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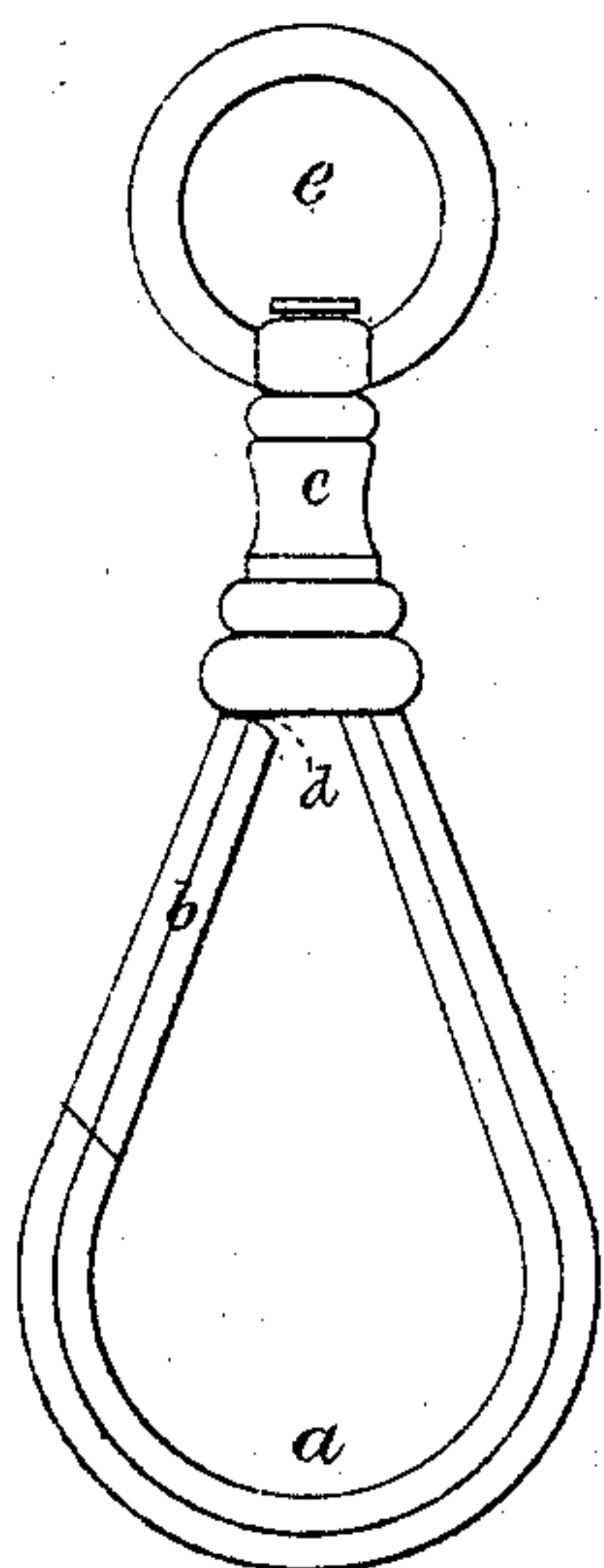
LEWIS MORSE.

Snap Hook.

