

Jan. 14, 1964

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3,117,708

POSITIONING SWIVEL FOR REVOLVER HOLSTERS

Filed March 8, 1963

2 Sheets-Sheet 1

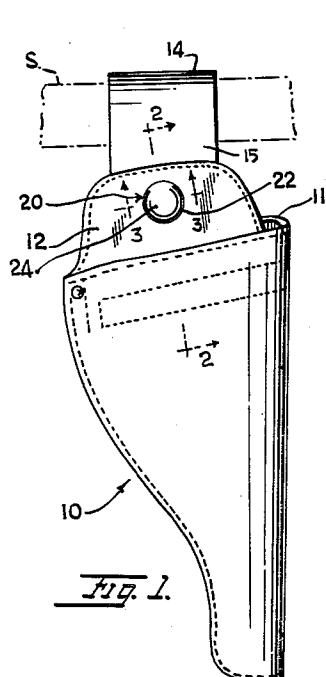


Fig. 1.

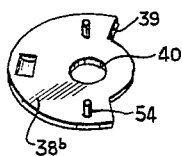


Fig. 7.

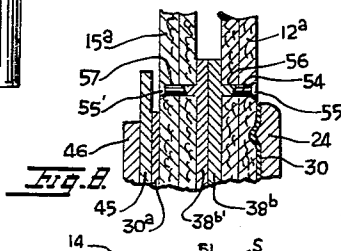


Fig. 8.

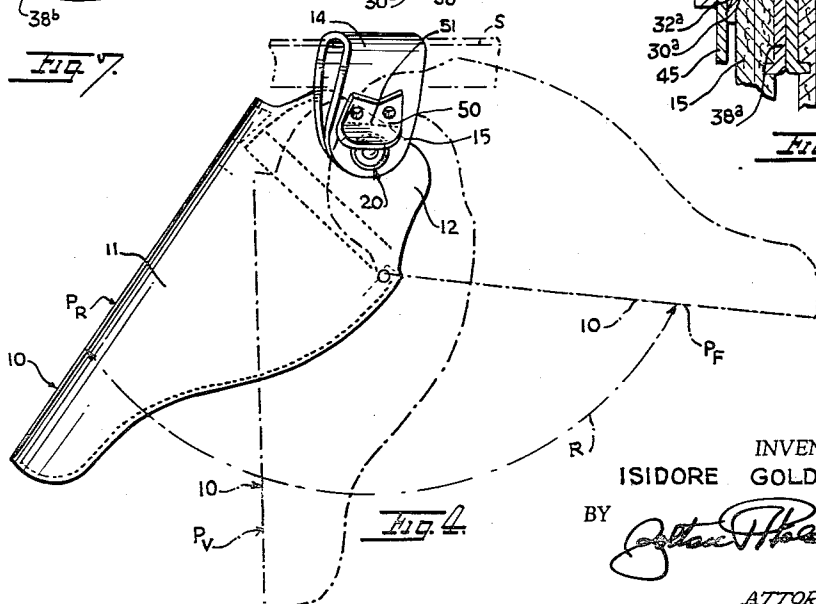


Fig. 4.

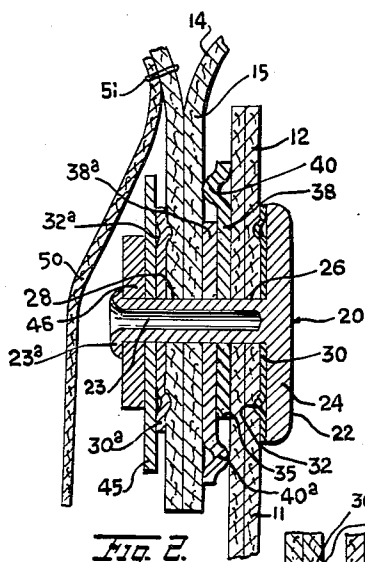


Fig. 2.

