

No. 630,127.

M. H. STEVENS.
HOLDER FOR WATCH SPRINGS.

Patented Aug. 1, 1899.

(No Model.)

(Application filed Mar. 8, 1899.)

FIG. 1.

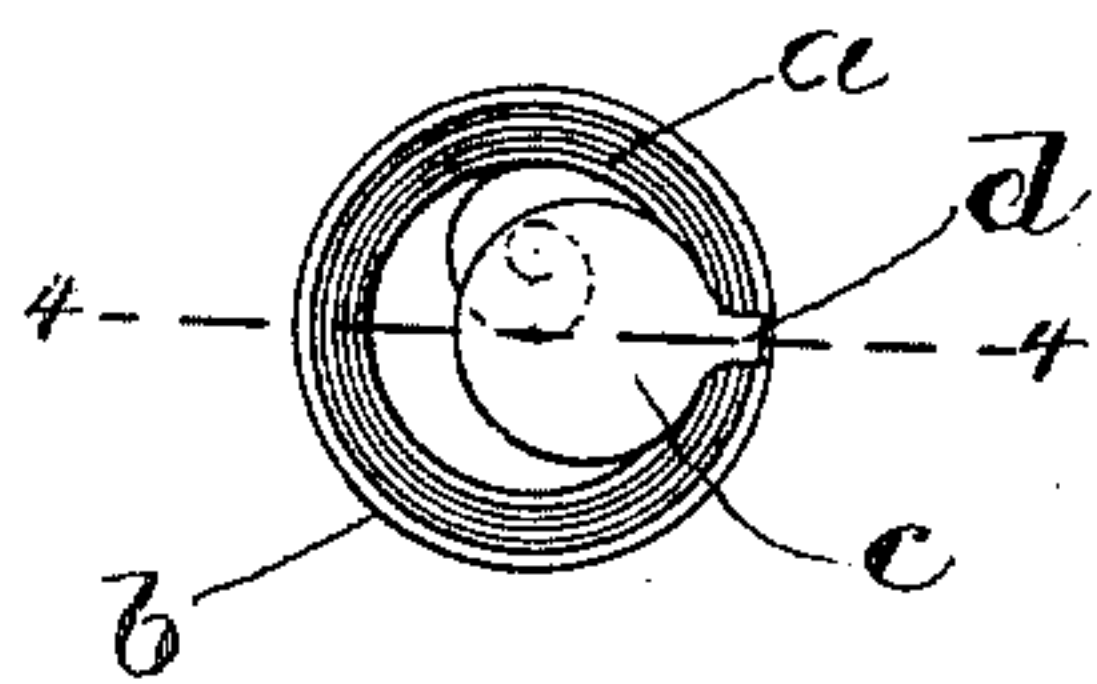


FIG. 2.

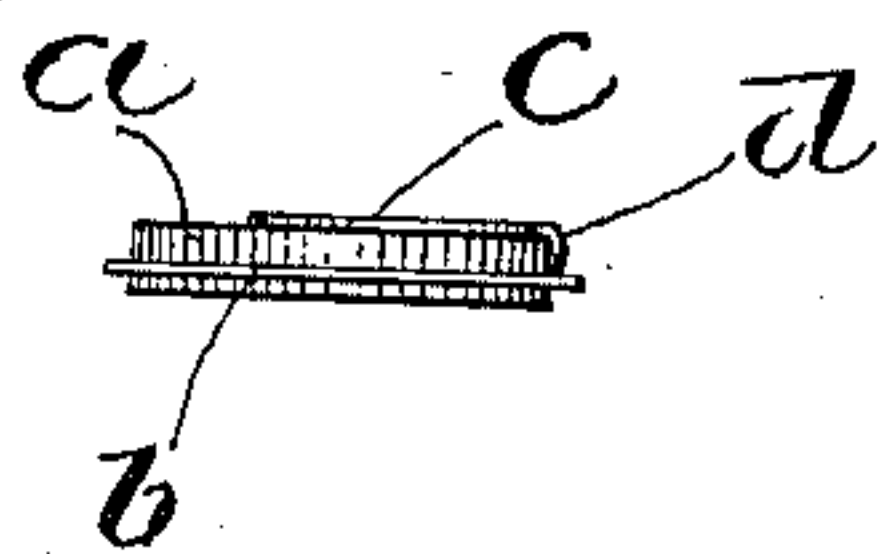


FIG. 3.

