

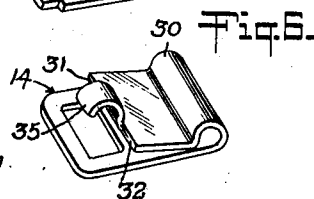
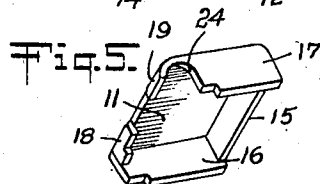
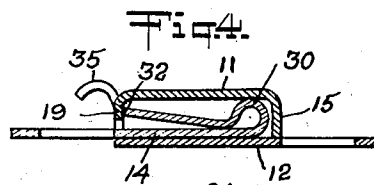
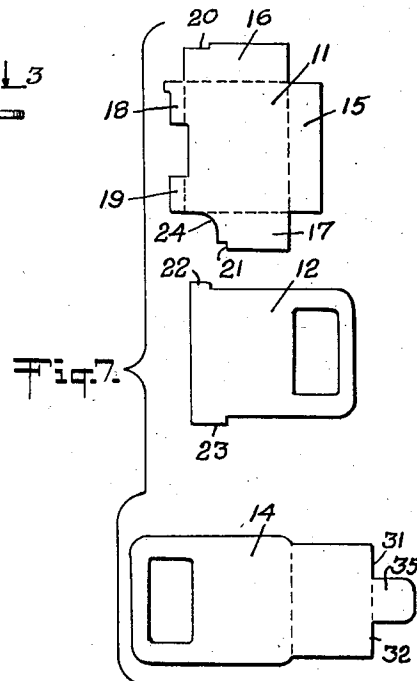
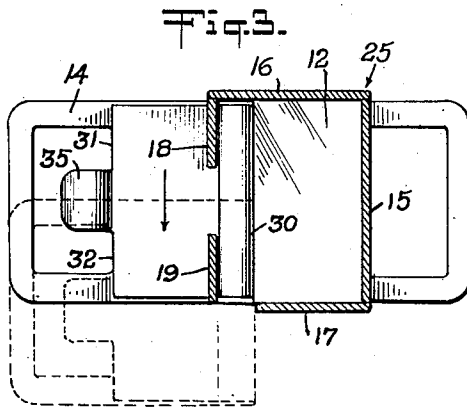
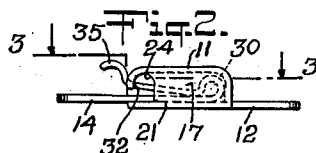
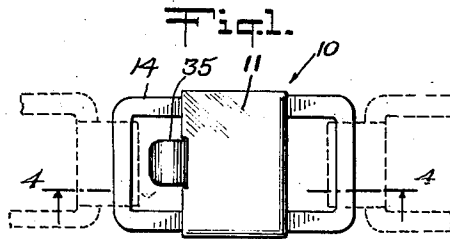
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2,368,543

JEWELRY LOCK

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UNITED STATES PATENT OFFICE

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JEWELRY LOCK

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Application July 8 1943, Serial No. 493,928

6 Claims. (Cl. 24—230)

This invention relates to a jewelry lock and more particularly to the type of lock adapted to be used on bracelets and necklaces and similar articles.

An object of this invention is to provide a two-way lock in which the dangers of accidental disengagement is eliminated. A further object is to provide a lock which will require two positive movements to produce disengagement so that in the event the normal locking means should fail the lock would still not become disengaged. A further object of the invention is to provide a lock which will be relatively simple to manufacture and assemble but which nevertheless will be positive in its action. Other objects and advantages of my lock will become apparent as the description proceeds.

In the accompanying drawing,

Fig. 1 is a top plan view of a lock embodying my invention.

Fig. 2 is a side view of my lock.

Fig. 3 is a top view partly in cross section taken on the line 3—3 of Fig. 2.

Fig. 4 is a cross sectional view taken on the line 4—4 of Fig. 1.

Fig. 5 is a perspective view of the top of the lock without the bottom plate.

Fig. 6 is a perspective view of the male portion of the lock.

Fig. 7 is a plan view showing the blanks from which my lock is made.