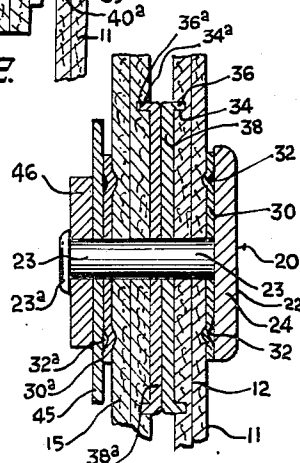


Fig. 3.

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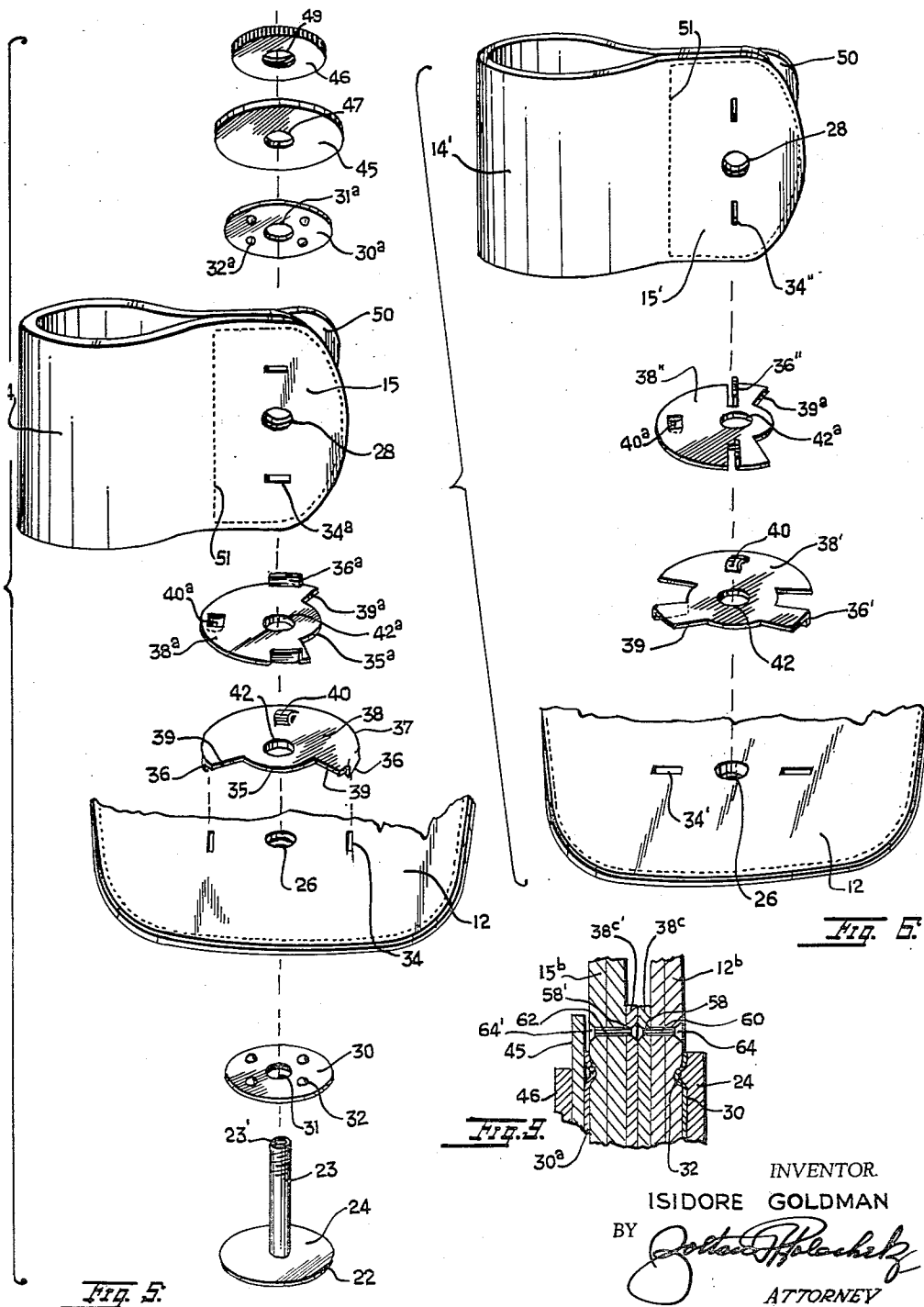
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POSITIONING SWIVEL FOR REVOLVER HOLSTERS