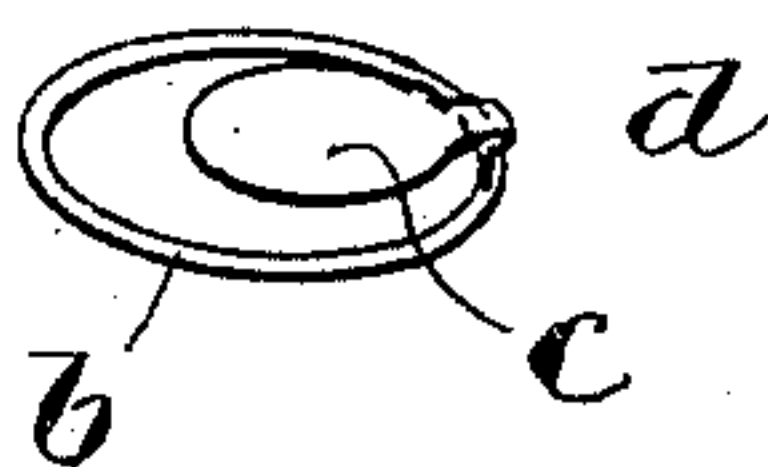


FIG. 4.

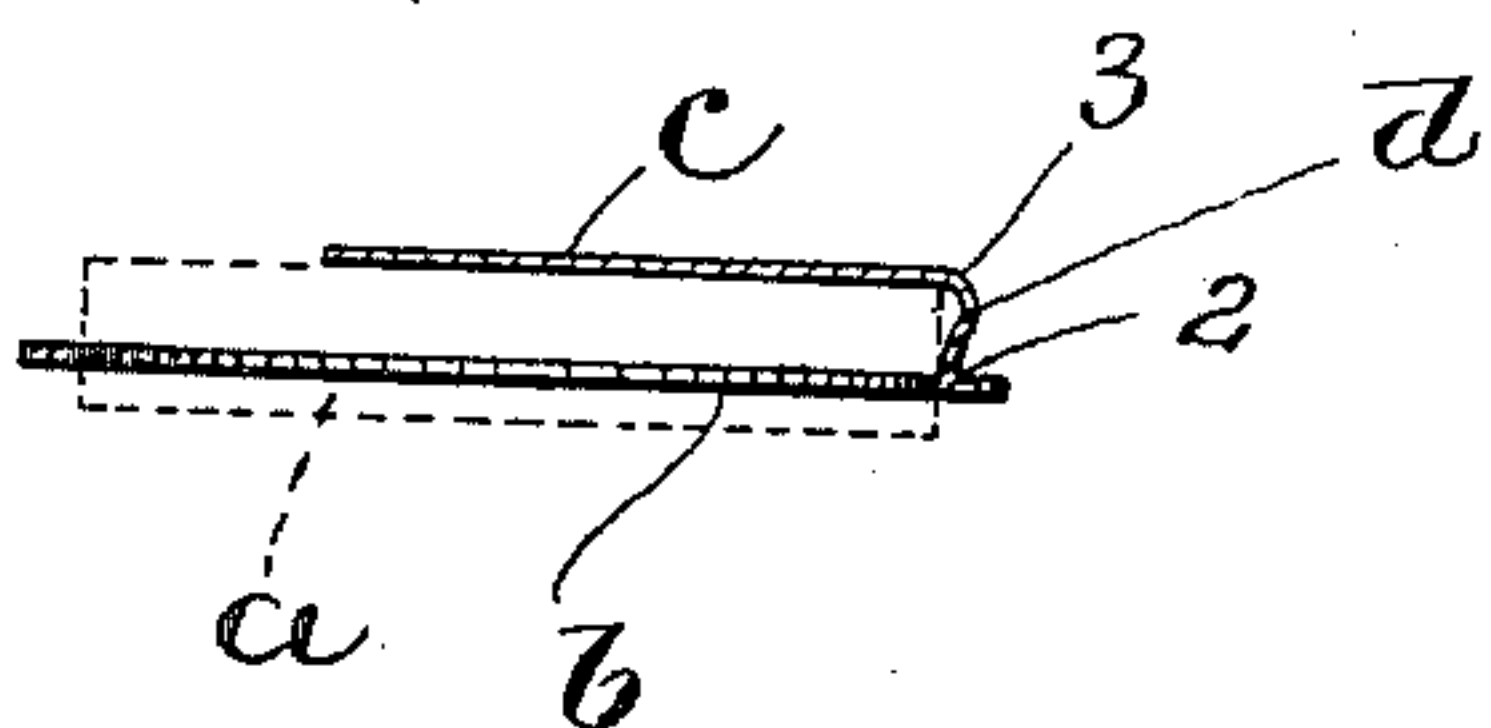


