Dec. 24, 1940. C. SCHWARZKOPF 2,225,890

COMBINED LOCKING AND CLIPPING DEVICE FOR ARTICLES OF JEWELRY

Filed Oct. 21, 1939

Fig. 1.

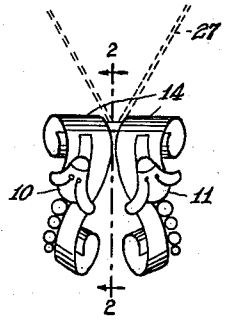


Fig. 2.

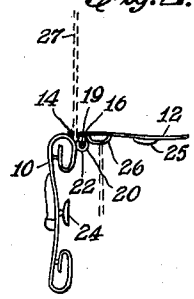


Fig. 3.

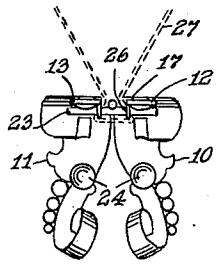


Fig. 4.

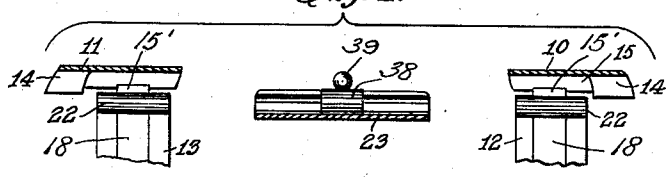


Fig. 5.

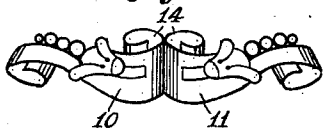


Fig. 6.

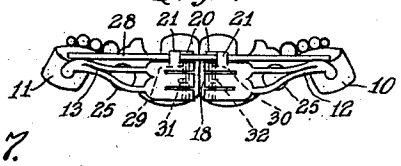


Fig. 7.

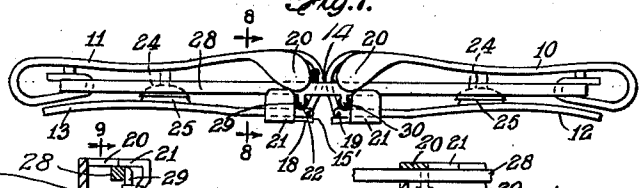


Fig. 8.

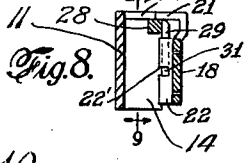


Fig. 9.

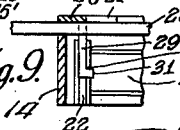


Fig. 11.

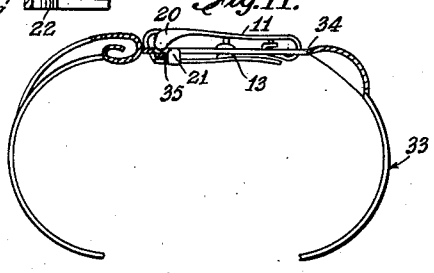


Fig. 10.

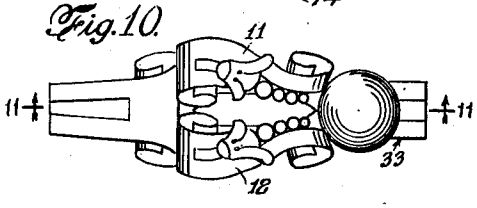


Fig. 12.

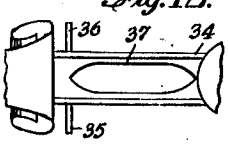


Fig. 13.

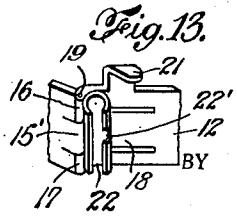
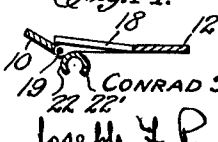


Fig. 14.



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COMBINED LOCKING AND CLIPPING DEVICE FOR ARTICLES OF JEWELRY

Conrad Schwarzkopf, Wyandanch, N. Y.

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7 Claims. (Cl. 63—2)

This invention relates to a combination locking device. More particularly, it applies to a combination locking and clipping device adapted for articles of jewelry which by means of such device may be converted into a brooch, pendant, bracelet or other similar article of jewelry for personal adornment or wear.

It is an object of the present invention to provide a device for use in combination with articles of jewelry which are to be used as a brooch, bracelet, pendant or the like.

More specifically, the object of this invention is to provide an article of jewelry which may be worn as a bracelet, brooch, pendant, ear ring and the like by means of a combination locking and clipping device attached to or forming part of said article and by the means of a simple additional portion.

Another object of the invention is to provide a locking and clipping device in combination with a simple additional member and an article of jewelry for conversion of said article from one type of ornamental wearing piece to another with ease of accomplishment and with a minimum of loss of time for making such change.

Other objects will become apparent from the following description, taken in connection with the accompanying drawing, in which similar reference characters refer to similar parts throughout in the several views.

