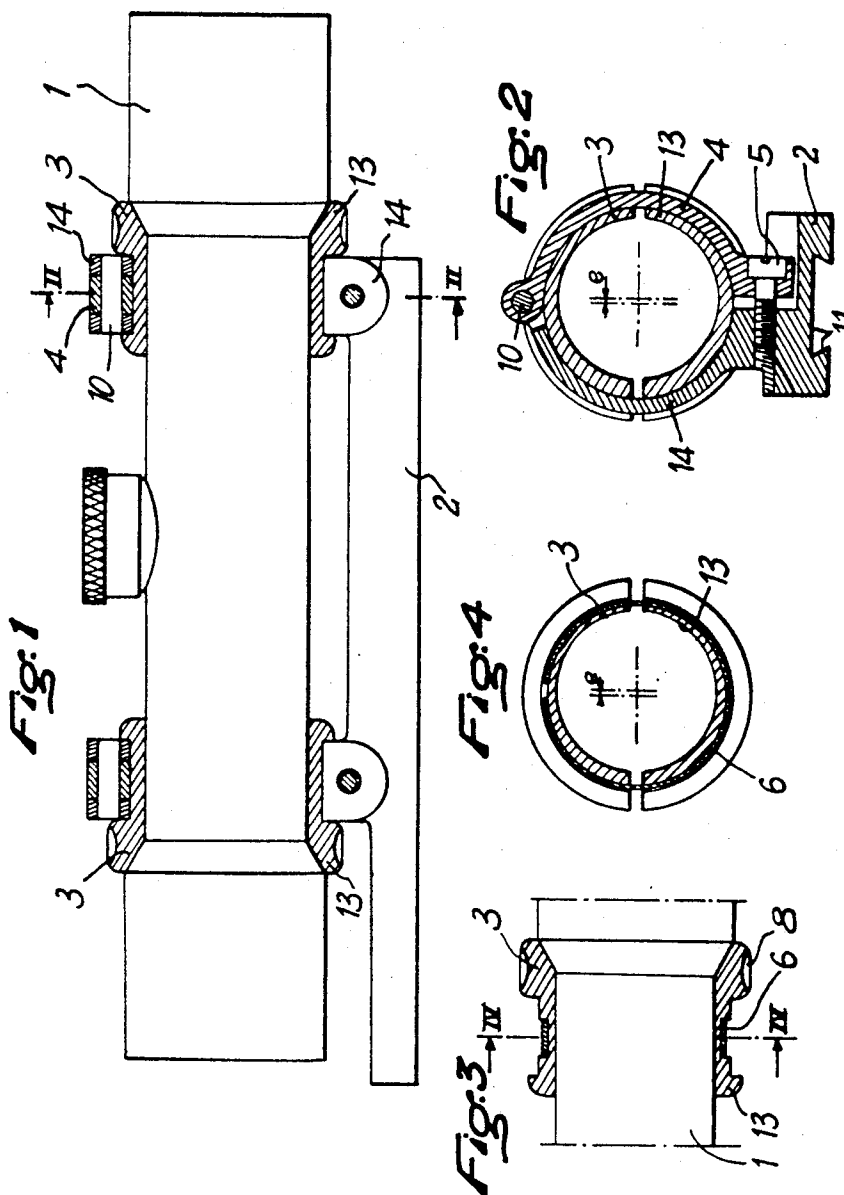


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ARRANGEMENT FOR ADJUSTING THE LINE OF SIGHT
OF A SIGHTING TELESCOPE
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ARRANGEMENT FOR ADJUSTING THE LINE OF SIGHT OF A SIGHTING TELESCOPE

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32,030

2 Claims. (Cl. 33—50)

ABSTRACT OF THE DISCLOSURE

A telescopic sight for firearms is adjustably mounted at each of two longitudinally-spaced points by means of a pair of eccentric half rings that are held together by a cylindrical spring split ring, this assembly being held in place on the firearm by means of a hinged annular collar that is closed by a clamping screw.