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2 Sheets-Sheet 2



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3,117,708

POSITIONING SWIVEL FOR REVOLVER HOLSTERS

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Filed Mar. 8, 1963, Ser. No. 263,879

10 Claims. (Cl. 224-2)

This invention relates to a holster of the swingable type, and more particularly concerns a swivel mounting structure for limiting swinging of the holster through a predetermined angle.

It has been conventional heretofore to provide a holster with a swivel mounting so that the holster pivots to permit a person carrying the same to sit, stand, run and move about in comfort without interference. It has been found in practice that if the holster being worn by a person, pivots or swings through a very large angle, the revolver carried thereby may drop out of the holster or may be accidentally discharged, with most unfortunate consequences to the wearer or bystanders.

It is therefore a principal object of the invention to provide a swivel mounting assembly for a holster which limits the holster to pivotal movement through a limited predetermined angle.

A further object is to provide a swivel mounting assembly as described wherein two mutually rotatable opposing parts are provided with projections located to engage abutments on the opposite parts respectively.

Another object is to provide a holster with a swivel mounting assembly in which the holster is freely swingable through a predetermined angle from a free hanging vertical position and which is limited to pivoting to predetermined forward and rearward positions.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

FIG. 1 is a side elevational view of a holster embodying the invention.

FIGS. 2 and 3 are sectional views taken on lines 2-2 and 3-3 of FIG. 1.

FIG. 4 is an oblique side view of the holster shown in different positions by solid and dotted lines.

FIG. 5 is an exploded perspective view of parts of the swivel mounting assembly and holster.

FIG. 6 is an exploded perspective view similar to a portion of FIG. 5, showing another swivel mounting assembly construction.

FIG. 7 is a perspective view of a swivel mounting member according to a modification of the invention.

FIG. 8 is a sectional view similar to a portion of FIG. 3, showing swivel mounting members constructed as in FIG. 7.

FIG. 9 is a sectional view similar to FIG. 8 showing another swivel mounting assembly construction.

Referring first to FIGS. 1-5, there is shown a holster 10 having a tapered hollow body with open flaring top for receiving and supporting a revolver or pistol. The holster body has a side wall 11 with an upper side wall extension 12 to which is pivotally attached abutting walls 15 of a strap loop 14. This loop can be engaged upon a horizontal strap or belt S normally encircling the waist of a person carrying the holster. The holster body is pivotally secured to the strap loop 14 by a swivel mounting assembly 20 shown to best advantage in FIGS. 2-5.

The assembly 20 includes an end closure 22 having a circular head 24 with rounded, smooth periphery. A central shank 23 extends axially to the plane of the head

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24 through registering holes 26 and 28 in the holster side wall extension 12 and walls 15 of loop 14. A first thin disk 30 is interposed between the head 24 and side extension 12. This disk has circumferentially spaced teeth or projections 32 which are pressed into the outer surface of the holster side wall extension 12. A pair of slots or recesses 34 may be formed in the opposite surface of wall extension 12 for receiving two lugs 36 of swivel member 38.

Swivel member 38 is generally circular in form and the lugs 36 are disposed tangentially to the periphery 37 of the member and extend axially to the plane of member 38. The lugs are in diametrically opposite positions and the recesses 34 are correspondingly positioned in holster wall extension 12. An arcuate cutout 35 is provided in the periphery of the member 38 to define two radial abutments 39 disposed about 150° of arc apart. A projection 40 is located midway between the abutments 39, being spaced on each side about 100° from each of the abutments. The projection 40 is located radially between central hole 42 and periphery 37 of the swivel member.

