Feb. 3, 1948. E. FARKAS 2,435,344

EARRING

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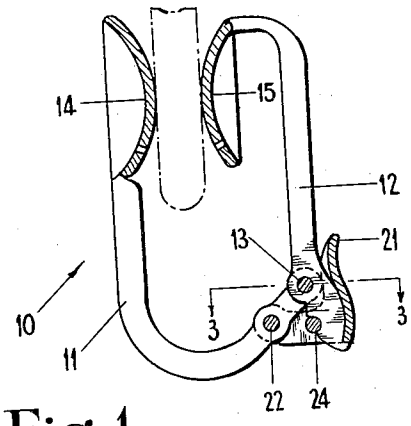


Fig. 1.

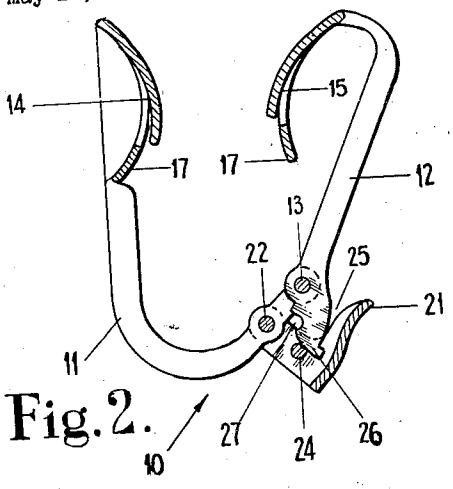


Fig. 2.

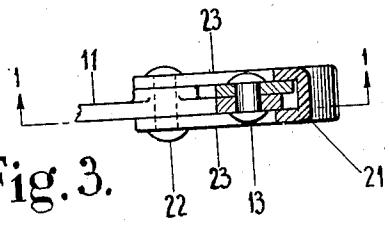


Fig. 3.

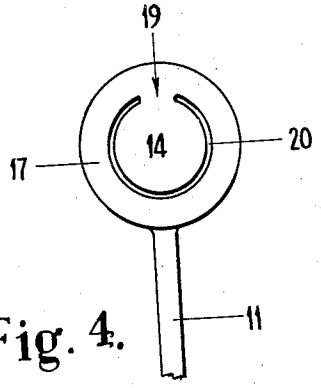


Fig. 4.

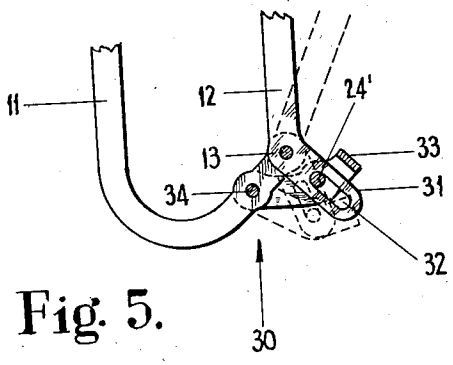


Fig. 5.

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EARRING

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3 Claims. (Cl. 63—14)

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This invention relates to an earring having a non-piercing clamping bow which is actuated by toggle linkage to bring two opposed convex clamping plates into positive gripping position on an ear lobe.

An object of this invention is to provide a clamping bow type earring having non-swivelling clamping plates which are integral with the arms of the bow to press the ear lobe from opposite sides and with a diminishing pressure radiating from a point of contact.

Another object of this invention is to provide a clamping type earring having clamping plates that are integral with housings forming portions of the bow elements, the structure being such that the clamping plates are movable slightly with respect to the housings, each plate having an element of resiliency.

Another object of this invention is to provide a bifurcated toggle-link pivotally mounted on a pivot in the stationary bow element, the toggle element having a pin transversely thereof and adapted to enter a receiving means in the lower portion of the movable bow element for locking the bow elements in ear engaging position.

With the above and other objects in view, the invention will be hereinafter more particularly described, and the combination and arrangement of parts will be shown in the accompanying drawings and pointed out in the claims which form part of this specification.

Reference will now be had to the drawings, wherein like numerals of reference designate corresponding parts throughout the several views, in which:

Figure 1 is a cross-sectional view of the earring in operative position on an ear lobe, the section being taken as on line 1—1 in Figure 3, the view being on an enlarged scale.

Figure 2 is a cross-sectional view of the earring in open position, similar to that shown in Figure 1.

