This invention relates to a flexible jewelry band and snap clasp therefor. An object of this invention is to provide a highly improved snap clasp for bracelets or necklaces, having means to prevent looseness or side movement of the clasp members during the clasping operation, and to guide one of the clasp members within the other during the closure of the snap clasps.

Another object of this invention is to provide a highly improved snap clasp for bracelets or necklaces, having means to prevent looseness or side movement of the clasp members during the clasping operation, and to guide one of the clasp members within the other during the closure of the snap clasps.

Still another object of this invention is to provide a highly improved snap clasp for bracelets or necklaces, having means to prevent looseness or side movement of the clasp members during the clasping operation, and to guide one of the clasp members within the other during the closure of the snap clasps.

The invention accordingly consists in the features of construction, combinations of elements, and arrangement of parts which will be exemplified in the construction hereinafter described, and of which the scope of invention will be indicated in the following claims.

In the accompanying drawing in which is shown various illustrative embodiments of this invention,

Fig. 1 is a top plan view of a portion of a bracelet or necklace provided with a snap clasp member embodying the invention,

Fig. 2 is a cross-sectional view taken along line 2—2 of Fig. 1,

Fig. 3 is a top perspective view of the clasp members separated from one another,

Fig. 4 is a top plan view of a blank for making the female snap clasp member, and

Fig. 5 is a top plan view of a blank for making the male snap clasp member.

Referring now in detail to the drawing, 10 designates a bracelet or necklace embodying the invention. The same comprises a bracelet or necklace chain or band 11 of any suitable construction. Said chain may comprise links or any other articulated elements. One end 11a, of the chain 11, is attached to a female snap clasp member 13. The other end 11b, of the chain 11, is attached to a male snap clasp member 14.

Member 13 is made from the blank 15 shown in Fig. 4 of the drawing. The blank 15 may be made of sheet metal, if desired. The blank 15 comprises a central section 16 having a straight end edge 17, and is bounded at the sides by bend lines 18, indicated by dotted lines in Fig. 4. Opposite to the edge 17, is a convex edge 19, connected by short bend edges 20 to the end edges 21 of the bend lines 18. The bend lines 18 are parallel to one another and extend to the edge 17. Extending from the bend lines 18 are parallel to one another and extend to the edge 17. Extending from the bend lines 18 are parallel to one another and extend to the edge 17. Extending from the bend lines 18 are parallel to one another and extend to the edge 17. Extending from the bend lines 18 are parallel to one another and extend to the edge 17. Extending from the bend lines 18 are parallel to one another and extend to the edge 17. 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becomes a spring plate or tongue, and said section may be depressed until it lies flat on the upper surface of section 50. Section 50 is bent about bend line 46 until it is at right angles to section 41. It will be noted that section 50, at the two sides thereof, extends beyond section 54 thereby forming guide flanges 50a. Soldered to the bent-over section 54 is a pin 60 having a head 61. The pin 60 is located close to edge of the under sides of the portions of said wings between said side walls.

The opposite end 11b of the bracelet or necklace is welded or soldered to the outer surface of section 41. It will be noted that the outer ends of the sections 27 and 41, may be clipped to accommodate the width of the bracelet or necklace to the combined widths of sections 27 and to the width of section 41. For a wider bracelet, sections 27 and 41 of greater length, are used. To accommodate a narrower bracelet, the outer end of wings are cut down to suit.

In order to join together the ends of the bracelet, sections 54 and 59 are passed between the wall 16 and the edges 32 and 35. It will be noted that the side flanges 50a, of member 14, engage between the edges 35 and the upper surface of section 16 in slots 36a, whereas the top surface of the spring bent-over section 54 engages the edges 32, passing through slot 35a. The pin 60 passes through the space between sections 27. When the edge 53 of bent-over section 54 passes beyond sections 27, spring tongue section 54 will snap up so that the edge 53 thereof will engage the inner surfaces of sections 27, to keep the clasp closed. The pin 60 will enter the recess in the middle of end 11a of the bracelet or necklace in back of the space between sections 27. Thus the flanges 50a serve to guide the clasp members 14 and 13 during claspung engagement and to prevent sideway of the parts. Thus if members 13 and 14 are made of .025" stock, edges 34 and 36 would be .030" in length. Thus there would be only .005" play between the flanges 50a and the edges 35. Yet the sections 50, 52 may be readily pressed together since section 54 is only .025" thickness and passes through a space of .030". If, for example, the flanges 50a were omitted, and the shoulders formed by edges 34, 35 were omitted, then after the spring section 54 were fully through the slot beneath the wings 27, and said spring section were to spring up, then the .025" thickness of the bottom wall 50 would have loose movement in a space of .060" between the bottom wall 16 and the edges 32. Such construction would result from making the sections 50 and 54 of same width and eliminating the shoulders formed by edges 34 and 35.