FIG. 5.

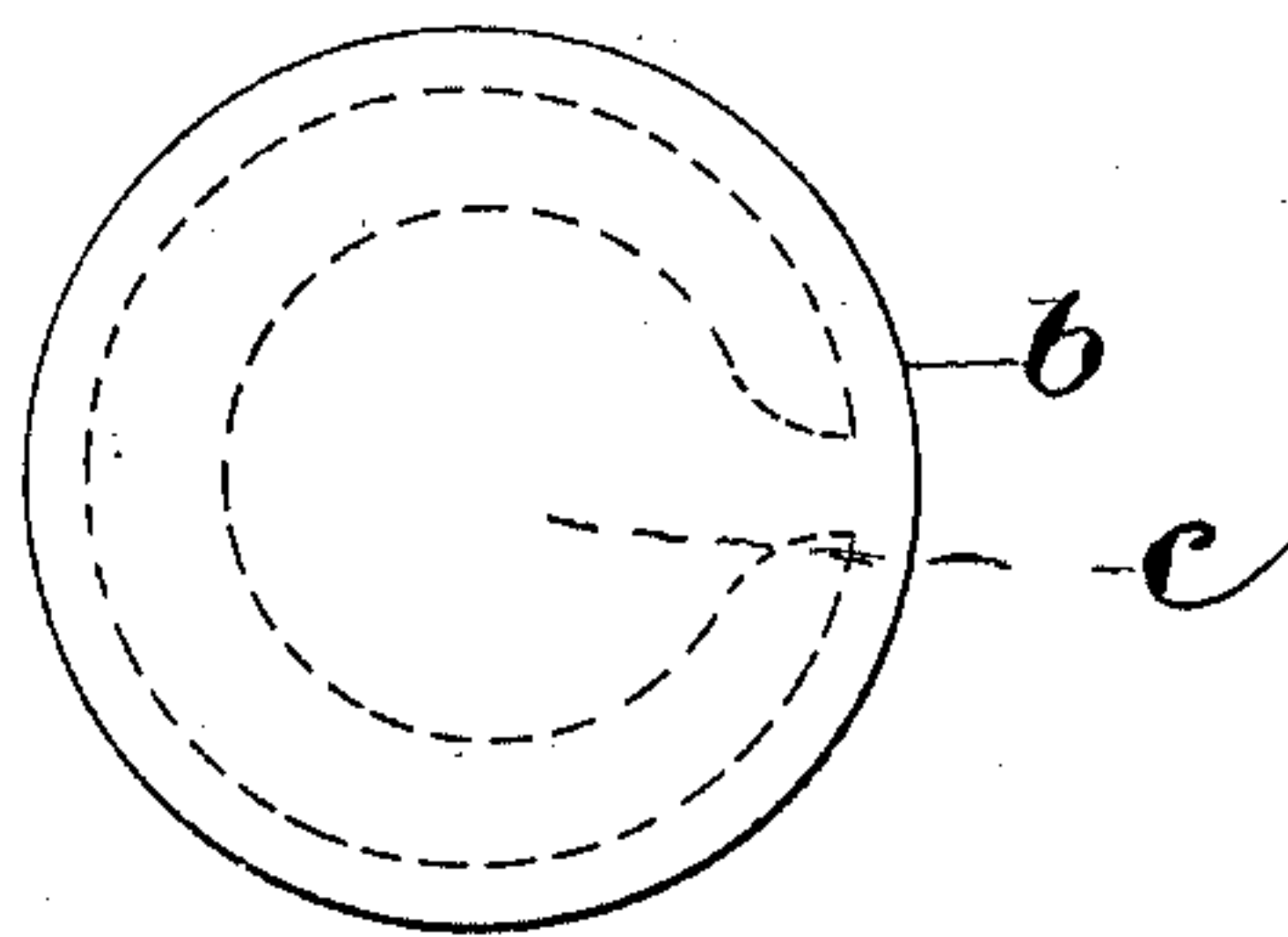


FIG. 6.

