

(No Model.)

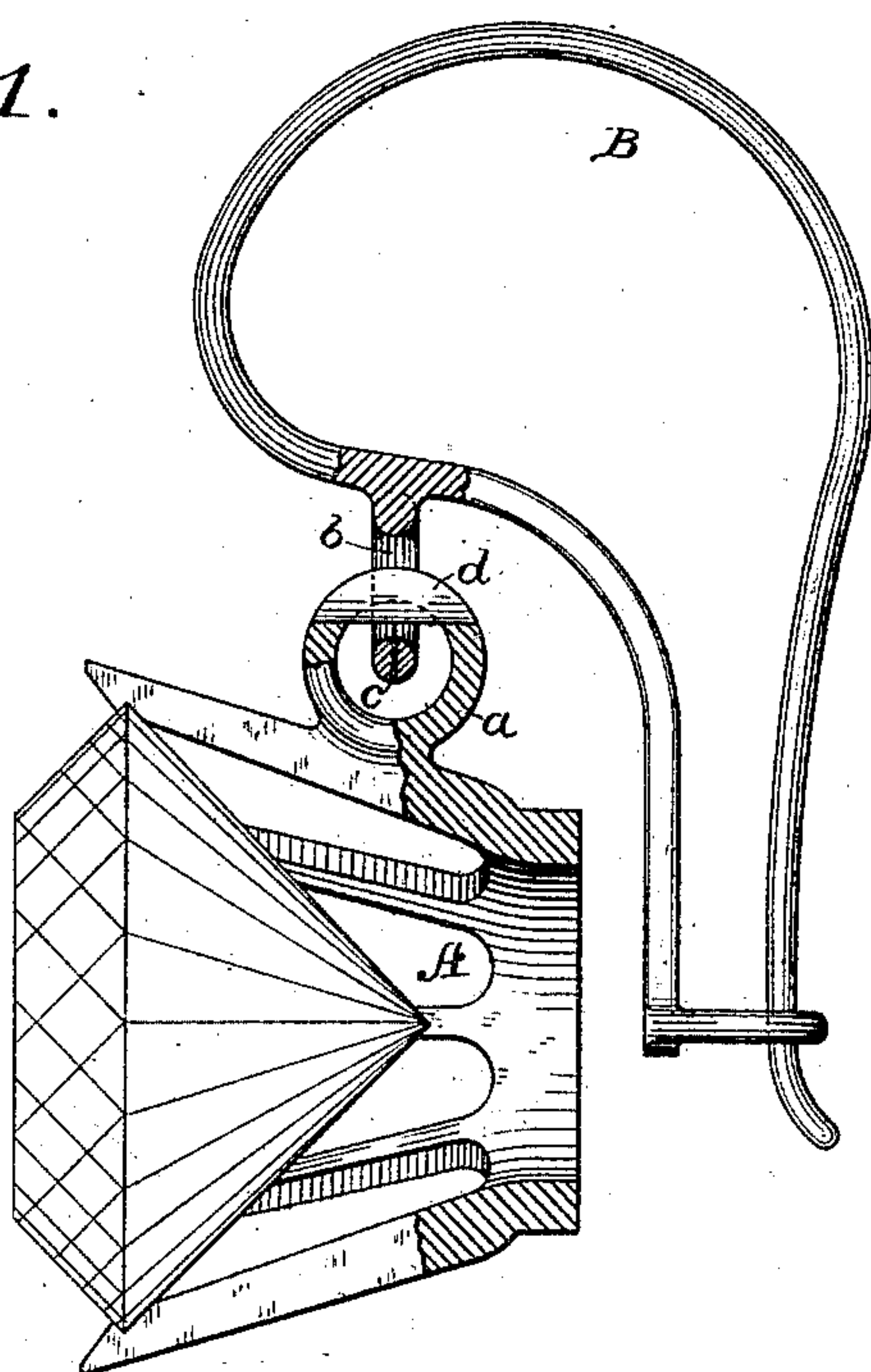
L. F. BROOKS.

EAR RING.

No. 398,126.

Patented Feb. 19, 1889.