It will thus be seen that there is provided an apparatus in which the several objects of this invention are achieved and which is well adapted to meet the conditions of practical use.

As possible embodiments might be made of the above invention, and as various changes might be made in the embodiment above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawings is to be interpreted as illustrative and not in a limiting sense.

Claim 1:
A clasp for a bracelet or necklace comprising a clasp member comprised of a single sheet of metal of uniform thickness bent to form a bottom wall, parallel side walls extending upwardly from the bottom wall, a pair of aligned spaced wings extending transversely from the forward ends of the side walls and extending upwardly beyond said walls and inwardly, said wings being spaced at their inner ends to form a central vertical space, the lower edges of said wings between said side walls being cut away to form a horizontal slot intersecting said vertical space, and a second clasp member comprised of a single sheet of metal of uniform thickness bent to form a bottom wall, a spring section bent over the bottom section about the rear end of the bottom section, an upstanding wall extending upwardly about the front end of the bottom section, and extending outwardly beyond the sides of said bottom section, and being coextensive lengthwise with the combined aligned sections of the first clasp member, and parallel thereto, said bottom wall and spring section engaging in said horizontal slot, with said spring section bearing against the under sides of the portions of said wings between said side walls.

2. A clasp for a bracelet or necklace comprising a clasp member having a flat sheet forming a continuous bottom wall, integral parallel side walls extending upwardly from the sides of the bottom wall, and a pair of integral aligned spaced wings extending from the forward ends of the side walls, said wings having portions extending inwardly of said side walls and terminating short of each other to form a space between the wings, and said wings extending outwardly beyond said side walls, the inwardly extending portions of said wings forming a slot with the flat bottom wall, a second clasp member having a bottom wall, a spring tongue extending from one end of the bottom wall and inclined upwardly toward the other end of said bottom wall, an upstanding wall extending upwardly from the other end of said bottom wall, said upstanding wall extending to the opposite sides of said bottom wall, a pin fixed to the tonguent and extending upwardly therefrom and formed with a head, said bottom wall and tongue being insertable in the slot between the inwardly extending wings of the first clasp member and the bottom wall of the first clasp member and said pin passing through said space between said wings.

3. The combination of claim 2, in combination with a flexible band having one end attached to the upper edges of the upwardly extending side walls of the first clasp member, and also being attached to said aligned wings, and the other end of the band being attached to the outer face of the upstanding wall of said second clasp member.

4. The combination of claim 2, said aligned wings of said first clasp member being formed with a pair of narrow slots extending outwardly of the first slot, and the bottom wall of the second clasp member extending outwardly beyond the sides of said flanges extending outwardly beyond the sides of said flanges extending outwardly beyond the first slot and the bottom wall of the second clasp member having side spring tongue and received within said pair of slots.

5. The combination of claim 2, each of said clasp members being formed from a single blank of sheet material of uniform thickness.

6. In combination, a clasp member comprised of a single sheet of metal of uniform thickness bent to form a flat bottom wall, side walls extending upwardly from the bottom wall, and wings connected to the side walls and having portions extending inwardly of the side walls and portions extending outwardly of the side walls, the inwardly extending portions of the wings forming a space therebetween and also forming a slot with said bottom wall, a second clasp member having a bottom wall, a spring tongue extending from one end of the bottom wall and overlapping said bottom wall, and an upstanding wall extending upwardly from the other end of said bottom wall, said bottom wall and tongue being movable through the slot formed between the inwardly extending portions of the wings and the bottom wall of the first clasp member, said space between the inwardly extending portions of said wings being adapted for the reception of a pin secured to said tongue.

7. The combination of claim 6, in combination with a band having one end attached to the upper edges of the side walls and to the rear surfaces of the wings, and the other end of the band being attached to the outer surface of the upstanding wall of the second clasp member.

8. The structure of claim 6 wherein an upstanding pin is secured to the upper side of said tongue and passes
through said space between the inwardly extending portions of said wings.

9. The combination of claim 7, the bottom wall of the second clasp member having flanges extending outwardly beyond the sides of the spring tongue, and said first clasp member being formed with narrow ends of the slot between said wings and said bottom wall extending from the first slot to slidably receive said flanges.

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