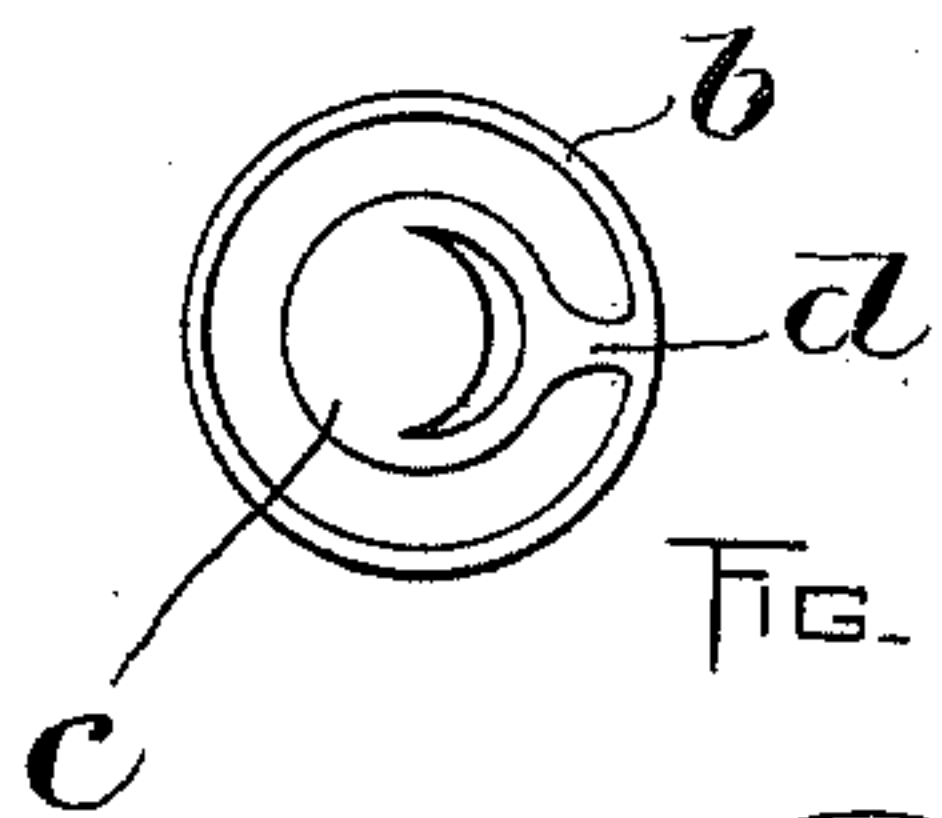


FIG. 7.

