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MAGAZINE TUBE MOUNTING FOR SLING SWIVEL

Filed May 20, 1971

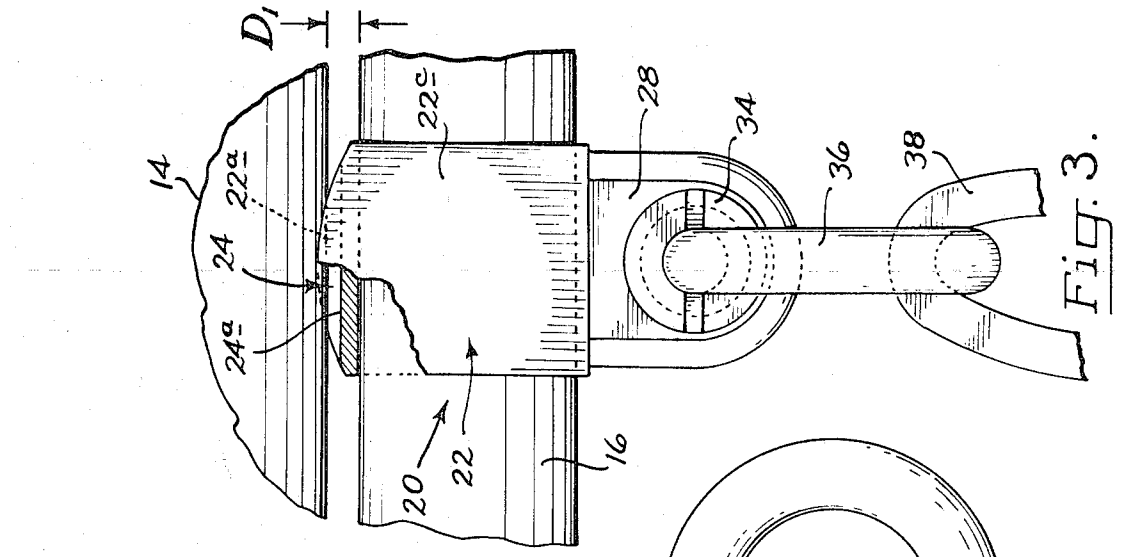


Fig. 3.