In the drawing:

Fig. 1 is a front view of an article of jewelry shown as a pendant having the preferred embodiment hereinafter described.

Fig. 2 is an end elevation of Fig. 1 when on line 2—2 showing the embodiment preparatory to locking.

Fig. 3 is a rear elevation view of Fig. 1, showing the embodiment preparatory to locking.

Fig. 4 is a fragmental, enlarged extended, sectional view of a portion of Fig. 3, with an attachable additional member.

Fig. 5 is a front view of the article shown as a brooch.

Fig. 6 is a rear view of Fig. 5.

Fig. 7 is an enlarged side elevation of Fig. 6, showing details.

Fig. 8 is sectional view of the article taken on line 8—8 of Fig. 7 and looking in the direction of the arrows thereof.

Fig. 9 is a section taken on line 9—9 of Fig. 8.

Fig. 10 is a plan view of the embodiment as a bracelet attachment.

Fig. 11 is a sectional view taken on line 11—11 of Fig. 10.

Fig. 12 is a fragmental plan view of a portion of Fig. 11.

Fig. 13 is an enlarged fragmental perspective view of a portion of Fig. 6, and

Fig. 14 is a longitudinal, fragmental sectional view of Fig. 13.

Referring now more particularly to the accompanying drawing, a plurality of ornamental members 10 and 11 are shown having a similarity of design on their front faces. It is to be noted that such design is shown merely for purposes of illustration and of showing the application of the embodiment in combination therewith. Onto the reverse face of each of said members is mounted by any suitable means, a snap member 12 and 13, respectively. Since both parts are of similar construction, only one of said snap members will be described, the other part having corresponding structural parts. On the upper rear face of member 10 is an outwardly and upwardly extending curved portion 14, having a small projecting opening or space 15 and a protruding portion 15'. Said snap member 13 is provided with a plurality of suitably spaced eyelets 16 and 17 respectively forming a spaced hinged, end portion, disposed along the marginal end of the member, while there is an inwardly turned intermediate leaf spring 18 intermediate the eyelets 16 and 17. It is to be noted that said spring 18 is provided with an extension which overlaps the portion 15' when the snap member 12 and the outwardly extending portion are interconnected at opening 15 and eyelets 16 and 17 by means of a pivot member or pin 19, and presses against said portion 15' thus forming a tension thereagainst, as shown in Figs. 13 and 14.

Said extending portion 14 is provided with a lug 20 integral therewith and extending outwardly at right angles of one edge thereof and facing snap member 13. Furthermore, snap member 13 is provided at one marginal edge thereof with a lug 21 extending at right angles thereto and at one marginal edge so as to be in alignment with lug 20 but in spaced diagonally opposite relation thereto, as shown in Fig. 6 of the drawing. Said lug 21 is integral with the snap member and is with lug 20 preferably disposed on the outer edge of the member 10.

Disposed adjacent the eyelets 16 and 17 and extending crosswise of the snap member there is provided a hollow cylindrical member 22. Said member is partly cut away along its longitudinal

axis and faces the interior of extending portion 14. Furthermore, said member is grooved crosswise of its length at 22' for purposes hereinafter indicated.

Adapted to retain members 10 and 11 in relative position as shown in Figs. 1 and 3, there is provided a sleeve member 23 as shown in Fig. 4, adapted to slide over cylindrical member 22 on each of the ornamental members and form a unitary appearance of said members. Said member 23 is provided with a solid middle section 38 adapted to act as a stop against member 22, and a finger catch 39. It is to be noted that member 23 forms a tight fit with cylindrical member 22 on the ornamental members thereby retaining them in fixed position as shown thus keeping the members 10 and 11 in corresponding juxtaposition with their longer axis parallel to each other.

It is to be noted that said member 11 has a concave cup-like member 24 on the reverse face thereof adapted to accommodate a convex grilled member 25 mounted on the inner face of snap member 13, thereby permitting retention of the member onto clothing and the like when an engagement or clamping therewith is made. Furthermore, there is provided a loop member 26 on one of the marginal edges of each of the snap members to retain a chain 27 when the members are used as a pendant as shown in Fig. 1.

In using said ornamental members 10 and 11 as a brooch, they are brought in end to end relation as shown in Figs. 5 and 6, and retained by means of a cross bar 28 extending a substantial length of the brooch as formed. In this use as above indicated, sleeve member 23 is dispensed with. Said bar is provided with a plurality of spaced pin members 29 and 30 depending perpendicularly therefrom, each having a tongue end 31 and 32, respectively. Said pin members are adapted to slide into cylindrical member 22 of the respective ornamental members and permit tongues 31 and 32 to fit into the respective cross groove 22' of the members 10 and 11. Snap members 12 and 13 are moved outwardly on their hinge ends and the pins of bar 28 are slid into the cylindrical members 22 until the bar clears lugs 20 and 21. When this has been done, the members are in close end to end relationship, and the snap members are brought down against the reverse faces of the ornamental members whereby lugs 20 and 21 pass over the edge of bar 28 to thereby prevent removal from the cylindrical members 22. With this connection, the members 10 and 11 cannot become disengaged. It is to be noted that the snap members would press so tightly against the reverse faces of the respective ornamental members that grilled member 25 keeps cloth or hair in firm position therebetween and prevents slippage or loss of the brooch therefrom.