Another swivel member 38^a is provided for the assembly 20. This member is identical in structure to member 38 with two lugs 36^a, cutout 35^a, abutments 39^a, hole 42^a, and projection 40^a all arranged as described in connection with member 38. The two members 38, 38^a face each other back to back so that projection 40 of member 38 is located between abutments 39^a of member 38^a and projection 40^a of member 38^a is located between abutments 39 of member 38. The shank 23 extends through aligned holes 42, 42^a as well as through hole 31 in disk 30.

Lugs 36^a are disposed in diametrically opposed positions and engage in recesses 34^a formed in side wall 15 of loop 14. Shank 23 extends through hole 28 in walls 15 and through a hole 31^a in another disk 30^a. Disk 30^a has circumferentially spaced teeth or projections 32^a which engage in the adjacent surface of a wall 15. A large flat circular washer 45 fits on shank 23 and abuts the flat side of disk 30^a opposite teeth 32^a.

A locking disk or washer 46 is applied against washer 45. The end 23' of shank 23 extends through hole 47 in washer 45 and hole 49 in washer 46. End 23' may be peened, spun, or spread to form a head 23^a shown in FIGS. 2 and 3. A flap 50 may be secured by stitching 51 to the loop 14 to serve as a protection means on the outer side of the loop.

FIG. 1 shows the holster 10 hanging freely in a vertical position from the strap loop 14 which is engaged on horizontal belt or strap S. FIG. 4 shows the angular range R through which the holster body can be pivoted or swung. The holster body pivots or swings between a rearward position P_R and a forward position P_F, through vertical position P_V, the latter two positions being shown in dotted lines. The total angle of pivotal movement is about 140°, which is the limit of angular movement of each projection 40 and 40^a with respect to abutments 39^a, 39, respectively. When projection 40 engages a forward abutment 39^a of member 38^a projection 40^a engages a rearward abutment 39 of member 38, and vice versa. The swivel mounting assembly is thus positively stopped by engagement of two projections on two angularly spaced abutments on the opposing members.

FIG. 6 shows a modification of the swivel mounting assembly in which swivel members 38' and 38'' have radially disposed lugs 36' disposed in diametral alignment and struck outward axially of the members. These lugs engage in corresponding aligned recesses or slots 34', 34'' formed in the holster wall extension 12' and wall 15' of strap loop 14'.

FIG. 7 and FIG. 8 show swivel members 38^b and 38^{b'} provided with diametrically opposed studs 54 which

extend outwardly of the planes of the members and integrally therewith. Outer ends of the studs are formed with heads 55, 55' to engage the holster wall extension 12^a and strap loop wall 15^a. The studs pass through holes 56, 57 in the wall extension 12^a and wall 15^a, respectively.

FIG. 9 shows swivel members 33^c, 33^{c'} provided with holes 58, 58' in which are engaged heads of rivets 60, 62. The rivets have outer heads 64, 64' engaged in holster wall extension 12^b and strap loop wall 15^b, respectively. Other parts of the assemblies of FIGS. 6-9 corresponding to those of assembly 20 of FIGS. 1-5 are identically numbered.

There has thus been provided a swingable holster with a swivel mounting which permits free rotation of the holster between predetermined forward and rearward angular positions. The holster pivots to permit the user or wearer to sit, stand, run or otherwise move about without interference while the revolver or pistol remains securely held in the holster and is prevented from falling out and from accidental discharge.

