

JEWELRY ITEM, METHOD OF MANUFACTURING A CLOSURE FOR JEWELRY ITEM,
FINDING FOR AN EARRING, KIT OF RTS FORMING THE FINDING, AND EARRING
CONSTRUCTED FROM THE KIT

FIELD AND BACKGROUND OF THE INVENTION

5 The present invention, in some embodiments thereof, relates to closures and findings, and more particularly but not exclusively to closures and findings for items such as jewelry, especially rings, bracelets and earrings and including Huggie earrings, as well as, jewelry items containing the closures and findings combined with a mounting.

10 Rings with closures are useful in the case of fingers whose sizes change over the course of a lifetime, not an uncommon phenomenon. As well as change in size, arthritic joints can make it painful to allow closely fitting rings or bracelets to slide over.

 Huggie earrings are a popular style of earring and are so-called because the setting hugs the earlobe. Many custom jewelers make huggie earrings because of the
15 many varieties of setting that can be used. For example, stones may be channel set in huggie earrings. Settings for huggie earrings may come in different shapes and sizes, including hearts, rectangles, ring shapes and horseshoes.

 Huggie earrings generally have closure mechanisms which provide an open position in which the pin is exposed for insertion or removal from the piercing, and a
20 closed position for holding the earring in position once inserted.

 Fig. 1A shows a basic ring-shaped huggie earring in profile and seen side on. The setting is hinged so that the earring can be opened. The earring is then inserted into the piercing and may then be closed to hold the earring securely in place. A catch holds the hinged part in position in the closed position and may be released in order to open
25 the earring.

 Fig. 1B shows a profile and perspective view of a huggie earring with five rows of gemstones in the setting, placed using an invisible setting technique.

 Fig. 1C shows a profile and side-on view of another huggie earring with gemstones set in two rows using an invisible setting technique.

30 The closure mechanism in each case consists of a sprung catch with a release mechanism. The catch and release mechanism consists of several moving parts, each of which can be a separate cause of failure so that each moving part reduces the overall life

expectancy of the product. In addition, the catch and release mechanism is intrinsically awkward to use since it must be operated whilst on the ear of the wearer, a position which the wearer is unable to see so must work on touch alone.

5 SUMMARY OF THE INVENTION

According to one embodiment of the present invention there is provided a jewelry item, the jewelry item having a ring part pivotally attached to a closure at one end, the closure spanning the continuity of the ring from an end of the ring part and comprising a ring continuation arm extending in continuity of the ring and pivotally
10 attached to an end of the ring part at a pivoted connection, the closure further comprising a bias arm extending along with the ring continuation arm along the ring continuity, the bias arm comprising a spring part and a lever part pivotally attached to each other, a connection between the lever part and the ring part being rigid, so that as the ring part is opened, the lever part is configured to rotate inwardly towards an interior
15 of the item, pulling the pivoted end of the spring part, the spring part having a natural shape of smaller circumference than the ring part so that once a certain extent is reached, the spring part pulls the lever part towards the spring part in order to allow the spring part to attain its smaller diameter and thus establish a stable open position, the lever further on closure of the ring part, being configured to push the spring part
20 outwardly towards the ring continuation arm to establish a second stable position to close the closure.

As well as the jewelry item itself, the embodiments may relate to the closure, to the finding, and to a kit of parts to construct the closure or the finding or the full jewelry item.

25 In an embodiment, the lever part is relatively shorter than the spring part.

In an embodiment, the jewelry item comprises an earring, the earring comprising a pin for insertion into an ear, and the closure being for closing the pin against the ring part, a first end of the closure being on the ring and the second end being a free end, the closed position being a position in which the closure abuts against the pin to close the
30 earring and the open position being a position in which the closure is spaced away from the pin to open the earring.

In an embodiment, the jewelry item comprises a ring or a bracelet, the ring comprising a band and the closure being incorporated into the band, the closed position being a position in which the closure closes the band to a uniform ring circumference and the open position being a position in which the band is opened beyond the circumference.