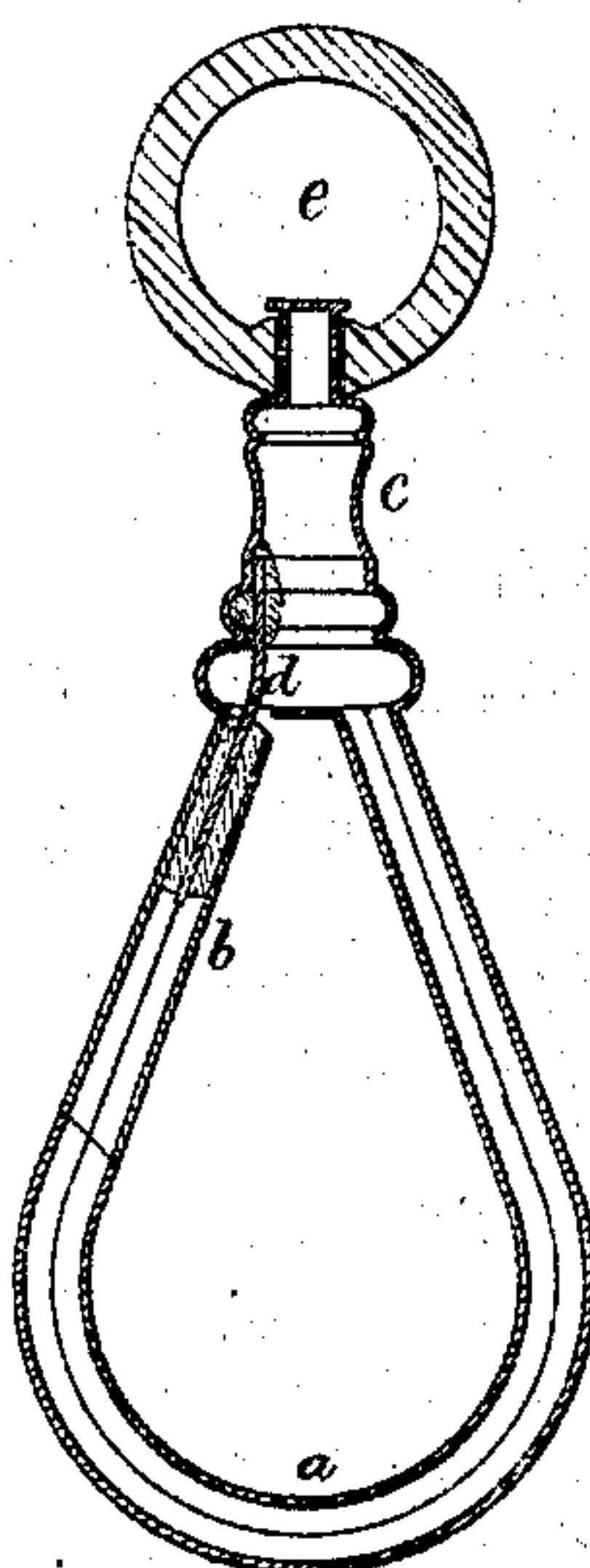
No. 122,127.

Patented Dec. 26, 1871.

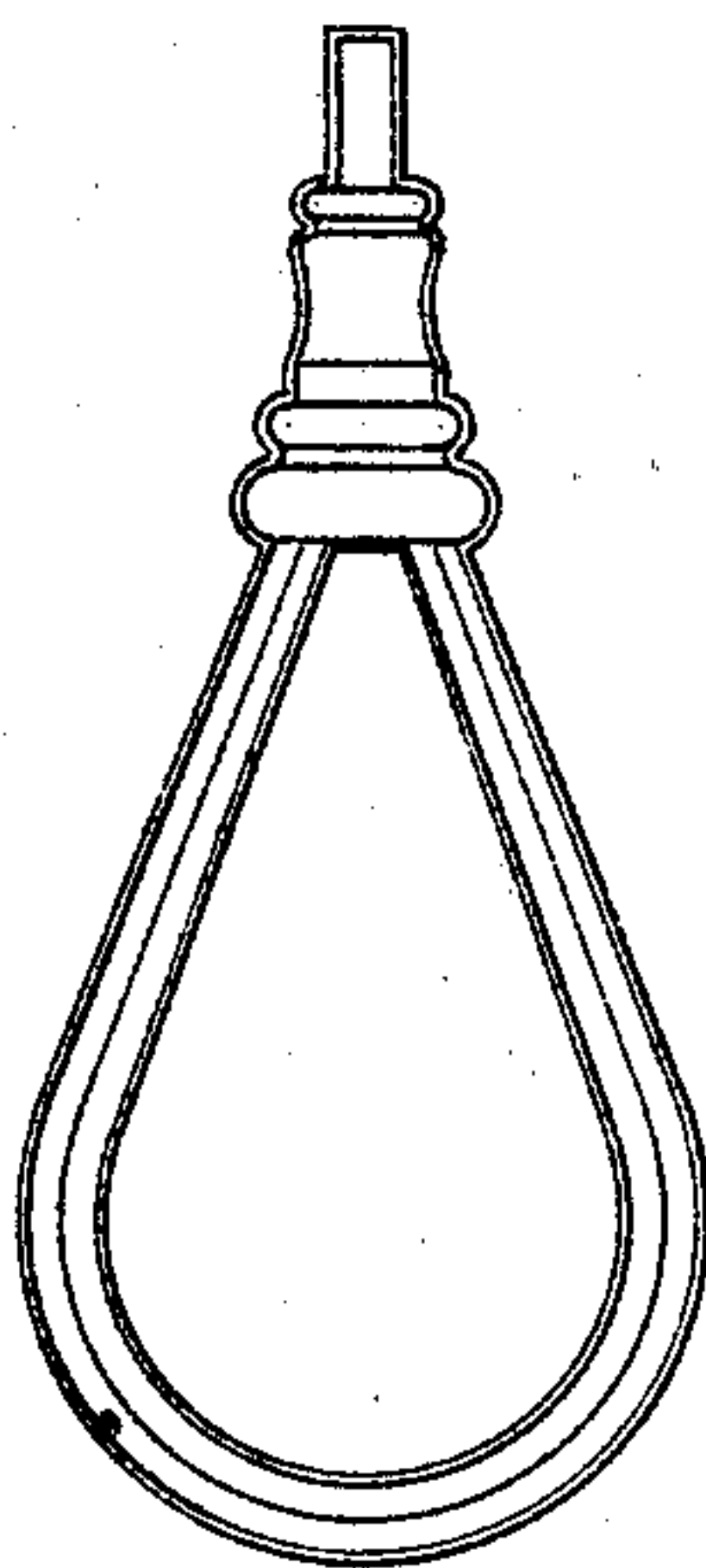
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses