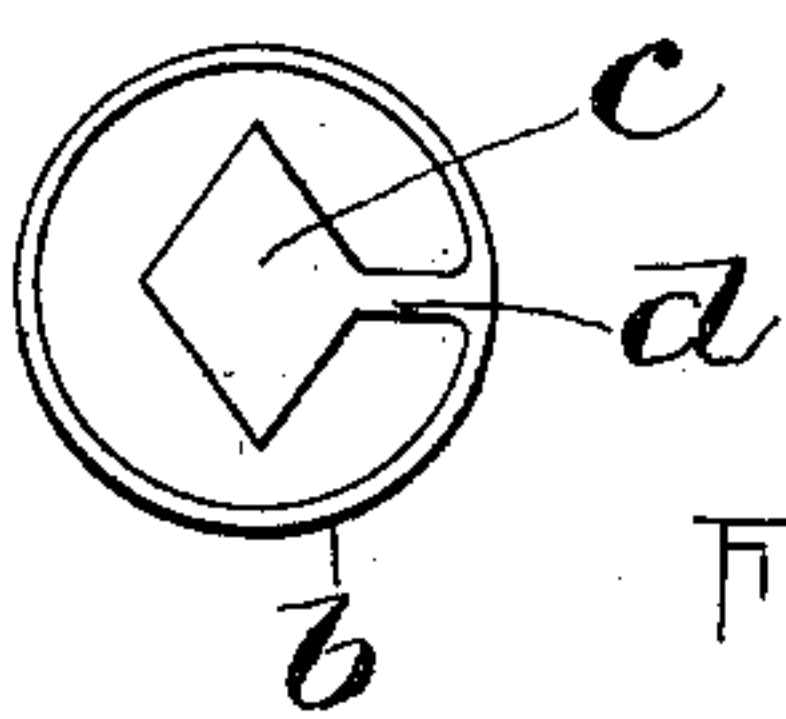


FIG. 8.



FIG. 9.

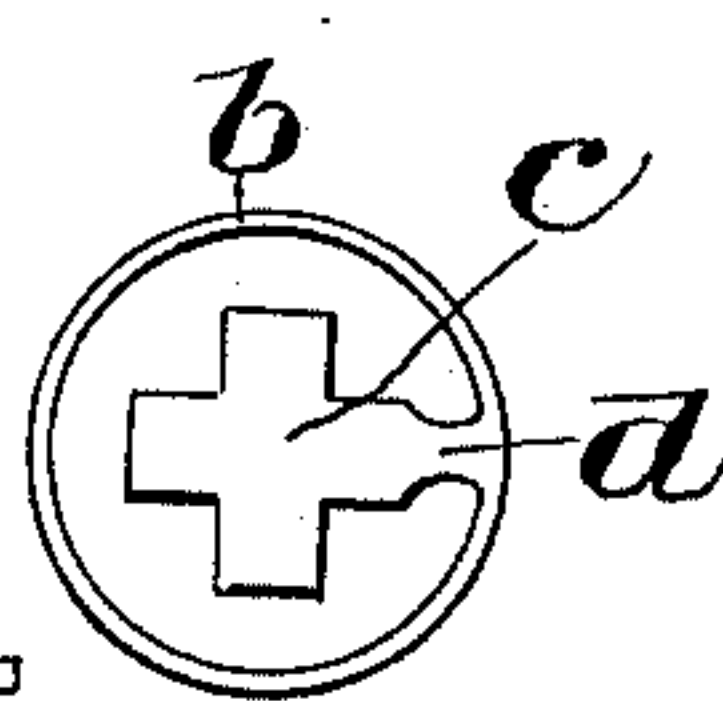


FIG. 10.

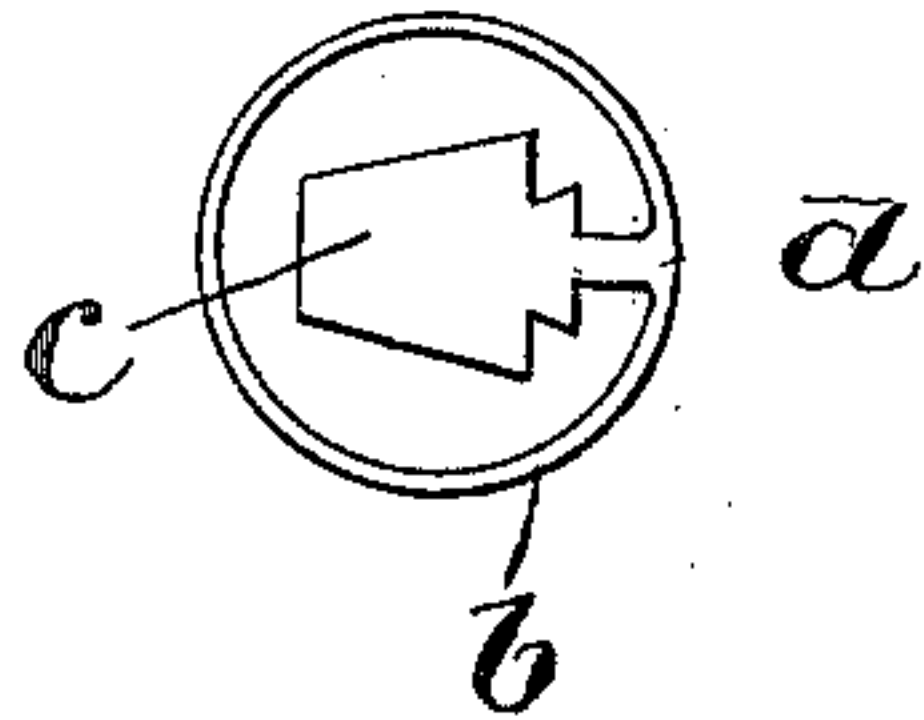


FIG. 11.