Another application of the present invention is in conjunction with a bracelet 33 as shown in Figs. 10, 11 and 12. Said bracelet is provided at its flattened portion with an integral frame work 34 preferably of rectangular outline adapted to retain ornamental members 10 and 11 as shown in the drawing. Said frame work has a pair of parallel spaced members provided with outwardly projecting pins 35 and 36 respectively, forming a depression or perforation therein. Said pins are adapted to accommodate cylindrical member 22 of each ornamental member. In order to mount the ornamental members on the bracelet, snap members 12 and 13 are initially opened to permit insertion of the respective pins 35 and 36 into the respective cylindrical members. After said members have been pushed in toward the longitudinal axis of the framework 34, the snap members are brought into closed position whereby the lugs 20 and 21 are brought down tightly against the frame work into the depression 37 thereof to prevent lateral outward slippage of ornamental members 10 and 11 from the bracelet. In this manner a tightly fitting connection is made without fear of loss of the disengageable members therefrom.

From the foregoing description, taken in connection with the accompanying drawing, it will be noted that my invention can be used in connection with a brooch, bracelet, pendant and the like. Furthermore, it may be used also in combination with ear clips, hair clips, belt clips, watch clips, hat clips and the like.

The preferred embodiment of my invention as described herein acts as a clasp and locking device which may be interchangeably used with ornamental members by the addition of an accompanying member adapted to keep the locking device in connection with a locking device of like construction. Furthermore, a special clip or snap member is devised for keeping the ornamental members in combination. The individual snap members when joined by an additional sleeve member may be used to form a brooch. There is also provided a cross bar which is held in position by means of a plurality of lugs on the ornamental and snap members. It is to be further noted that cylinder 22 on each snap member acts as a lever by lowering and raising pins 29 and 30 on bar 28 when the snap members are moved toward or away from the ornamental members 10 and 11. Also when the snap members 12 and 13 are in open position, cylindrical member 22 is disposed in a plane different from lugs 20 and 21 to permit insertion of sleeve 23 to join the ornamental members together as shown in Figs. 1 and 3. When the snap members are closed, lugs 20 and 21 are prevented from losing their hold onto bar 28 or frame work 34 as shown in Fig. 12.

While a preferred embodiment of my invention has been described, it is understood that modification as to form, use or arrangement of parts on material may be made without departing from the spirit and scope of my invention.

I claim:

1. A combination locking device for an article of jewelry comprising a snap member, a hollow cylindrical member integral with the snap member and having a cross groove therein, an outer sleeve adapted to slide onto the cylindrical member for joining one article of jewelry to another, a bar member having a perpendicularly extending projection adapted to fit into the cylindrical member and a laterally extending tongue adapted to fit in the cross groove to permit retention of the bar member on the hollow member, and a plurality of lug members disposed in diagonally opposed relation on said snap member for retaining said bar in fixed position on the snap member.

2. A combined locking and snapping device for use in combination with articles of jewelry to permit rearranged connection thereof, comprising a snap member in hinged connection with each of said articles, and an additional member for interconnecting each of said members, said snap members and articles having a plurality of lugs

in opposed diagonally opposite relationship to prevent slippage of the additional member.

3. A combined locking and snapping device for use on articles of jewelry to permit rearrangement of said articles, comprising a plurality of snap members, each being in tensioned hinged connection with the reverse face of the articles, each of said snap members having a hollow cylinder adjacent the hinged portions thereof, means interconnecting the cylinders for retaining the articles of jewelry in ornamental position, and cup like opposed means on the reverse face of the articles and the opposed face of the snap members to permit retention of the articles when in use on the wearer.

4. An article of manufacture according to claim 3, in which the cylinders are hollow, grooved and provided with a cross sectional opening therein, and a bar member having a plurality of spaced pins with perpendicularly extending terminal tongs adapted to fit into the cylinders and cross groove therein.

5. An article of manufacture according to claim 3, in which there are provided a plurality of spaced, diagonally opposed lugs on one marginal edge of the snap members and the articles for retaining said interconnecting means.

6. An article of manufacture according to claim 3, in which there is provided a bracelet section having a depressed framework with oppositely extending pins for connection with the cylinders of the snap members.

7. A combined locking and snapping device for use in combination with a plurality of articles of jewelry to permit rearranged interconnection thereof, comprising a plurality of snap members each having a sleeve integral therewith, each of said members being in hinged connection with an article of jewelry and a plurality of diagonally opposed lug members, and a bar member having perpendiculary extending projections adapted to fit into the sleeves of said snap members, forming a tight fit therewith, said bar being held in fixed position by means of said diagonally opposed lug members.

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