Figure 3 is a cross-sectional view of a fragmentary portion of the earring, the section being taken as on line 3—3 in Figure 1.

Figure 4 is a view of a fragmentary portion of the earring on an enlarged scale, showing a convex clamping plate.

Figure 5 is a view of a fragmentary portion of a modified earring.

In the illustrated embodiment of the invention, the numeral 10 indicates an assembled earring embodying my invention and comprising a clamping bow composed of a stationary bow element 11 and a movable bow element 12 hinged on a pivot 13 to the stationary element 11.

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As shown in Figures 1 and 2, the free ends of the bow elements have integral clamping plates 14, 15 with convex surfaces facing each other.

As best shown in Figure 1, which shows the earring in operative position on an ear lobe, it will be seen that the convex clamping plates 14, 15 provide point contact on the ear lobe from opposite sides and with a diminishing pressure radiating from the point of contact.

As best shown in Figures 2 and 4, it will be seen that the convex clamping plates 14, 15 are integral with annularly shaped housings 17 from which the clamping plates are pressed out. It will be noted that the clamping plates 14, 15 have an element of resiliency.

As best shown in Figure 4, it will be seen that the clamping plates 14, 15 have circular outer peripheries, the plates being integrally connected with the housings 17 only at minor portions of their circumferences, as indicated by the numeral 19. Circular clearances 20 are formed between the plates 14, 15 and the housings 17.

A toggle-link 21 is mounted on a pivot 22 in the stationary bow element 11. The toggle-link 21 is bifurcated, the bifurcation being defined by sidewalls 23, 23.

The toggle-link 21 has a pin 24 transversely thereof and positioned between the pivot 22 and the walls defining the bifurcation. A through passageway 25 is formed in the toggle-link 21.

It is to be noted that the movable bow element 12 has an extension 26 on the side opposite the clamping plate 15. The extension 26 has a cavity or receiving means 27 which, as best shown in Figure 1, serves for locking the bow elements 11 and 12 in ear engaging position.

Figure 5 shows a modified linkage 30 for the bow elements 11 and 12. The linkage 30 comprises a lower extension 31 on the bow element 12 which has a slot 32 therethrough. A bifurcated toggle-link 33 is pivotally mounted on a pin 34 in the bow element 11.

It is to be noted that the extension 31 is in angular relation with the bow element 12. The linkage shown in dotted lines shows the bow elements in open position. The solid lines show the closed position of the bow elements. The slot 32 forms a continuous or positive contact with a pin 24' in the bifurcated toggle link 33.

The convex clamping plates 14 and 15 which contact the ear lobe are adjustable and are in position so that they can be manually drawn in and out in relation to the housings 17, so as to fit ear lobes of different thicknesses.

In accordance with the patent statutes I have

described and illustrated the preferred embodiment of my invention, but it will be understood that various changes and modifications can be made therein without departing from the spirit of the invention as defined by the appended claims.

I claim:

1. In a clamping earring of the bow type comprising in combination, a clamping bow composed of a stationary bow element and of a movable bow element hinged to said stationary element, the free ends of said bow elements having integral clamping plates with convex surfaces facing each other, said surfaces in operative position providing point contact on an ear lobe from opposite sides, a toggle link pivotally mounted on said stationary element, and having passage means therethrough, said movable element having an extension opposite said free end and designed to pass through said passage means, said toggle link having a pin transversely thereof and positioned between its pivotal mounting and the walls of said passageway to swing said movable bow element whereby said movable clamping plate is moved towards said stationary clamping plate.

2. In a clamping earring of the bow type comprising in combination, a clamping bow composed of a stationary bow element and of a movable bow element hinged to said stationary element, the free ends of said bow elements having integral clamping plates with convex surfaces facing each other, said surfaces in operative position providing point contact on an ear lobe from opposite sides, a toggle link pivotally mounted on said stationary element, and having passage means therethrough, said movable element having an extension opposite said free end and designed to pass through said passage means, said toggle link having a pin transversely thereof and positioned between its pivotal mounting and the walls of said passageway to swing said movable bow element, whereby said movable clamping plate is moved towards said stationary clamping plate, said extension having receiving means for said pin for locking said bow elements in ear engaging position.

3. The invention as defined in claim 2, wherein said clamping plates are integrally connected with said bow elements only at minor portions of their circumferences, whereby an element of resiliency is imparted to said plates.

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