In an embodiment, the spring part extends inwardly of a circumference of the ring continuity when the closure is opened.

In an embodiment, the spring part remains within the outer circumference when the closure is opened.

In an embodiment, the spring part is approximately four times as long as the lever part.

In an embodiment, the bias arm is continuous with a ring structure of the jewelry item.

An embodiment may provide a huggie style earring.

According to a second aspect of the present invention there is provided a jewelry item comprising a ring part and a closure, the closure being continuous with the ring part and connecting to the ring part at a first end, the closure comprising a continuation of the ring part and a spring arm pivoted to the continuation at a first location thereon and further pivoted to the ring part at a second location, the continuation having a pivoted hinge located at the first end, the first end being between the first location and the second location, thereby providing the closure with a first open stable position and a second closed stable position and a snapping motion between the first and second stable positions.

In an embodiment, the connecting between the ring part and the continuation is via a pivot.

In an embodiment, the connecting between the ring part and the continuation is continuous.

In an embodiment, the first end is closer to the first location than to the second location.

In an embodiment, the jewelry item comprises an earring, the earring comprising a setting and a pin, and the closure for closing over the pin, the first end being on the setting and the second end being a free end of the pin, the first position being a position

in which the closure connects to the pin to close the earring and the second position being a position in which the closure is spaced away from the pin to open the earring, or wherein the jewelry item comprises a ring or a bracelet, the ring comprising a band and the closure being incorporated into the band, the first and second ends being on the band, the first position being a position in which the closure connects the band to close the ring and the second position being a position in which the closure opens the band.

In an embodiment, the leaf spring sits within an outer circumference of the item when the closure is closed, and the leaf spring extends outwardly of the outer circumference when the closure is opened.

According to a third aspect of the present invention there is provided a method of manufacturing a closure for a jewelry item, comprising:

providing a ring part;

constructing a closure by providing a segment within the ring part, the segment being attached at one end to the ring part, a second end being free to open and close;

providing a leaf spring, the leaf spring being attached at one end to the ring part and at a second end to a first pivot on the segment;

providing an intermediate pivoted joint within the segment between the attached end and the first pivot; thereby configuring the closure to flip between two stable positions.

Unless otherwise defined, all technical and/or scientific terms used herein have the same meaning as commonly understood by one of ordinary skill in the art to which the invention pertains. Although methods and materials similar or equivalent to those described herein can be used in the practice or testing of embodiments of the invention, exemplary methods and/or materials are described below. In case of conflict, the patent specification, including definitions, will control. In addition, the materials, methods, and examples are illustrative only and are not intended to be necessarily limiting.

BRIEF DESCRIPTION OF THE DRAWINGS

Some embodiments of the invention are herein described, by way of example only, with reference to the accompanying drawings. With specific reference now to the drawings in detail, it is stressed that the particulars shown are by way of example and for purposes of illustrative discussion of embodiments of the invention. In this regard,

the description taken with the drawings makes apparent to those skilled in the art how embodiments of the invention may be practiced.

In the drawings:

FIGs. 1A-1C are examples of prior art huggie earrings;

5 FIG. 2 is a perspective view of a huggie earring according to a horseshoe embodiment of the two-stable positions feature with the closure in a closed position;

FIG. 3 is a two-dimensional view of the earring of FIG. 2;

FIG. 4 is a perspective view of the huggie earring of FIG. 2 with the closure in an open position;

10 FIG. 5 is a two-dimensional view of the earring of FIG. 4;

FIG. 6 is a perspective view of a huggie earring according to a round embodiment further illustrating the principle of the two stable positions;

FIG. 7 is a two-dimensional view of the huggie earring of FIG. 6;

15 FIG. 8 is a two-dimensional view of the huggie earring of FIG. 6 in an open position;

FIG. 9 is a schematic drawing showing a looped leafspring in a first stable position;

FIG. 10 is a schematic drawing showing a looped leafspring in a second stable position;

20 FIG. 11 illustrates a huggie earring according to a first embodiment of the present invention in which an intermediate pivot is used to lock the closure into either of the two stable positions.

