March 1, 1927. 1,619,138

G. KOLLSTEDE

STRAP FOR PERSONAL WEAR

Filed May 22, 1926 2 Sheets-Sheet 1

Fig. 1.

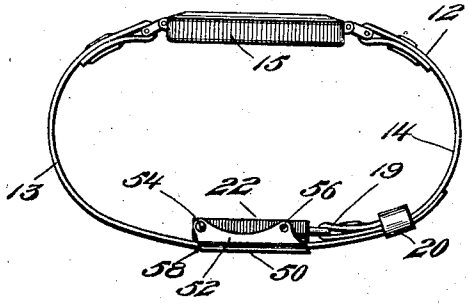


Fig. 2.



Fig. 3.

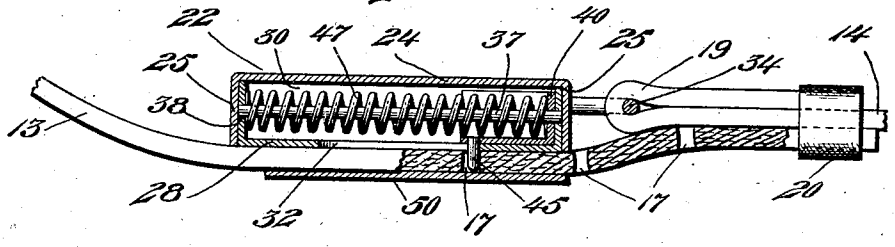
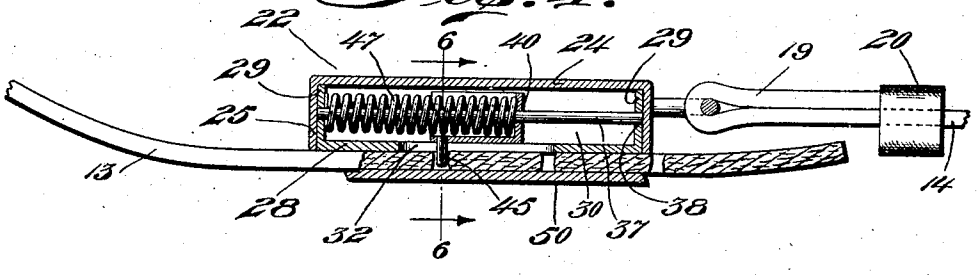


Fig. 4.



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Fig. 5.

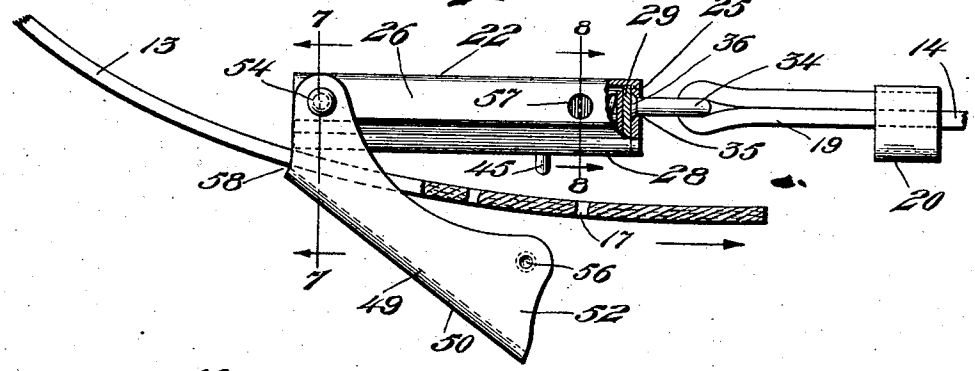


Fig. 6.

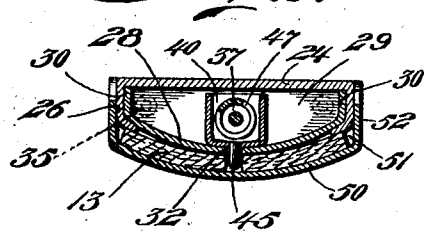


Fig. 7.

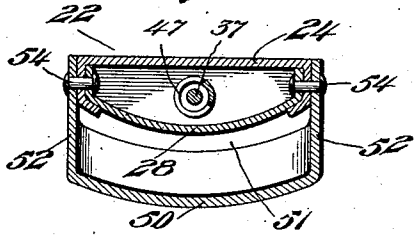


Fig. 8.

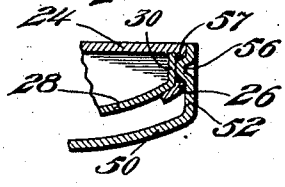


Fig. 9.

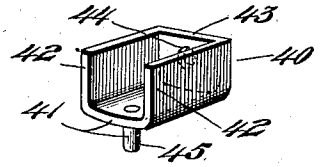
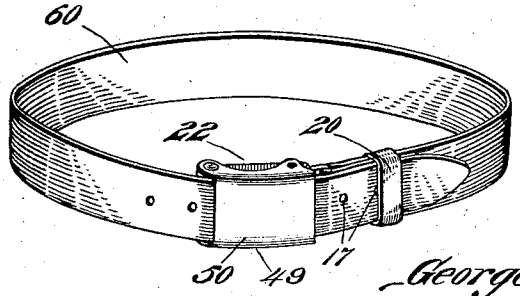


Fig. 10.



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Patented Mar. 1, 1927. 1,619,138

UNITED STATES PATENT OFFICE.

GEORGE KOLLSTEDE, OF PROVIDENCE, RHODE ISLAND.