My invention has for its object an arrangement for adjusting the line of sight of the sighting telescope on a gun.

My invention has chiefly for its object to further said adjustment and stabilize the telescope.

Hitherto sighting telescopes were usually carried by guns such as carbines, rifles and the like through the agency of collars or the like supports. However, even if particular care is taken in the machining of such arrangements and in their attachment to the gun, it is always necessary to adjust the sighting telescope in order to hit the target.

In order to reach such a result, the sighting telescopes or glasses used nowadays incorporate sometimes an inner mechanism such as a graticule which is adjustable, without this being always sufficient for obtaining the desired result.

My improved adjusting arrangement for the line of sight of a cylindrical sighting telescope on a gun includes chiefly two similar spaced members carrying said sighting telescope and connected with the gun, each member being constituted by a slotted cylindrical ring the axis of which is eccentric with reference to the axis of the sighting telescope, said ring enclosing the sighting telescope being provided furthermore with an annular rib which may be reached by the operator so as to allow a rotation of the ring during adjustment while the ring may be fitted on the gun by a member provided with a cylindrical housing enclosing said ring.

I will now disclose by way of example, in a non-limiting sense, a number of embodiments of my invention. In the accompanying drawings:

FIG. 1 is a side view of the sighting telescope carried by a support, said figure including a sectional view of the adjusting ring.

FIG. 2 is a cross-section through line II—II of FIG. 1.

FIG. 3 is an axial sectional view of a further embodiment of the adjusting ring.

FIG. 4 is a cross-section through line IV—IV of FIG. 3.

The embodiment illustrated in FIGS. 1 and 2 includes

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two similar securing members constituted each by two separate ring sections forming substantially half rings, the whole system surrounding, except for a narrow gap, the sighting telescope 1 in a manner such that the axis of said ring when fitted on the sighting telescope 1 is slightly eccentric with reference to the axis of the latter, the eccentric spacing being shown at *e*.

Each pair of half rings 3 and 13 is held fast inside a clamping collar including two sections 4 and 14 pivotally connected together at one end by a pin 10 while their opposite ends are removably assembled by the screw 5. One half-ring 14 is secured to an intermediate support 2 or else directly to a gun through any suitable arrangement such as a dove-tailed slideway 11.

After securing the sighting telescope on the gun through its securing means and before screwing home the screws 5, the sighting line is adjusted so as to pass through a target located on the axial line of the gun, this being provided by making the two pairs of half rings 3 and 13 revolve until the desired result is obtained. This being done, the ring carrying means are held fast by tightening the screws 5. In order to further their assembly, it is convenient to insert the two half rings 3 and 13 inside a cylindrical spring blade 6 slotted along a generating line as illustrated in FIGS. 3 and 4. Preferably, the blade 6 is fitted inside corresponding recesses in the half rings 3 and 13.

It is possible to use for executing the half rings 3 and 13 a material having a low modulus of elasticity such as aluminum or aluminum and magnesium alloys or else a plastic material. This is of advantage for absorbing the vibrations produced when firing the gun and for protecting the sighting glass.

About the half rings 3 and 13 it is possible to provide projecting or knurled parts 8 which allow the operator to more easily take hold of the rings during the adjustment of the line of sight.

What I claim is:

1. Apparatus for adjusting the line of sight of a cylindrical sighting telescope for a gun, comprising two spaced mountings for the telescope on the gun, each said mounting being comprised by two half rings whose ends are spaced apart and that define between them an outer cylindrical surface and an inner cylindrical surface eccentric to the outer cylindrical surface, a cylindrical spring in the form of a split ring encompassing and interconnecting the two half rings, and a mounting collar in the form of two portions, means releasably securing together said two portions in closed position about the assembly of the two half rings and the cylindrical split ring spring, one of the two portions of said collar being fixedly secured to the gun.

2. Apparatus as claimed in claim 1, said split ring spring being recessed below the surrounding surface of the half rings.

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