As is apparent from Fig. 7, my lock 10 is made of three pieces including a cap member 11, a plate 12 for the cap member which forms with the cap member the female portion of the lock and a spring member 14 which forms the male portion of the lock. The cap member 11 is provided with a back tab 15, side tabs 16 and 17 and a pair of front tabs 18 and 19 adapted to be folded downward to form the cap. The tab 16 is provided with a cut out portion 20, and a similar cut out portion 21 is provided in the tab 17 to engage the lugs 22 and 23 of the plate 12. The side tab 17 is also cut away at 24 for a purpose which will be discussed later. In assembly tabs 15, 16 and 17 are bent downwardly as are the lugs 18 and 19 and the top 11 is fastened to the plate 12 with the lugs 22 and 23 engaging the cutout portions 20 and 21. Plate 12 may be fastened to the top 11 by pressure, soldering or otherwise. It may be seen that when the tabs are folded into position as shown in Fig. 5, the opening 24 provides a side entrance into the female part of the housing 25. Plate 14 is bent upon itself to form a catch having

a lateral spring bead 30, and a spring catch 35 adjacent to the edges 31 and 32.

When the lock is assembled, it may be seen that the cut away portion 24 forms a side opening into which the spring bead 30 may be slid laterally through the opening 24 behind the tabs 18 and 19. The member 14 may then be pushed inwardly into the cap until the edges 31 and 32 are engaged by the tabs 18 and 19. In order to open the lock it is necessary to depress the catch 35 until the edges 31 and 32 clear the tabs 18 and 19 and the member 14 may be pulled outwardly until the spring bead 30 engages the tabs 18 and 19. Since at this point the spring member is considerably depressed, there is quite a bit of friction and considerable pressure is needed to cause the bead to slide outwardly through the opening 24. It will thus be seen that even though the member 35 should be accidentally depressed and pressure placed upon the bracelet or other article upon which the lock is mounted the lock will not open but will require lateral movement on the member 14.

I claim:

1. A locking unit comprising a housing having top, bottom and side walls, said housing having a pair of depending lugs defining an opening in the front thereof, said housing having an opening at one side adjacent one of said lugs and a spring catch having engaging surfaces at one end thereof and a bead at the other end thereof, said bead being of a size adapted to pass through said side opening behind said lugs whereby the spring catch may be pushed into said housing until the engaging surfaces are locked behind said lugs.
2. A locking unit comprising a housing and a spring catch adapted to engage within said housing, said housing being formed of two pieces, a top and plate, said plate having lugs adapted to engage cut out portions in said top, said top having depending lugs forming with said plate a pair of narrow slots, an opening in the side of said housing adjacent one of said slots, said spring catch being formed with a bead and with engaging edges whereby said bead may be passed in one direction through said opening into said housing and then at right angles thereto to position said engaging edges behind said lugs.
3. A jewelry lock or the like including a housing and a spring catch, means for positioning said catch in said housing to prevent lengthwise movement thereof and additional means to prevent the removal of said catch from said housing except through lateral movement.
4. A locking unit comprising a housing and a

spring catch adapted to engage within said housing, said housing being formed of two pieces, a top and a bottom plate, said top having side and back walls, and a pair of depending lugs at the front thereof forming with said plate a narrow slot, one of said side walls being cut away to form with the plate an opening in the side of said housing adjacent one of said lugs, said spring catch member being formed with a bead at one end and with engaging edges whereby said bead may be passed through said opening into said housing behind said lugs, and said catch may be slid into said housing until the engaging edges pass under and behind said lugs.

5. A locking unit comprising a housing and a spring catch adapted to engage within said housing, said housing being formed with a bottom, top and side walls, a pair of depending lugs at the front thereof forming with said bottom a narrow slot, an opening in one of the side walls immediately behind said lugs, said spring catch being formed with a bead at its outer end approximate-

ly the size of said opening whereby said bead may be moved laterally through said opening into said housing, and a pair of engaging surfaces adapted to engage behind said lugs when said spring catch is pushed into said housing.

6. A locking unit comprising a housing and a spring catch adapted to be engaged within said housing, said housing being formed with two pieces, a top bent upon itself to form top and side walls, said top having a pair of depending lugs at the front thereof, said plate having lugs adapted to engage cutout portions of said top, an opening in one of said sides adjacent said lugs forming with said lugs and said plate a narrow opening, said spring catch being formed with a bead at its outer end and engaging surfaces at its inner end, said bead being of a size to pass through said opening behind said lugs whereby said spring catch may be pushed into said housing to engage said engaging surfaces of said catch behind said lugs.

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