FIG. 12 is a side view of the earring of FIG. 11;

FIG. 13 is a perspective view of the earring of FIG. 11;

25 FIG. 14 is a side view of the earring of FIG. 11 in a closed position;

FIG. 15 is a side perspective view of a huggie earring according to a second embodiment of the present invention in a closed position;

FIG. 16 is a side view of the earring of FIG. 15;

FIG. 17 is a view of the closure mechanism of the earring of FIG. 15;

30 FIG. 18 is a side view of the huggie earring of FIG. 15 in an open position;

FIG. 19 is a side perspective view of the huggie earring of FIG. 15;

FIG. 20 is a side view of a huggie earring according to a third embodiment of the present invention in an open position;

FIG. 21 is a side perspective view of the huggie earring of FIG. 20;

FIG. 22 is a perspective view of a ring in a closed position according to an
5 embodiment of the present invention;

FIG. 23 is a perspective view of the ring of FIG. 22 in an open position;

FIGs. 24A and 24B are different views of a huggie earring constructed according to the present embodiments;

FIGs. 25A and 25B are different views of another huggie earring constructed
10 according to the present embodiments;

FIGs. 26A, 26B and 24C are different views of yet another huggie earring constructed according to the present embodiments;

FIG. 27A illustrates two kits of parts to construct two different findings for a huggie earring according to the present embodiments;

15 FIG. 27B illustrates the two kits of parts of FIG. 27A after partial and full construction respectively; and

FIGs. 28A, 28B and 28C illustrate the huggie earring of FIG. 26 constructed and as a kit of parts.

20 DESCRIPTION OF SPECIFIC EMBODIMENTS OF THE INVENTION

The present invention, in some embodiments thereof, relates to closures and findings for articles such as items of jewelry, and more particularly but not exclusively to jewelry, for example rings, bracelets and earrings, such as huggie earrings. The invention may also relate to the items of jewelry themselves.

25 An earring may have a setting and a pin, and a closure for closing over the pin. The pin and closure comprise the finding. The closure consists of a leaf spring extending outwardly in a first loop part from a first location on the setting and looping back in a second loop part to a second location adjacent the first location on the setting. The loop parts each have shape memory and are set with different remembered shapes.
30 The two different remembered shapes work against each other to flip the closure between two stable positions, a first position in which the closure connects to the pin to

close the earring and a second position in which the closure is spaced away from the pin to open the earring. The design is particularly suitable for a huggie style earring.

A one part locking mechanism piece may thus be made of such a looped over leaf spring. The leaf spring may have two pivoted hinges or soldered joints fixed to the setting and may always flip between one of two stable positions caused by two remembered shapes of each half of the loop working against each other. The mechanism consists of a single part and thus does not have the problems of known earrings because there is no isolated spring or catch or other separate parts, thus reducing the overall failure rate.

The looped over leaf spring thus provides a catch mechanism based on the two stable states, an open state allowing attachment and detachment of the earring from the earlobe and a closed state, locking the earring in position on the earlobe. The mechanism is applicable not just to huggie style earrings but to any kind of earring or any other piercing or any kind of jewelry which requires an easy to operate mechanism for locking in position.

The looped over leaf spring may be made of two different metals fused together to enhance the shape memory.

Figs. 1A-1C are discussed in the background and show examples of three huggie earrings of the known art. Each of the earrings shown has a closing mechanism that comprises a hinge with a spring or other type of locking mechanism, the additional parts increasing the failure rate.

