

(No Model.)

L. KRUG.  
EAR RING.

No. 397,433.

Patented Feb. 5, 1889.

Fig. 1.

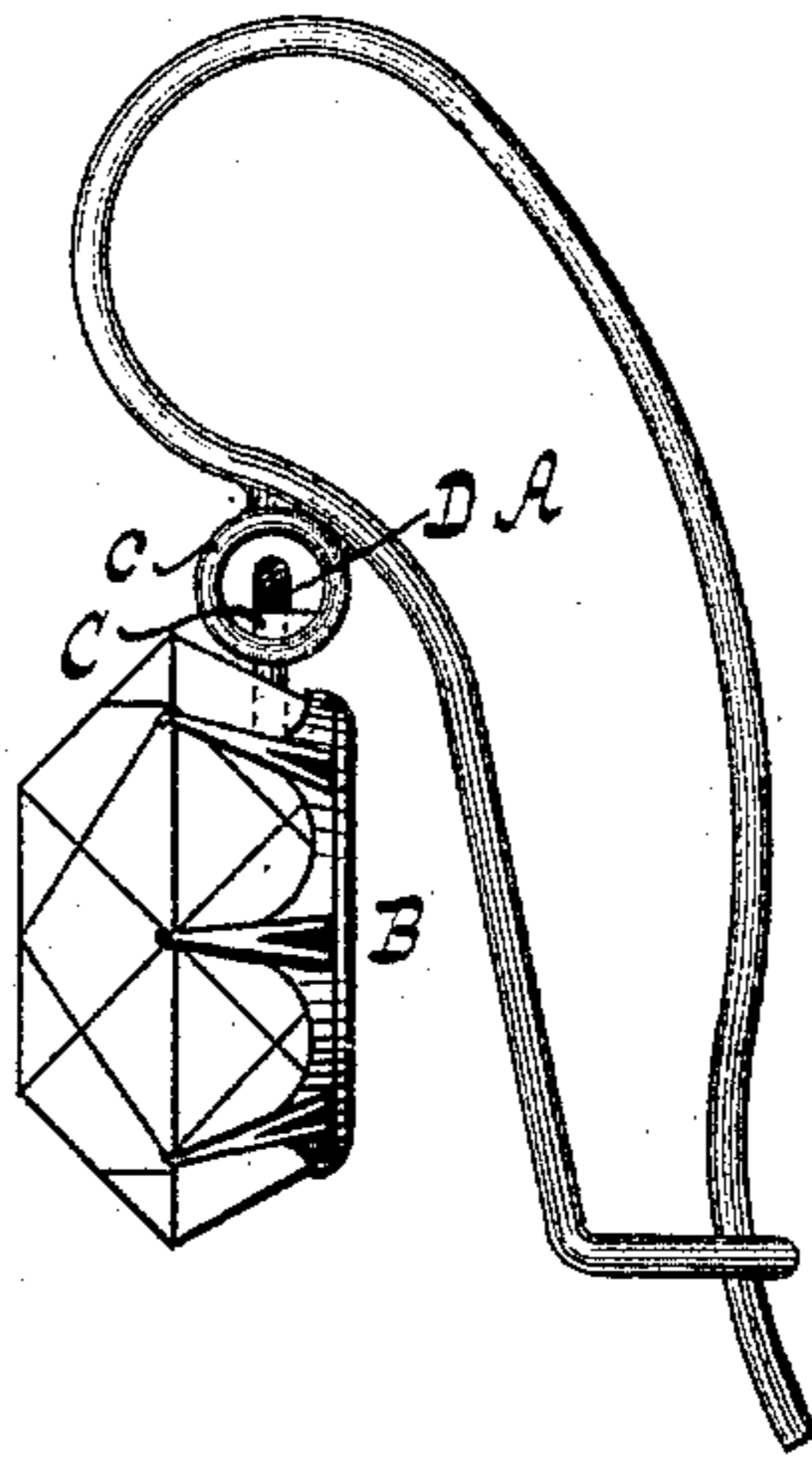


Fig. 3.

