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C. SILVERMAN
EARRING CONSTRUCTION
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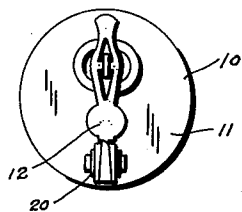


Fig. 1

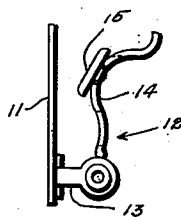


Fig. 2

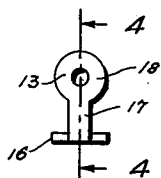


Fig. 3

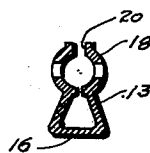


Fig. 4

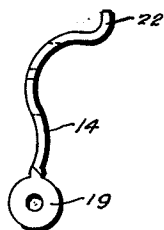


Fig. 5

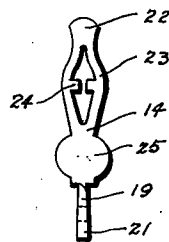


Fig. 6

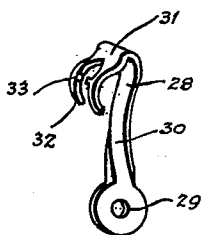


Fig. 9

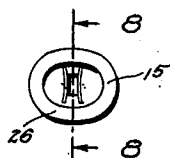


Fig. 7



Fig. 8

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EARRING CONSTRUCTION

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4 Claims. (Cl. 63—14)

1

The present invention relates to the jewelry art, and has particular reference to earring constructions.

The principal object of the invention is to provide a novel earring clamp which effectively holds the earring on the ear lobe without excessive pressure.

Another object of the invention is to utilize an ear lobe contact element which adjusts itself to the ear lobe.

Still another object is to provide a simple pivot construction for the clamp parts which interposes an effective resistance to opening movement of the clamp.

A further object is to provide a manually engageable clamp part for facilitating opening and closing of the clamp.

An additional object is to provide an improved construction for an earring clamp which utilizes stamped out and easily assembled parts.

With the above and other objects and advantageous features in view, the invention consists of a novel arrangement of parts more fully disclosed in the detailed description following, in conjunction with the accompanying drawings, and more specifically defined in the claims appended thereto.

In the drawings:

Fig. 1 is an elevation of the novel earring clamp;

Fig. 2 is a side view thereof;

Fig. 3 is an enlarged elevation of the clamp base;

Fig. 4 is a section of the line 4—4 of Fig. 3;

Fig. 5 is an enlarged side view of the clamp lever;

Fig. 6 is a front view of the clamp lever of Fig. 5;

Fig. 7 is a front enlarged view of the ear lobe contact disk;

Fig. 8 is a section of the line 8—8 of Fig. 7; and

Fig. 9 is a perspective view of a modified clamp lever construction.

It has been found desirable to provide an earring clamp which effectively holds the earring on an ear lobe without excessive pressure, which is readily mounted on and removed from the ear, and which has a contact disk which adjusts itself comfortably to and firmly engages the ear lobe. To this end, I have devised a novel earring clamp comprising a base which is secured to the ornament part of the earring, a clamp lever which is pivotally mounted in the base with the pivot engaging parts shaped to provide an enlarged annular engaging area, and a contact disk which

2

is mounted on the lever with a limited universal connection so as to permit the contact disk to adjust itself comfortably to the ear lobe.

Referring to the drawings, the assembled earring 10 includes an ornament 11 of any desired shape and form and made of any suitable material, and a clamp assembly 12, the assembly comprising a base 13 which is secured to the back of the ornament 11, as by soldering, a lever 14 which is pivotally mounted in the base 13, and a contact disk 15 which is mounted on the lever 14 and has limited universal movement relative thereto.

The base 13, see Figs. 3 and 4, is preferably made of stamped metal, and includes a lower portion 16 which is preferably large enough to be readily soldered to the back of the earring ornament, and two upstanding arms 17 which have pivot ends 18 of semi-spherical form, as illustrated, and are dished to receive the lower end 19 of the lever 14, a rivet of standard type locking the parts together. The dished ends 18 exert a resilient pressure on the lower end of the lever and provide spaced annular bearing surfaces 20 of relatively large size, thus providing a compensation for any uneven or excessive riveting pressure and preventing "freezing" of the ends over the lower end 19 of the lever. If desired, the lower end 19 of the lever may have its sides tapered to be slightly thickened at its ornament edge as indicated at 21 to permit a slight binding action when the clamp is in ear lobe gripping position, the annular bearing surfaces being tapered slightly as disclosed in Fig. 4 to permit an increased friction grip when the lever is in upright position.