Before explaining at least one embodiment of the invention in detail, it is to be understood that the invention is not necessarily limited in its application to the details of construction and the arrangement of the components and/or methods set forth in the following description and/or illustrated in the drawings. The invention is capable of other embodiments or of being practiced or carried out in various ways.

Referring now to the drawings, Figure 2 is a simplified diagram showing a schematic three-dimensional perspective view of a huggie earring illustrating the principle of the two stable positions. Fig. 3 is a two dimensional profile of the same embodiment. In Fig. 2, a huggie earring 10 comprises a pin 12 for fitting through the piercing, a front setting part 14 and a closure part 16. The closure part 16 comprises a leaf spring element 18 that forks into upper 20 and lower 22 leaf spring continuations or

prongs. From another point of view the leaf spring starts at one prong, extends to base element 18 and loops back as the other prong. Each of the leaf spring continuations is attached separately by a respective hinge 24 and 26, to the setting 14. The hinges or pivots allow each leaf spring continuation to rotate independently, and thus give rise to two stable positions as will be detailed below and include a mechanism for flipping or jumping between them.

The balance of forces between the two leaf spring continuations mandates two stable positions, one as shown in Figs. 2 and 3 in which the earring closure is closed and a second position where the earring is open and the pin is free to be inserted and removed from the ear piercing. This contrasts with the prior art systems of Fig. 1 where a single hinge is spring loaded to flip between open and closed positions.

Reference is now made to Figs 4 and 5, which are 3D perspective and 2D face on views of the huggie earring of Fig. 2 in the open position. Parts that are the same as in preceding figures are provided with the same reference numerals and are not described again except as needed for understanding the present figure.

In Fig. 4 the closure part 16 has been opened by rotating closure end 18, causing leaf spring continuations 20 and 22 to rotate on pivots 24 and 26 and reach a second stable position. An inclusion 28 on the pin catches the lower end of the closure when in the first stable position, that is the closed position.

Figs. 6-8 illustrate a rounded version 30 of a huggie earring. Fig. 6 is a simplified 3 dimensional perspective view of the rounded earring 30. Fig. 7 is a two dimensional view showing a cross-section of the earring, and Fig. 8 is a two dimensional view showing the earring in the open position. In rounded earring 30 the top 32 of the closure 16 is a bar. Leaf springs 34 and 36 extend at right angles from two different locations at different heights of the bar 32 and curve downwards. At the far end the leafsprings are soldered or welded onto respective locations on the setting 14. From another point of view a single continuous leaf spring begins at one of the welds, loops up via bar 32 and then continues down the leaf spring extension to the second weld. The springiness of the two leafsprings 34 and 36 allows them to alternate between two stable positions as in the previous embodiments. Pivots however could be used as an alternative, and for that matter, soldering could be used on the horseshoe shaped earring 10.

Reference is now made to Figs 9 and 10 which further illustrate the principle of the two stable positions. A single continuous length of leafspring 40 is curved back on itself and moves under the constraint that the two ends 42 and 44 of the leafspring are fixed. The two sides of the leafspring push against each other as they attempt to move within the constraints. The leafsprings typically have a shape memory so that two equilibrium positions can be defined, such as those shown in Fig. 9 and Fig. 10. That is to say a different shape may be provided to each side of the looped leafspring and then the closure is flipped between a first stable position where a first side is dominant and a second stable position where the second side is dominant.

The position in Fig. 9 may be used to provide the closed position of the huggie earring and that of Fig. 10 may provide the open position of the earring.