S. N. Piper

L. N. Möller.

Lewis Morse.

by his attorney.

R. M. Ledy

# UNITED STATES PATENT OFFICE.

LEWIS MORSE, OF ATTLEBOROUGH, MASSACHUSETTS.

## IMPROVEMENT IN SNAP-HOOKS.

Specification forming part of Letters Patent No. 122,127, dated December 26, 1871.

*To all persons to whom these presents may come:*

Be it known that I, LEWIS MORSE, of Attleborough, of the county of Bristol and State of Massachusetts, have invented an Improved Snap-Hook; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side view, and Fig. 2 a longitudinal section of such snap-hook. Fig. 3 is a representation of one-half of the snap-hook, hanger, and body, as struck from a plate of metal by means of dies.

The common snap-hook, as ordinarily made, has its tongue constructed separately from the body, and connected thereto by a hinge, and resting against a spring entirely separate from the hinge, the spring being sometimes placed in the shank of the body and at other times within the bow or hook. One distinguishing feature of difference between my snap-hook and others above referred to, as usually made, is that the tongue is connected to the body by the spring, which, by its arrangement, answers the purposes of a hinge for the tongue, and a spring for closing it against the oblique end of the hook part of the body. Another distinguishing feature is that the body and tongue are first struck together from two thin plates of metal, each part so struck having the form shown in Fig. 3, wherein the hook and tongue parts are in the form of a bow or yoke channeled throughout, and connected to the shank, which is also channeled. Two of the said parts, shown in Fig. 3, are laid and soldered together at their edges, after which the tongue part is to be sawed or cut from the shank and hook por-

tions, and reconnected with the shank by means of a short steel spring extended into both, and soldered or fastened to them.

In the drawings, *a* denotes the hook; *b*, the tongue; *c*, the shank; *d*, the spring; and *e* the swivel eye, the latter being fixed on the journal or point of the shank. The spring *d*, by being entirely inclosed within the tongue and shank, is not only protected from injury and loss, but serves the double purpose of a hinge and a spring.

I make no claim to any thing, combination, or arrangement of parts, as shown or described in the United States Patent No. 55,563, the spring of my improved snap-hook being arranged differently, relatively, to the tongue and body from anything represented in such patent.

I claim as my invention the following, viz.:

1. In a snap-hook having an inelastic tongue connected with the shank or body by means of a spring, which shall serve both as a hinge to the tongue and a spring to force and hold it up to the point of the hook, the spring as arranged between and extended into the tongue and body, in manner as shown, so as to be fully covered and thus protected from injury thereby.

2. The new or improved manufacture of snap hook as made with its tongue and body composed of two bows struck or formed from plate metal and soldered together, and the tongue next cut or separated from the body, and next reconnected therewith by a spring arranged in and fixed to the two, as described, whereby the spring is made to serve a double purpose, as explained.

Witnesses:

LEWIS MORSE.

R. H. EDDY,  
J. R. SNOW.

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