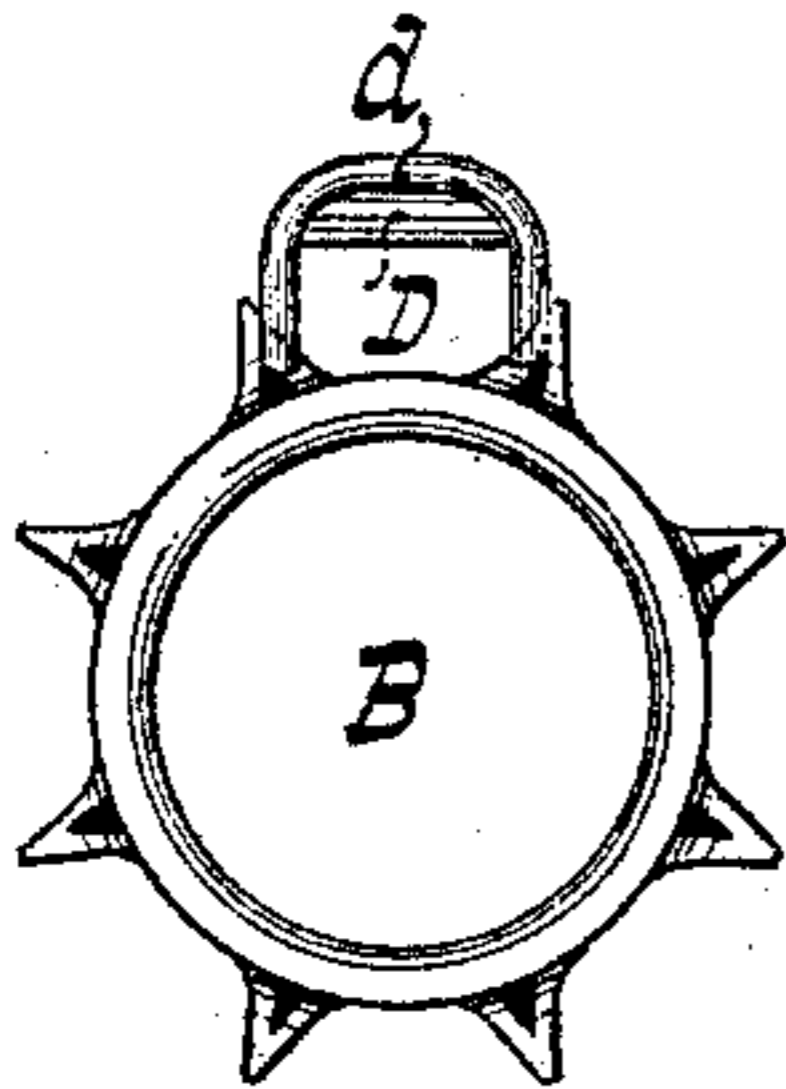


Fig. 2.