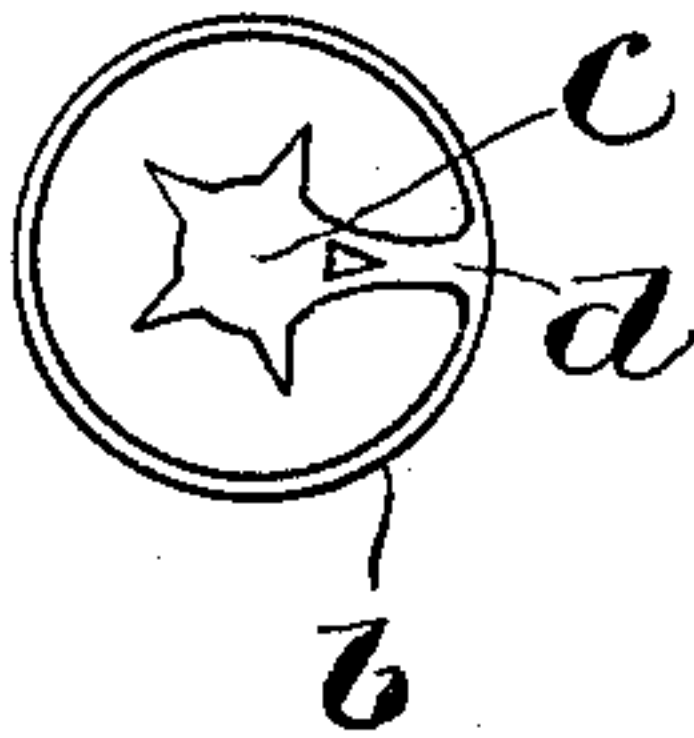
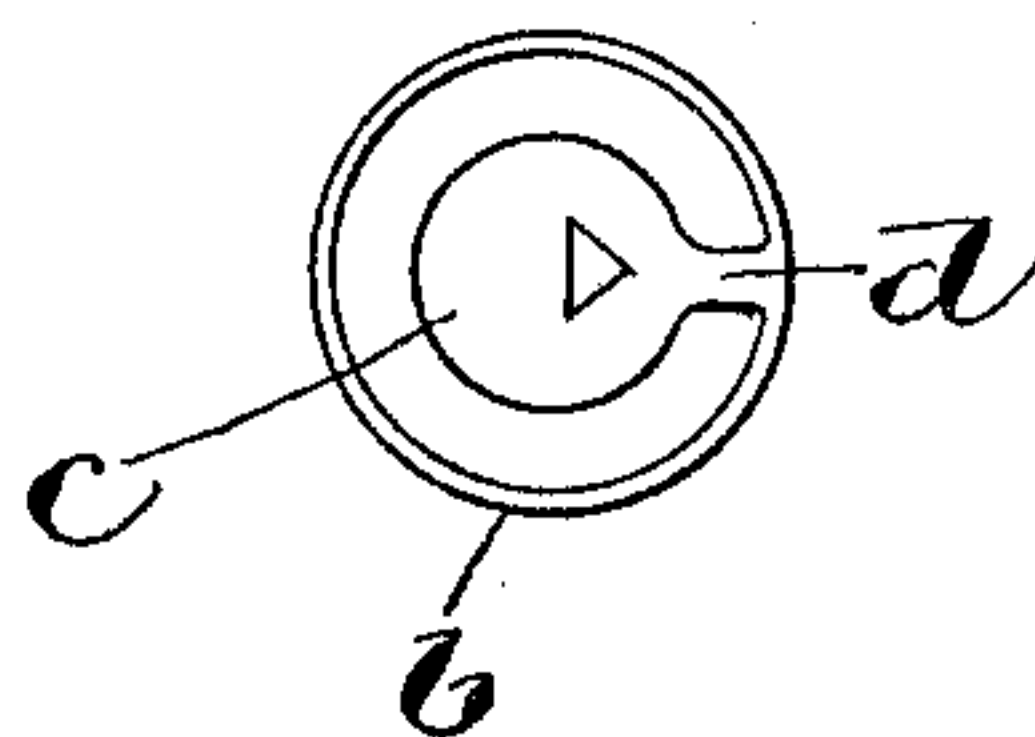


FIG. 12.