The swivel assembly is readily and easily put together as is apparent from an inspection of FIG. 5. If desired, the free end of shank 23 can be threaded and hole 49 in washer 46 can be internally threaded to serve as a nut. However, in general it is preferred that the washer 46 be permanently attached to shank 23 by forming head 23^a on the end of shank 23.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. In a holster assembly, having a hollow body for supporting a revolver, and a strap loop for engaging over a supporting belt, a swivel assembly for pivotally attaching said body and loop, comprising a first flat swivel member having first means for engaging said member to said body, said member having a first axially extending projection spaced radially from its center, a first pair of abutments angularly spaced apart and extending radially of said center with said projection disposed between said abutments; a second flat swivel member having other means for engaging said second member to said strap loop, said second member having another axially extending projection spaced radially from its center, and a second pair of abutments angularly spaced apart and extending radially of said second member with said other projection located between said other abutments; and attachment means extending through said members and pivotally holding the same in mutually rotatable abutment so that said hollow body pivots freely with respect to said strap loop, said first projection extending between said second pair of abutments and said second projection extending between the first pair of abutments, whereby said body is freely pivotable through a predetermined angle between extreme rearward and forward positions in the planes of said members and is stopped by engagement of the projections of each member on abutments of the other member.

2. A swivel mounting assembly for a holster on a strap loop, comprising a first flat swivel member having first means for engaging said member to said body, said member having a first axially extending projection spaced radially from its center, a first pair of abutments angularly spaced apart and extending radially of said center with said projection disposed between said abutments; a second flat swivel member having other means for engaging said second member to said strap loop, said second member having another axially extending projection spaced radially from its center, and a second pair of abutments angularly spaced apart and extending radially of said

second member with said other projection located between said other abutments; and attachment means extending through said members and pivotally holding the same in mutually rotatable abutment so that said hollow body pivots freely with respect to said strap loop, said first projection extending between said second pair of abutments and said second projection extending between the first pair of abutments, whereby said body is freely pivotable through a predetermined angle between extreme rearward and forward positions in the planes of said members and is stopped by engagement of the projections of each member on abutments of the other member, said first means including a pair of lugs extending axially outward of said first member in diametrically opposed positions thereon for engaging in recesses in said body, said other means including a pair of other lugs extending axially outward of said second member in diametrically opposed positions thereon for engaging in other recesses in said strap loop.

3. A swivel mounting assembly for a holster on a strap loop, comprising a first flat swivel member having first means for engaging said member to said body, said member having a first axially extending projection spaced radially from its center, a first pair of abutments angularly spaced apart and extending radially of said center with said projection disposed between said abutments; a second flat swivel member having other means for engaging said second member to said strap loop, said second member having another axially extending projection spaced radially from its center, and a second pair of abutments angularly spaced apart and extending radially of said second member with said other projection located between said other abutments; and attachment means extending through said members and pivotally holding the same in mutually rotatable abutment so that said hollow body pivots freely with respect to said strap loop, said first projection extending between said second pair of abutments and said second projection extending between the first pair of abutments, whereby said body is freely pivotable through a predetermined angle between extreme rearward and forward positions in the planes of said members and is stopped by engagement of the projections of each member on abutments of the other member, said first means including a pair of lugs extending axially outward of said first member in diametrically opposed positions thereon for engaging in recesses in said body, said other means including a pair of other lugs extending axially outward of said second member in diametrically opposed positions thereon for engaging in other recesses in said strap loop, the lugs on each of said members extending radially of the respective members in diametral alignment.

4. A swivel mounting assembly for a holster on a strap loop, comprising a first flat swivel member having first means for engaging said member to said body, said member having a first axially extending projection spaced radially from its center, a first pair of abutments angularly spaced apart and extending radially of said center with said projection disposed between said abutments; a second flat swivel member having other means for engaging said second member to said strap loop, said second member having another axially extending projection spaced radially from its center, and a second pair of abutments angularly spaced apart and extending radially of said second member with said other projection located between said other abutments; and attachment means extending through said members and pivotally holding the same in mutually rotatable abutment so that said hollow body pivots freely with respect to said strap loop, said first projection extending between said second pair of abutments and said second projection extending between the first pair of abutments, whereby said body is freely pivotable through a predetermined angle between extreme rearward and forward positions in the planes of said members and is stopped by engagement of the projections of each member on abutments of the other member, said

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first means including a pair of lugs extending axially outward of said member in diametrically opposed positions thereon for engaging in recesses in said body, said other means including a pair of other lugs extending axially outward of said member in diametrically opposed positions thereon for engaging in other recesses in said strap loop, each of said members being generally circular in form, the lugs on each of said members extending tangentially to the periphery of said member.