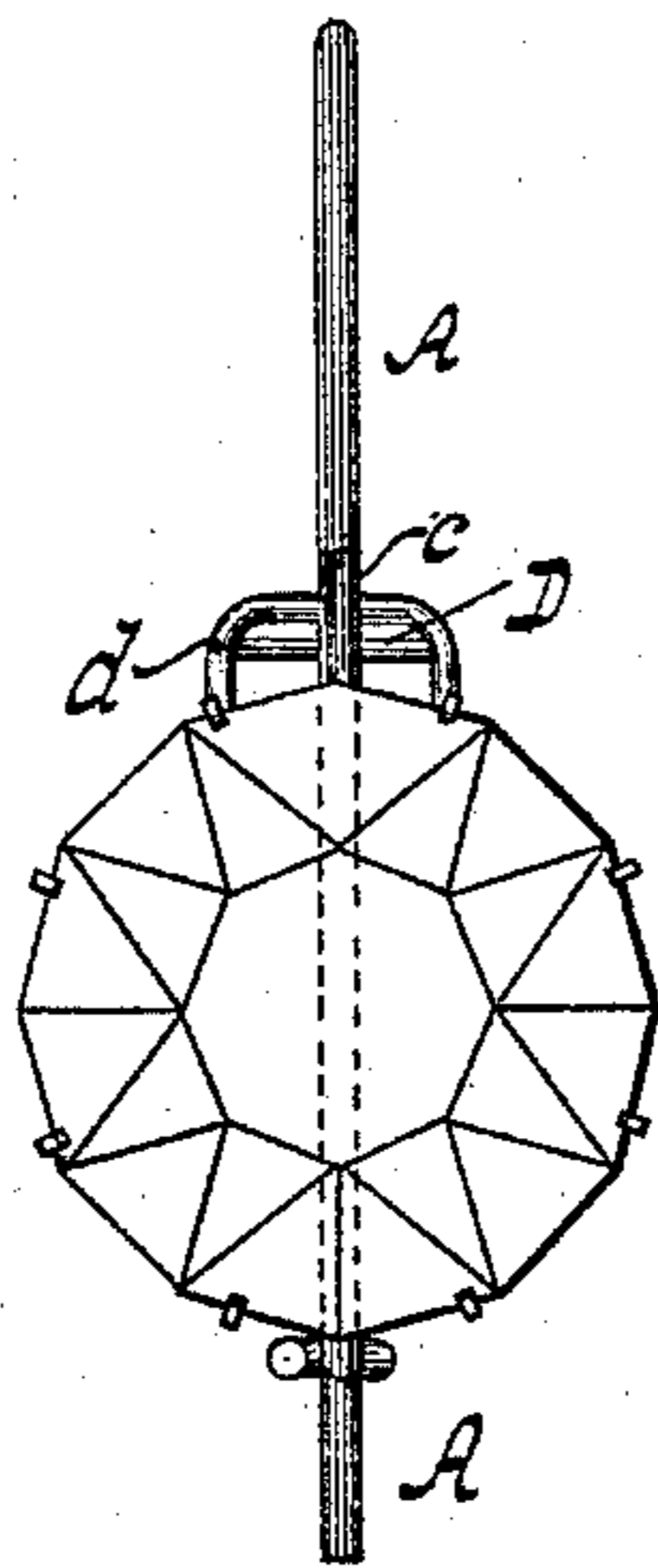
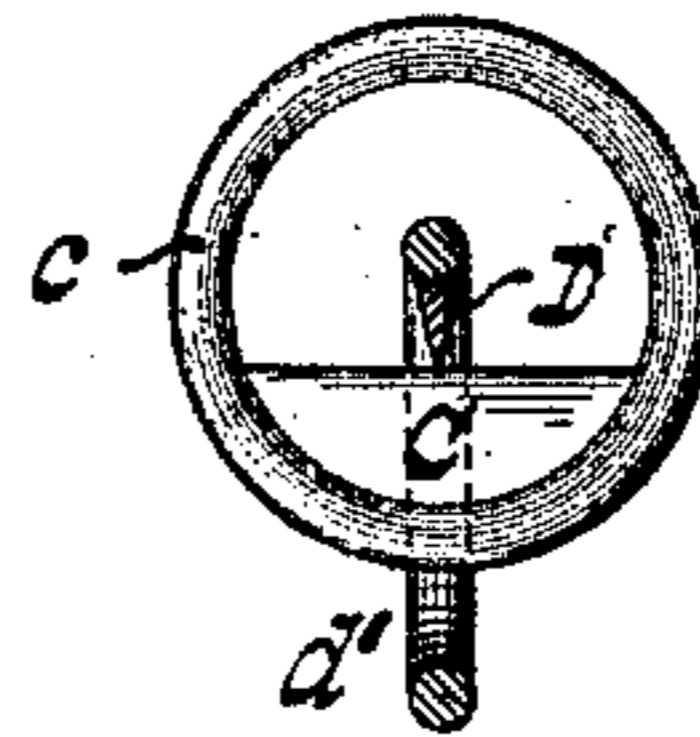


Fig. 4.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

LOUIS KRUG, OF BROOKLYN, NEW YORK.