Reference is now made to Fig. 11, which shows a huggie earring 50 according to an embodiment of the present invention. The huggie earring has a ring part 52 extending from an ear insertion part 54. The ring part is pivotally attached to a closure 56 at one end, the ear insertion part being located at the other end. The closure 56 spans the continuity of the ring from the end of the ring part 52 back to the ear insertion part 54. The closure 56 comprises a ring continuation arm 58 extending in continuity of the ring and pivotally attached to the end of the ring part 52 at pivoted connection 60. An inner arm 63 underlies the ring continuation arm 58 and itself consists of two sections, arm part 64 and a lever part 66. The two sections 64 and 66 are pivotally attached to each other at pivot 68. The lever part 66 and the ring part 52 is continuous, so that as the ring part is opened, lever part 66 rotates inwardly towards the interior of the ring, pulling the pivoted end of the inner part 64. The spring part 58 has a natural shape of a larger circumference than the ring part so that once a certain extent is reached, the spring part 58 pulls the inner part 64 towards the spring part in order to allow the spring part to attain its larger diameter and this establishes a stable open position.

As the ring part is closed, the lever, 66, pushes the ring continuation arm 58, which is the spring part to establish a second stable position, which closes the earring. In the second stable position the lever 66 simply presses part 64 against the ring continuation part 58. The pivot 68 may be considerably closer to the ring part 52 than to the ear insertion part 54, so that the inner arm is around four or six times longer than the lever part.

FIG. 12 is a side view of the earring of Fig. 11, also showing the open position. The same reference numerals used in Fig. 11 are used again.

FIG. 13 is a perspective view of the earring of Fig. 11, and again the same reference numerals are used. Here it is seen that the closure is a triple arm wherein the ring spring part 56 consists of two outer arm parts 58A and 58B and the inner part 66 and lever 64 are a third inner arm part between the two outer arm parts.

FIG. 14 is a simplified drawing showing the earring of Fig. 11 in a closed position. The inner part 64 and lever 66 are pressed into the circumference of the ring to create the stable closed position.

Reference is now made to FIGS 15, 16 17, 18 and 19 which illustrate a further embodiment of the present invention in which the spring part is located radially outwardly of the ring continuation part, and the ring continuation part is articulated. FIG. 15 is a perspective view of the earring when closed. FIG. 16 is a side view and FIG. 17 is a view looking directly downwards onto the closure. FIG. 18 is a side view of the earring in the open position and FIG. 19 is a side perspective view of the same.

A jewelry item 70, in this case a huggie earring, again has a ring part 72 and a closure 74. The closure 74 is continuous with the ring part 72 to form a ring circumference, and connects to the ring part via a hinge part 76. The hinge part 76 has a pivot 78 and provides articulation between the closure 74 and ring part 72. A spring 80 is pivoted between the closure 74 and the ring part across the hinge part, via pivots 84 and 86. In the closed position as in Figs 15 and 16 the spring is continuous with the ring circumference. In the open position as in Figs 18 and 19 the closure is opened and the spring snaps into a stable shape pulling the closure outward of the ring circumference. The result is to provide the closure with a first open stable position to open ear attachment pin 82, and a second closed stable position in which the earring is locked on the ear, and a snapping motion between the first and second stable positions.

Figures 20 and 21 show a variation of the embodiment of FIG. 15 in which there is no separate hinge part. Pivot 78 is mounted on a continuation of the ring part past the point at which the spring 80 is pivoted. Fig. 20 shows a side view of the open position and Fig. 21 shows a side perspective view of the open position.

Reference is now made to FIGs 22 and 23, which show closed and open versions respectively of a ring according to the present embodiments. Although a ring is shown

it will be appreciated that the same applies to a bracelet or bangle or the like. Ring 90 comprising a circumferential band 92 with a closure 94 being continuous with the band. The closure consists of a ring continuation main part 96 which is pivoted onto an extension 98 of the band 92 at pivot 102, and a spring arm 100 which is attached to the band 92 at point 104 which precedes extension 98. The far end of spring arm 100 is pivotally attached to the far end of the closure at pivot 106. The closure is stable in the two positions shown in Figs 22 and 23 respectively and snaps between them.

Reference is now made to FIGs. 24A and 24B, which are different views of a huggie earring constructed according to the present embodiments. The huggie earrings 200 comprise a mounting 202 and a finding 204, wherein the finding includes a closure according to the present embodiments as described hereinabove.