5. A swivel mounting assembly for a holster on a strap loop, comprising a first flat swivel member having first means for engaging said member to said body, said member having a first axially extending projection spaced radially from its center, a first pair of abutments angularly spaced apart and extending radially of said center with said projection disposed between said abutments; a second flat swivel member having other means for engaging said second member to said strap loop, said second member having another axially extending projection spaced radially from its center, and a second pair of abutments angularly spaced apart and extending radially of said second member with said other projection located between said other abutments; and attachment means extending through said members and pivotally holding the same in mutually rotatable abutment so that said hollow body pivots freely with respect to said strap loop, said first projection extending between said second pair of abutments and said second projection extending between the first pair of abutments, whereby said body is freely pivotable through a predetermined angle between extreme rearward and forward positions in the planes of said members and is stopped by engagement of the projections of each member on abutments of the other member, said first means including a pair of studs extending axially outward of said first member in diametrically opposed positions thereon for engaging in holes in said body, said other means including another pair of studs extending axially outward of said second member in diametrically opposed positions thereof for engaging in other holes in said strap loop.

6. A swivel mounting assembly for a holster on a strap loop comprising a mounting structure having a head for bearing on a side of said holster and a cylindrical shank extending axially of said head for passage through a hole in said side of the holster, a first disk on said head having circumferentially spaced teeth engageable in said side of the holster, a first flat generally circular swivel member centrally engageable on said shank, said swivel member having first anchoring means for engaging said member on an opposite side of the holster, a second flat generally circular swivel member centrally engageable on said shank and having second means for engaging said second member on a side of said strap loop, a second disk engageable on said shank and having circumferentially spaced other teeth engageable on an opposite side of said strap loop, and washer means engageable on the shank of said mounting structure and bearing on the second disk for retaining the disks, swivel members, holster and strap loop on said mounting structure, each of said swivel members having a projection engageable with portions of the other swivel member in two different positions spaced circumferentially apart on the other swivel member, whereby the holster and first swivel member are limited in rotation with respect to the strap loop and second swivel member to a predetermined angle of less than 180°.

7. A swivel mounting assembly for a holster on a strap loop comprising a mounting structure having a head for bearing on a side of said holster and a cylindrical shank extending axially of said head for passage through a hole in said side of the holster, a first disk on said head having circumferentially spaced teeth engageable in said side of the holster, a first flat generally circular swivel member centrally engageable on said shank, said swivel member having first anchoring means for engaging said member

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on an opposite side of the holster, a second flat generally circular swivel member centrally engageable on said shank and having second means for engaging said second member on a side of said strap loop, a second disk engageable on said shank and having circumferentially spaced other teeth engageable on an opposite side of said strap loop, and washer means engageable on the shank of said mounting structure and bearing on the second disk for retaining the disks, swivel members, holster and strap loop on said mounting structure, each of said swivel members having a projection engageable with portions of the other swivel member in two different positions spaced circumferentially apart on the other swivel member, whereby the holster and first swivel member are limited in rotation with respect to the strap loop and second swivel member to a predetermined angle of less than 180°, said first anchoring means including a pair of lugs extending axially outward of said first swivel member in diametrically opposed positions thereon for engaging in spaced recesses in said holster, said second anchoring means including a pair of other lugs extending axially outward of said second swivel member in diametrically opposed positions thereon for engaging in spaced recesses in said strap loop.

