


L. A. Sanford,
Snap Hook,
No 82,644, Patented Sept. 29, 1868.



Witnesses:

Emilio
Henry W. Bliss

Inventor:

Leverett A. Sanford

United States Patent Office.

LEVERETT A. SANFORD, OF WOLCOTT, ASSIGNOR TO HIMSELF AND ALBERT WARNER, OF BRISTOL, CONNECTICUT.

Letters Patent No. 82,644, dated September 29, 1868.

IMPROVED SNAP-HOOK.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, LEVERETT A. SANFORD, of Wolcott, county of New Haven, and State of Connecticut, have invented certain new and useful Improvements in Snap-Hooks; and to enable others skilled in the art to make and use the same, I will proceed to describe by referring to the drawings, in which the same letters indicate like parts in each of the figures.

The nature of this invention will be understood from the specification and drawings, the object of which is to produce a cheaper and better article for trade and use.

In the accompanying drawings—

Figure 1 is a sectional side view of my improvement.

Figures 2 and 3 show a side and edge view of my improvement when made with a strap-loop in the common way.

a is the hook proper.

b is the latch.

c is a socket, in which the latch is secured, and the actuating-springs or spring is arranged to operate the same.

d is the actuating-spring. This spring may be made in one or more parts, one at the head of the latch, the other on the side of the latch, just forward of the fulcrum or fastening-pin *e*, the object of which is to keep the front end of the latch forward and outward, both at the same time.

f is a guide or lock-surface, formed upon the inside edge of the heel of the latch, and bears or works against the projection *g* in the socket *c*, the object of which is to guide and lock the hook in its closed position. This latch is secured in the socket *c* by (and works or slides and vibrates upon) a fastening-pin *e*, which passes through the oblong slit opening *i*.

h is the opening and closing joint of the end of the latch, with the end of the hook. The hook or latch is provided with a dowel or tongue, which enters a corresponding socket or groove formed in latch or hook.

k is a finger-pressure pad, formed on the latch *b* near the fulcrum-joint.

m represents a strap-loop, as ordinarily constructed.

m' is a swivel, neck, and head.

n is a clutch-clasp, which is secured upon the neck of the swivel, and clasps a cord or strap, and is secured by means of screws, *o*. It will thus be seen that it can be made and used with or without the swivel, as in the common way.

It will be observed that, by pressing the pad *k* down into the socket *c*, the angle-corner, at the end of the lock-surface *f*, will drop into the recess *c*, and allow the end of the latch to be pressed back by the same pressure of the thumb or finger towards the body of the hook *a*, and when the thumb or finger is removed, it will relock itself in its proper position, as shown and described.

I am thus enabled to make self-locking snap-hooks of better quality, cheaper manufacture, and more desirable as an article of trade and use.

I believe I have thus shown the nature, construction, and operation of this invention, so as to enable others skilled in the art to make and use the same therefrom.

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

The combination of the hook *a*, socket *c*, springs *d*, pad *k*, constructed and arranged substantially as and for the purpose described.

LEVERETT A. SANFORD. [L. S.]

Witnesses:

E. W. BLISS,

JEREMY W. BLISS.