FIGs. 25A and 25B are different views of another huggie earring constructed according to the present embodiments. The huggie earrings 210 comprise a setting 212 and a finding 214, wherein the finding includes a closure according to the present embodiments as described hereinabove.

FIGs. 26A, 26B and 26C are different views of yet another huggie earring constructed according to the present embodiments. In the example of Fig. 26A the finding is itself decorative and there is no separate setting. Fig. 26A illustrates the earring in the open position, and Figs 26B and 26C illustrate the earring at two different angles in the closed position.

Reference is now made to FIG. 27A, which illustrates two different kits of parts, 270 and 272, to construct two different findings for various huggie earrings according to the present embodiments. The finding may be provided in kit form to the high-end jeweler, who will then assemble the finding and mount his own setting.

FIG. 27B shows the first finding 270, in which the closure is constructed but the pin is not, so that the finding is incomplete. The second finding 272 is fully constructed. In both cases the findings are shown prior to the placement of the setting.

FIGs. 28A, 28B and 28C illustrate the huggie earring of Fig. 26 constructed as in Fig. 28 A and as a kit of parts in Figs 28B and 28C.

The terms "comprises", "comprising", "includes", "including", "having" and their conjugates mean "including but not limited to".

The term "consisting of" means "including and limited to".

As used herein, the singular form "a", "an" and "the" include plural references unless the context clearly dictates otherwise.

It is appreciated that all features of the invention, which are, for clarity, described in the context of separate embodiments, may also be provided in combination
5 in a single embodiment, and this document is to be understood as if such features are explicitly included. Conversely, various features of the invention, which are, for brevity, described in the context of a single embodiment, may also be provided separately or in any suitable subcombination or as suitable in any other described embodiment of the invention, and this document is to be understood as though such inclusions are
10 explicitly made. Certain features described in the context of various embodiments are not to be considered essential features of those embodiments, unless the embodiment is inoperative without those elements.

Although the invention has been described in conjunction with specific embodiments thereof, it is evident that many alternatives, modifications and variations
15 will be apparent to those skilled in the art. Accordingly, it is intended to embrace all such alternatives, modifications and variations that fall within the spirit and broad scope of the appended claims.

All publications, patents and patent applications mentioned in this specification are herein incorporated in their entirety by reference into the specification, to the same
20 extent as if each individual publication, patent or patent application was specifically and individually indicated to be incorporated herein by reference. In addition, citation or identification of any reference in this application shall not be construed as an admission that such reference is available as prior art to the present invention. To the extent that section headings are used, they should not be construed as necessarily limiting.

WHAT IS CLAIMED IS:

1. A jewelry item, the jewelry item having a ring part pivotally attached to a closure at one end, the closure spanning the continuity of the ring from an end of the ring part and comprising a ring continuation arm extending in continuity of the ring and pivotally attached to an end of the ring part at a pivoted connection, the closure further comprising a bias arm extending along with the ring continuation arm along said ring continuity, the bias arm comprising a spring part and a lever part pivotally attached to each other, a connection between said lever part and the ring part being rigid, so that as the ring part is opened, said lever part is configured to rotate inwardly towards an interior of said item, pulling the pivoted end of said spring part, the spring part having a natural shape of smaller circumference than said ring part so that once a certain extent is reached, the spring part pulls the lever part towards the spring part in order to allow the spring part to attain its smaller diameter and thus establish a stable open position, the lever further on closure of the ring part, being configured to push the spring part outwardly towards the ring continuation arm to establish a second stable position to close the closure.

2. The jewelry item of claim 1, wherein said lever part is relatively shorter than said spring part.

3. The jewelry item of claim 1, wherein the jewelry item comprises an earring, the earring comprising a pin for insertion into an ear, and the closure being for closing the pin against said ring part, a first end of said closure being on the ring and the second end being a free end, the closed position being a position in which the closure abuts against the pin to close the earring and the open position being a position in which the closure is spaced away from the pin to open the earring.