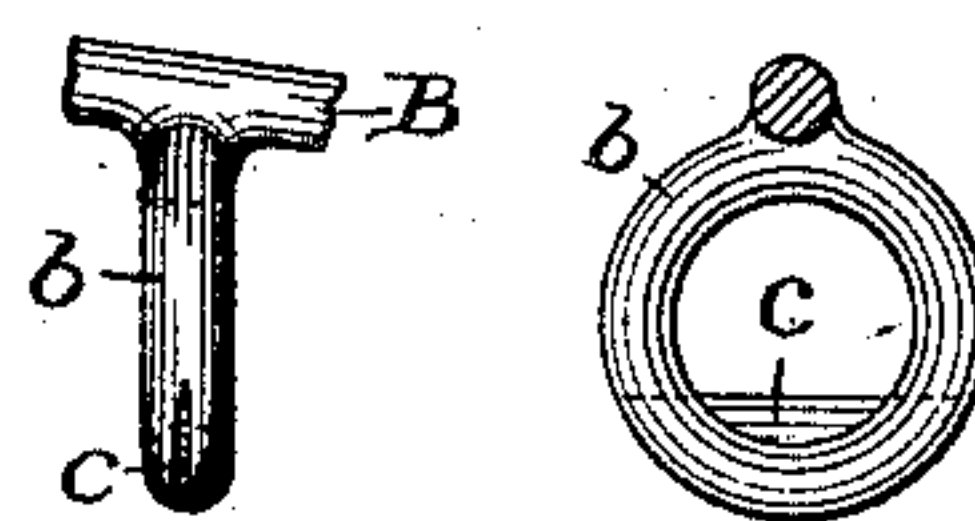
Fig. 1.



Figs. 2.



Figs. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

LUTHER F. BROOKS, OF BOSTON, MASSACHUSETTS.

EAR-RING.

SPECIFICATION forming part of Letters Patent No. 398,126, dated February 19, 1889.

Application filed June 21, 1886. Serial No. 205,808. (No model.)

To all whom it may concern:

Be it known that I, LUTHER F. BROOKS, of Boston, Suffolk county, Massachusetts, have invented a certain new and useful Improvement in Ear-Rings, of which the following is a specification.

My invention relates to that class of ear-rings in which the pendant or drop is loosely connected with the ear loop or support by means of a pivot or bearing, which permits the free and easy vibration or oscillation of the drop, whereby the brilliancy or scintillating effect of the jewel set in the drop is greatly enhanced.

I am aware that heretofore several ways of connecting the drop with the ear-loop for this purpose have been proposed; but, so far as I am aware, my improvement differs from all such devices, as appears fully from the following description.

In the accompanying drawings, Figure 1 is a side view, partly in section, on an enlarged scale. Figs. 2 and 3 are detail views showing details of construction.

The pendant A is supported upon the ear-loop B by means of two interlocking rings or loops, *a b*, rings being illustrated in the drawings. Across the lower part of the opening of the upper ring I arrange a steel knife-edge, *c*, the edge of which is horizontal or forms a chord of the circle. A similar steel knife-edge, *d*, is arranged across the upper part of the opening of the ring or loop connected with the pendant. It will be observed that by such a construction the pendant is supported on the ear-loop by two knife-edges arranged at right angles to each other. The pendant is therefore supported with great delicacy and oscillates in response to the slightest vibration or disturbance, thus displaying most beautifully the brilliancy and sparkle of the gem. Of course by using knife-edges the delicacy of the connection is increased, and where properly-hardened steel is employed there is no perceptible deterioration on account of wear. This is the construction which I prefer; but the opposing horizontal bear-

ing-edges, of steel or other suitable hard material, need not necessarily be formed with a knife-edge, but they might, if thought desirable for any reason, be rounded on the edges. The manner in which I prefer to set the steel pieces or bearings in the rings is shown fully in the drawings—that is, a longitudinal slot is sawed in each ring to such a depth as to present the edge of the steel plate or wire, or whatever may be used, at the proper point within the ring-opening. The steel piece *c* or *d* is then inserted into the sawed slot and secured therein.

I am aware that it has been proposed to place interior steel rings with sharp edges inside of the ordinary interlocking supporting-rings, and I do not therefore claim such a device as within the scope of my invention; nor do I claim as my invention, broadly, a hanging for jewel-setting having a knife-edged bearing between the jewel-setting and the supporting-piece.

I claim as my invention—

1. The combination of the loop and drop and the connection or bearing between them, consisting of two opposed pieces of hard metal having their straight horizontal bearing-edges arranged transversely to each other.

2. The combination of the loop and drop and the connection or bearing between them, consisting of two opposed pieces of steel or other hard metal having straight horizontal knife-edges arranged transversely to each other.

3. In an ear-ring setting, the combination of a supporting ring or loop having a slot formed therein, and a hard-metal plate or bearing-piece secured in said slot having a straight horizontal bearing-edge which extends across the opening in the ring or loop parallel with the chord of its curve.

In testimony whereof I have hereunto subscribed my name.

LUTHER F. BROOKS.

Witnesses:

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