WITNESSES:

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UNITED STATES PATENT OFFICE.

MILTON H. STEVENS, OF WALTHAM, MASSACHUSETTS, ASSIGNOR TO THE
AMERICAN WALTHAM WATCH COMPANY, OF SAME PLACE.

HOLDER FOR WATCH-SPRINGS.

SPECIFICATION forming part of Letters Patent No. 630,127, dated August 1, 1899.

Application filed March 8, 1899. Serial No. 708,280. (No model.)

To all whom it may concern:

Be it known that I, MILTON H. STEVENS, of Waltham, in the county of Middlesex and State of Massachusetts, have invented certain
5 new and useful Improvements in Holders for Watch-Springs, of which the following is a specification.

The object of this invention is to provide a device which shall serve the twofold function of a holder for a watch-spring and a tag
10 to receive the symbols by which the spring is designated.

Heretofore it has been the practice to wind a wire about the spring after it has been
15 coiled and then twist its ends together and afterward to attach a tag for indicating the nature or size of the spring or the movement of which it was to form a part. This has been a comparatively expensive operation by reason of the time required to complete it. The
20 present invention reduces the cost of incasing or packing the springs to a minimum and obviates the necessity of a separate operation in attaching the tags.

It consists of a ring-like holder adapted to encircle the coiled spring and a tag attached thereto or formed therewith on which the designating symbols may be embossed, stamped,
25 or otherwise marked thereon.

Referring to the drawings, Figure 1 represents in plan a watch-spring inclosed in one embodiment of my invention. Fig. 2 represents the same in side elevation. Fig. 3 represents a perspective view of the holder detached. Fig. 4 represents an enlarged section through the holder on the line 4 4 of Fig. 1. Fig. 5 represents the blank from which the holder is formed. Figs. 6 to 12, inclusive,
35 represent other forms of the invention.

Referring to the drawings, *a* indicates the watch-spring, which is encircled by my holder. Said holder consists of a continuous ring *b*
40 stamped out of thin sheet metal and having an internal diameter adequate to receive the spring. The rings may be made in different sizes to receive corresponding springs.

Formed integrally with the ring is a tag *c*, connected thereto by a narrow neck *d*, said tag

being died out of the metal left within the ring. The neck is bent perpendicularly to
50 the plane of the ring, as at 2, so as to clear the spring *a*, and is then bent at 3 to lie in a plane above but parallel to the plane first mentioned.

The shape of the tag is immaterial, though, if desired, it may indicate the kind or style of movement in which the spring is to be used. For instance, the tag shown in Fig. 6 may indicate one variety of spring, while those in Figs. 7 to 12 may indicate others. On the
60 other hand, if but one style of tag be employed for all kinds of springs the numbers, letters, or other symbols used to designate the springs may be embossed, stamped, or otherwise marked upon its face.

Besides serving to indicate the spring to be incased in the holder or the size of the latter, the tag forms a gage to center the spring therein and to prevent it from being thrust too far through the ring or holder when it is
70 being inserted in place.

It is evident from this description that my invention may be embodied in forms other than those shown and that I am not limited thereto.

Having thus explained the nature of the invention and described a way of constructing and using the same, although without having attempted to set forth all of the forms in which it may be made or all of the modes of
80 its use, I declare that what I claim is—

A holder for a watch-spring consisting of a flat ring having its aperture adequate to receive a coiled watch-spring whereby the inner edge of said ring holds the spring from
85 unwinding, and a tag formed integrally with said ring and connected with the inner edge thereof by a narrow neck, whereby said tag may be bent to lie parallel to the plane of said ring.

In testimony whereof I have affixed my signature in presence of two witnesses.

MILTON H. STEVENS.

Witnesses:

BEATRICE E. MOSHER,
E. A. MARSH.