4. The jewelry item of claim 1, wherein the jewelry item comprises a ring or a bracelet, the ring comprising a band and the closure being incorporated into the band, the closed position being a position in which the closure closes the band to a

uniform ring circumference and the open position being a position in which the band is opened beyond said circumference.

5. The jewelry item of claim 1, wherein said spring part extends inwardly of a circumference of said ring continuity when said closure is opened.

6. The jewelry item of claim 5, wherein said spring part remains within said outer circumference when said closure is opened.

7. The jewelry item of claim 2, wherein said spring part is approximately four times as long as said lever part.

8. The jewelry item of claim 7, wherein said bias arm is continuous with a ring structure of said jewelry item.

9. The jewelry item of claim 2, being a huggie style earring.

10. A jewelry item comprising a ring part and a closure, the closure being continuous with the ring part and connecting to said ring part at a first end, the closure comprising a continuation of said ring part and a spring arm pivoted to said continuation at a first location thereon and further pivoted to said ring part at a second location, said continuation having a pivoted hinge located at said first end, said first end being between said first location and said second location, thereby providing said closure with a first open stable position and a second closed stable position and a snapping motion between said first and second stable positions.

11. The jewelry item of claim 10, wherein said connecting between said ring part and said continuation is via a pivot.

12. The jewelry item of claim 10, wherein said connecting between said ring part and said continuation is continuous.

13. The jewelry item of claim 10, wherein said first end is closer to said first location than to said second location.

14. The jewelry item of claim 10, wherein the jewelry item comprises an earring, the earring comprising a setting and a pin, and the closure for closing over the pin, the first end being on the setting and the second end being a free end of the pin, the first position being a position in which the closure connects to the pin to close the earring and the second position being a position in which the closure is spaced away from the pin to open the earring, or wherein the jewelry item comprises a ring or a bracelet, the ring comprising a band and the closure being incorporated into the band, the first and second ends being on the band, the first position being a position in which the closure connects the band to close the ring and the second position being a position in which the closure opens the band.

15. The jewelry item of claim 10, wherein said leaf spring sits within an outer circumference of said item when said closure is closed, and said leaf spring extends outwardly of said outer circumference when said closure is opened.

16. The jewelry item of claim 10, being a huggie style earring.

17. A method of manufacturing a closure for a jewelry item, comprising:
providing a ring part;

constructing a closure by providing a segment within said ring part, said segment being attached at one end to said ring part, a second end being free to open and close;

providing a leaf spring, said leaf spring being attached at one end to said ring part and at a second end to a first pivot on said segment;

providing an intermediate pivoted joint within said segment between said attached end and said first pivot; thereby configuring the closure to flip between two stable positions.

18. A finding for an earring, the finding comprising a pin and a closure, the closure comprising a ring part pivotally attached at one end, the closure spanning the continuity of the ring part from an end of the ring part and comprising a ring continuation arm extending in continuity of the ring and pivotally attached to an end of the ring part at a pivoted connection, the closure further comprising a bias arm extending along with the ring continuation arm along said ring continuity, the bias arm comprising a spring part and a lever part pivotally attached to each other, a connection between said lever part and the ring part being rigid, so that as the ring part is opened, said lever part is configured to rotate inwardly towards an interior of said item, pulling the pivoted end of said spring part, the spring part having a natural shape of smaller circumference than said ring part so that once a certain extent is reached, the spring part pulls the lever part towards the spring part in order to allow the spring part to attain its smaller diameter and thus establish a stable open position, the lever further on closure of the ring part, being configured to push the spring part outwardly towards the ring continuation arm to establish a second stable position to close the closure.

19. A kit of parts constructable to form the finding of claim 18.

20. An earring constructed from the kit of parts of claim 19 and a mounting.