STRAP FOR PERSONAL WEAR.

Application filed May 22, 1926. Serial No. 110,950.

My invention relates to straps for personal wear, such as watch bracelets, garters, belts and the like, and the invention relates further to the structure of the member engaging the strap ends.

An essential object of my invention is to insure an effective and comfortable fit of the strap to the wearer, and regardless of the hole spacing or of the location of any particular hole, when holes are present, relatively to the diameter of any specific body member to be embraced by the strap.

Further objects are security against accidental disengagement of the strap; facility of application of the strap; efficient housing of the operating parts, and inexpensiveness of construction.

To the above ends essentially my invention consists in such parts and in such combinations of parts as fall within the scope of the appended claims.

In the accompanying drawings which form a part of this specification—

Figure 1 is a side elevation of my band or strap embodied in a watch bracelet,

Figure 2 is a fragmentary rear elevation of the same,

Figures 3 and 4 are sections on lines 3—3 of Figure 1, showing the resilient element of the connecting member in expanded and retracted positions respectively,

Figure 5 is a plan view of the connecting member in open position and showing a portion thereof in section,

Figures 6 and 7 are transverse sections of the connecting member on lines 6—6 of Figure 4, and 7—7 of Figure 5 respectively,

Figure 8 is a partial section on a line corresponding to line 8—8 of Figure 5, but with the clasp member closed,

Figure 9 is an isometric view of the slide, and

Figure 10 is a perspective view of a modified form of my invention.

Like reference characters indicate like parts throughout the views.

In Figure 1 my strap, represented generally as 12, is shown as comprising two flexible sections 13 and 14 and an interposed watch or ornament 15, but obviously the strap may be nonsectional and the member 15 be omitted. The free end portion of the strap section 13 is provided with a longitudinally disposed series of holes 17. The corresponding end of the section 14 is provided with an attaching loop 19, and a guide loop 20.

A connecting member for the strap ends consists of a casing or housing 22 including in this instance an outer shell section having a rear wall 24, end walls 25 and top and bottom walls 26, and a complementary inner section having a front wall 28, end walls 29, and top and bottom walls 30. The wall 28 is preferably convex and is provided centrally with a longitudinal slot 32. The walls 26 engage the walls 30 and slightly overlap the front wall 28; and the walls 25 enclose the walls 29. Fast to one end of the casing is a metal loop 34 passing through the loop 19 and having its ends passing through perforations 35 in one end wall 25 and riveted to the latter, as at 36, as shown in Figure 5. A rod 37 disposed centrally of the casing 22 has its ends seated in cavities 38 in the walls 29.

Slidably mounted on the rod 37 is a cap 40 shown in detail in Figure 9. As shown the cap comprises a bottom 41, sides 42 and an end 43 provided with a central opening 44 adapted to loosely receive the rod 37. Fixed in the bottom 41 is a depending pin or projection 45. Surrounding the rod 37 is a helical spring 47 having one end abutting against one end wall 29, and its other end resting in the member 40 and pressing against the wall 43 of the latter.

Mounted on the casing 22 is a clasp 49 comprising an oblong front plate 50 nearly covering the wall 28 and spaced therefrom, and corresponding in transverse section with said wall, affording a longitudinal space 51 between the wall and plate. Upon the top and bottom of the plate 50 are rearwardly directed flanges or walls 52 embracing the top and bottom walls of the casing 22 to which the flanges are pivotally connected at one end by rivets 54 as shown in Figure 7. Near their opposite ends the flanges 52 have indented projections 56 adapted to snap into cavities 57 in the walls 26 of the casing when the clasp is closed. At the end of the clasp which carries the rivets the plate 50 and the flanges 52 are inwardly cut away to form a recessed portion 58, as shown in Figures 1 and 5.

In applying my device to the operator's wrist the clasp is initially swung to open position, as shown in Figure 5, and the end of the strap section 13 is passed between the

clasp and the casing and drawn in the direction of the arrow until the strap is excessively tight around the wrist, the pin 45 entering the adjacent hole 17, whereupon the operator releases the strap end and the compressed flesh of the wrist expands, thus compressing the spring from a position shown in Figure 3 to that of Figure 4. The strap end is then inserted in the loop 20, if such a loop is present. The strap is held snugly to the wrist, but without excessive pressure or looseness. Finally the clasp is rearwardly manually pressed against or adjacent the strap end until the projections 56 snap into the cavities 57 so that the strap end is prevented from accidental escape from the pin 45 if or when no loop 20 is present, or when the strap 13 is so short as to escape from such loop.

In Figure 10, the strap 60 is shown as an integral whole rather than in sections, which is a more convenient form of my invention when the strap is used as a garter.

It will be understood that the strap may be of leather, fabric, metal, or other material.

I claim:—

1. In an article of the character set forth, a strap provided at one end with a series of holes, a casing attached to the other end of the strap, said casing being provided with a longitudinal slot, a guide rod in the casing parallel with the slot, a member slidably mounted on the rod projecting through the slot and adapted to enter one or more of the holes, and a spring on the rod interposed between the slidable member and the casing.

2. In an article of the character set forth, a strap provided at one end with a series of holes, a casing attached to the other end of the strap, said casing being provided with a longitudinal slot, a guide rod fixed in the casing parallel with the slot, a member supported in the casing comprising a cap slidably mounted on the rod, and a projection on the cap extending through the slot registerable in one of the holes, and a spring upon the rod abutting at one end against the casing and at its other end against the cap.

In testimony whereof I have affixed my signature.

GEORGE KOLLSTEDE