The lever 14, see Figs. 5 and 6, is of stamped metal, curved as illustrated, with a slightly enlarged upper end 22 which provides a manually engageable part for opening the clamp, an intermediate lateral enlargement 23 which is pierced or cut out to provide two pivot fingers 24 extending towards and aligned with each other, and a lower enlargement 25 which serves as an abutment for facilitating manual pressure to close the clamp parts to gripping position.

The ear lobe contact disk 15, see Figs. 7 and 8, is also preferably made of stamped metal, although it may be made of other suitable material, and is in the form of an enlarged oval provided with an upstanding rim 26 which is rounded, the disk having a rearwardly extending curved bar 27 struck from the main body of the disk and forming a loop into which the pivot fingers 24 of the clamp lever are received, the fingers being initially slightly raised to receive the bar 27 and

then being bent to aligned position within the bar 27. This mounting provides a limited universal movement which permits the contact disk to snugly adjust itself to the ear lobe with a substantial engaging area, the ear lobe being pressed into and within the upstanding rim to obtain a comfortable and very effective lock.

When attaching the earring to the ear lobe the lever 14 is first moved outwardly to permit the earring to be slipped over the ear lobe, the ornament being on the outside and the clamp on the inside. The clamp lever is now pressed inwardly to engage the contact disk with the ear lobe, the adjusting movement of the disk and its substantial contact area providing a comfortable but firm lock. To remove the earring, the upper end of the clamp lever is moved outwardly by the finger to swing the lever and its contact disk away from the ear lobe.

If desired, the clamp lever may be formed as illustrated at 28 in Fig. 9, with pierced lower end 29, twisted with respect to an arched shank 30, and bent over at the upper end to form a finger engageable end 31 and to provide spaced curved downwardly extending portions 32 having aligned fingers 33 which correspond to the fingers 24. This construction is simpler to manufacture.

While I have described specific constructional embodiments of the invention, any desired changes in the size, the shape, and the material of the parts, and in their relative arrangement, may be made to suit different earring designs, within the spirit and the scope of the invention as defined in the appended claims.

I claim:

1. A clamp for an earring ornament, comprising a base adapted to be secured to the back of the ornament, a lever pivotally mounted in said base, said lever having an enlargement provided with spaced pivot fingers extending towards each other, and an ear lobe contact disk pivotally mounted on said spaced pivot fingers.

2. A clamp for an earring ornament, comprising a base adapted to be secured to the back of the ornament, said base having spaced dished bearing ends, a lever pivotally mounted between said dished bearing ends, said lever having an

enlargement provided with spaced pivot fingers extending towards each other, and an ear lobe contact disk, said disk being oval and having a rounded upstanding rim and a central bar pivotally engaging the spaced pivot fingers of said lever.

3. A clamp for an earring ornament, comprising a clamp lever base adapted to be secured to the back of an ornament, a clamp lever having its lower end pivotally secured to said base, said lever having a contact disk support intermediate its ends including two pivot fingers extending towards each other in spaced alignment, and a contact disk having a rearwardly extending curved bar forming a loop pivotally mounted on said spaced aligned pivot fingers.

4. A clamp for an earring ornament, comprising a clamp lever base adapted to be secured to the back of an ornament, said base having spaced bearing ends having slightly tapered gripping surfaces with their lower portions closer together, a clamp lever having a disk at its lower end rotatably mounted between said gripping surfaces, said disk having inclined surfaces and being thicker at the lower portion thereof, and an ear lobe contact disk pivotally mounted on said clamp lever.

CHARLES SILVERMAN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
20,183	Lancelott	May 4, 1858
943,185	Girdany	Dec. 14, 1909
1,728,266	Fassnacht	May 25, 1928
2,170,073	Hess	Aug. 22, 1939
2,303,267	Goodwin	Nov. 24, 1942
2,313,668	Placco	Mar. 9, 1943
2,383,237	Buick	Aug. 21, 1945
2,416,588	Martin	Feb. 25, 1947
2,423,905	Schuler	July 15, 1947

FOREIGN PATENTS

Number	Country	Date
6,012	Germany	Jan. 17, 1879