8. A swivel mounting assembly for a holster on a strap loop comprising a mounting structure having a head for bearing on a side of said holster and a cylindrical shank extending axially of said head for passage through a hole in said side of the holster, a first disk on said head having circumferentially spaced teeth engageable in said side of the holster, a first flat generally circular swivel member centrally engageable on said shank, said swivel member having first anchoring means for engaging said member on an opposite side of the holster, a second flat generally circular swivel member centrally engageable on said shank and having second means for engaging said second member on a side of said strap loop, a second disk engageable on said shank and having circumferentially spaced other teeth engageable on an opposite side of said strap loop, and washer means engageable on the shank of said mounting structure and bearing on the second disk for retaining the disks, swivel members, holster and strap loop on said mounting structure, each of said swivel members having a projection engageable with portions of the other swivel member in two different positions spaced circumferentially apart on the other swivel member, whereby the holster and first swivel member are limited in rotation with respect to the strap loop and second swivel member to a predetermined angle of less than 180°, said first anchoring means including a pair of lugs extending axially outward of said first swivel member in diametrically opposed positions thereon for engaging in spaced recesses in said holster, said second anchoring means including a pair of other lugs extending axially outward of said second swivel member in diametrically opposed positions thereon for engaging in spaced recesses in said strap loop, the lugs of each of said anchoring means extending in diametral alignment radially of the respective swivel members.

9. A swivel mounting assembly for a holster on a strap loop comprising a mounting structure having a head for bearing on a side of said holster and a cylindrical shank extending axially of said head for passage through a hole in said side of the holster, a first disk on said head having circumferentially spaced teeth engageable in said side of the holster, a first flat generally circular swivel member centrally engageable on said shank, said swivel member having first anchoring means for engaging said member on an opposite side of the holster, a second flat generally circular swivel member centrally engageable on said shank and having second means for engaging said second member on a side of said strap loop, a second disk engageable on said shank and having circumferentially spaced other teeth engageable on an opposite side of said strap loop, and washer means engageable on the shank of said mounting structure and bearing on the second

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disk for retaining the disks, swivel members, holster and strap loop on said mounting structure, each of said swivel members having a projection engageable with portions of the other swivel member in two different positions spaced circumferentially apart on the other swivel member, whereby the holster and first swivel member are limited in rotation with respect to the strap loop and second swivel member to a predetermined angle of less than 180°, said first anchoring means including a pair of lugs extending axially outward of said first swivel member in diametrically opposed positions thereon for engaging in spaced recesses in said holster, said second anchoring means including a pair of other lugs extending axially outward of said second swivel member in diametrically opposed positions thereon for engaging in spaced recesses in said strap loop, the lugs of each of said anchoring means extending tangentially to the periphery of the respective swivel members.

10. A swivel mounting assembly for a holster on a strap loop comprising a mounting structure having a head for bearing on a side of said holster and a cylindrical shank extending axially of said head for passage through a hole in said side of the holster, a first disk on said head having circumferentially spaced teeth engageable in said side of the holster, a first flat generally circular swivel member centrally engageable on said shank, said swivel member having first anchoring means for engaging said member on an opposite side of the holster, a second flat generally

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circular swivel member centrally engageable on said shank and having second means for engaging said second member on a side of said strap loop, a second disk engageable on said shank and having circumferentially spaced other teeth engageable on an opposite side of said strap loop, and washer means engageable on the shank of said mounting structure and bearing on the second disk for retaining the disks, swivel members, holster and strap loop on said mounting structure, each of said swivel members having a projection engageable with portions of the other swivel member in two different positions spaced circumferentially apart on the other swivel member, whereby the holster and first swivel member are limited in rotation with respect to the strap loop and second swivel member to a predetermined angle of less than 180°, said first anchoring means including a pair of studs extending axially outward of said first swivel member in diametrically opposed positions thereon for engaging in holes in the holster, said second anchoring means including another pair of studs extending axially outward of the second swivel member in diametrically opposed positions for engaging in other holes in said strap loop.

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