## EAR-RING.

SPECIFICATION forming part of Letters Patent No. 397,433, dated February 5, 1889.

Application filed March 18, 1886. Serial No. 195,727. (No model.)

*To all whom it may concern:*

Be it known that I, LOUIS KRUG, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Ear-Rings, &c., of which the following is a specification.

My invention relates to improvements in suspended settings for ear-rings, brooches, and other articles of jewelry; and it consists in providing such a setting with a knife-edge, which bears on a corresponding knife-edge in an eye or staple secured to the ear-ring loop or other article.

The novel features of my invention above briefly pointed out are more fully described in the following specification, and claims, and illustrated in the accompanying drawings, in which—

Figure 1 represents a sectional side elevation of an ear-ring embodying my invention. Fig. 2 is a front elevation of the same. Fig. 3 is a rear elevation of the setting. Fig. 4 is a sectional elevation, on a larger scale than the preceding figures, showing the suspending-eyes in a slightly-modified form.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates the loop of an ear-ring, and B is the setting, all constructed as usual. The loop A, Figs. 1 and 2, is provided at the proper point with an eye, *c*, which has therein a knife-edge, C. This knife-edge is made of hard steel, iridium, or some other material, as ruby, which will retain its keen edge, and it may be secured in the ring by the use of solder or in any other manner. The setting B has thereon a staple, *d*, which is provided with a knife-edge, D, in its upper portion, the apex of which latter points downward. This knife-edge is arranged to bear at right angles upon the knife-edge C in the eye *c* when the eye and staple are interlocked, so that the setting is suspended by the knife-edges. The staple can be struck up integral with the setting, or it may be secured thereto subsequently. In place of such a staple *d*, an eye, *d'*, Fig. 4, may be used, which is then secured to the setting.

The object of my invention is to procure a setting which is suspended with the least possible friction of the parts in contact, so that the diamond or other stone in the setting will

be allowed to swing freely, and thus be in an incessant tremor, whereby the stone is caused to appear more brilliant. A setting so suspended is not liable to be lost by wear, as with ordinary settings, since the parts in contact are made of a hard material which is not liable to wear appreciably. It is apparent that settings can be also suspended from brooches, lace-pins, and the like in precisely the same manner.

Where the invention is applied to a brooch, lace-pin, or other article of jewelry, the brooch or pin will constitute a base as an equivalent for the loop, and the eye *c*, having the knife-edge C, will be attached to such base, instead of to the loop. The knife-edge will of course be of any appropriate form suitable for the conditions required.

I make no broad or generic claim in this case to a pair of knife-edged bearing-surfaces, as such broad claim is set up in my other case, Serial No. 200,832; neither do I design any of the claims in this case to cover any matter herein shown and described, but embraced in any of the claims of my said other case, Serial No. 200,832.

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

1. An article of jewelry consisting of a loop or base having a knife-edge, C, and a suspended setting, B, having a knife-edge, D, extending across and bearing on the other knife-edge, substantially as described.

2. The combination, with the loop A, the eye *c* thereon, and the knife-edge C in said eye, of the setting B, the eye or staple thereof, and the knife-edge D in said eye or staple, which bears on the knife-edge of the eye *c*, substantially as shown and described.

3. The combination, with a loop or base and a setting, of the interlocking eyes provided with knife-edges in contact at right angles, one eye being secured to the loop or base and one to the setting, substantially as shown and described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

LOUIS KRUG. [L. S.]

Witnesses:

A. FABER DU FAUR, Jr.,  
E. F. KASTENHUBER.