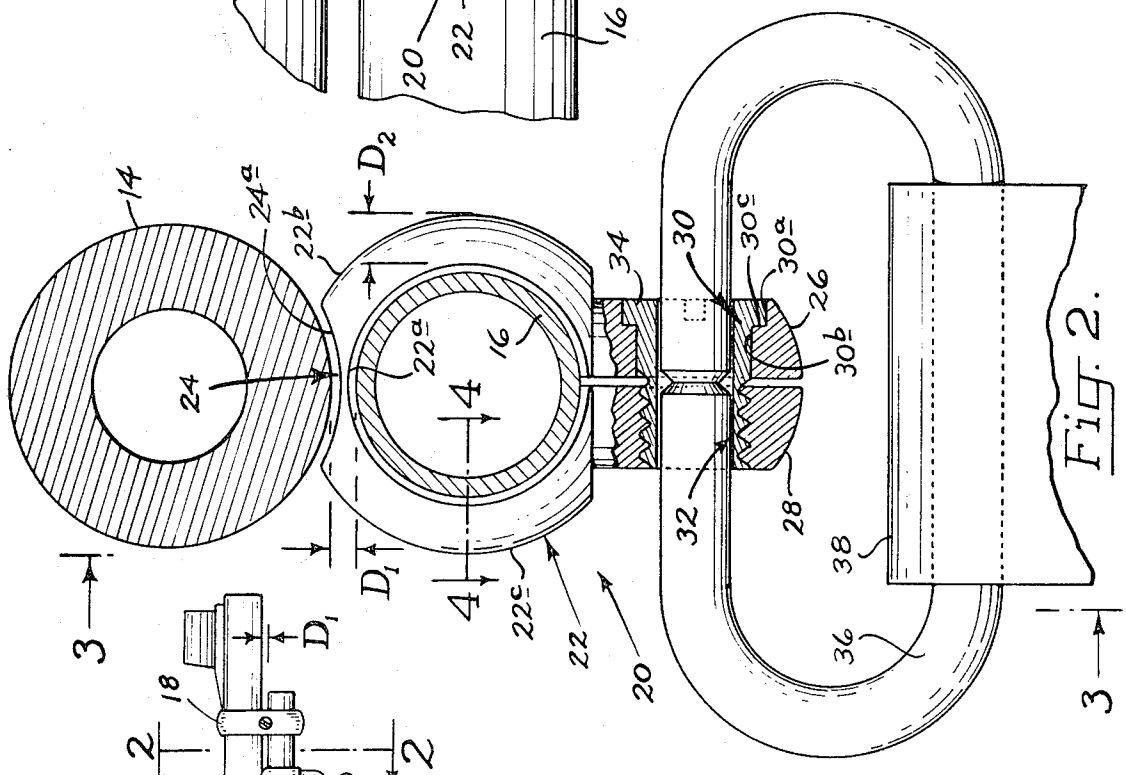


Fig. 2.

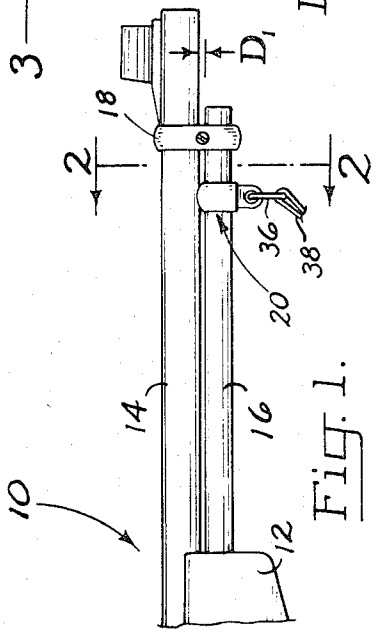


Fig. 1.

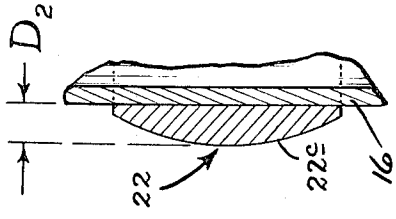


Fig. 4.

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MAGAZINE TUBE MOUNTING FOR SLING SWIVEL

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ABSTRACT OF THE DISCLOSURE

A device for mounting a sling swivel on the magazine tube of a firearm. The device includes a band notched on its outer surface to afford clearance for the adjacent barrel.

BACKGROUND AND SUMMARY OF THE INVENTION

This invention pertains to a sling swivel mounting. More specifically, it pertains such a device which is for mounting a sling swivel on the magazine tube in a firearm, such as a rifle or a shotgun.

Various types of firearms, such as those just mentioned, include an elongated magazine tube that extends along, and adjacent, and substantially parallel to the barrel. Normally, the barrel and magazine tube are slightly spaced apart.

A general object of the present invention is to provide a novel magazine tube mounting for a sling swivel for use in a firearm of the type indicated.

More specifically, an object of the invention is to provide such a mounting which comprises a novel band adapted to extend completely about and be clamped to such a magazine tube, without the mounting in any way interfering with the barrel in the space between the barrel and the magazine tube.

A related object of the invention is thus to provide such a mounting which is configured with a portion sized to fit freely in the limited space between a barrel and magazine tube.

Another object of the invention is to provide a mounting of the type so far described which is readily adaptable for use on many different types and sizes of firearms having magazine tubes, and which can be incorporated in such firearms with no modifications required in the latter.

Thus, and according to a preferred embodiment of the invention the proposed mounting comprises a generally circular band adapted to be clamped about a magazine tube, with this band including a reduced-thickness portion which is adapted to provide clearance for a barrel with the band mounted on an adjacent magazine tube. The reduced-thickness portion is defined by a concavely curved notch formed on the band's outer side.

DESCRIPTION OF THE DRAWINGS

These and other objects and advantages attained by the invention will become more fully apparent as the description which follows is read in conjunction with the accompanying drawings wherein:

FIG. 1 is a fragmentary side elevation illustrating the front portion of a rifle, and showing a sling swivel mounting as contemplated herein fastened to the magazine tube in the rifle;

FIG. 2 is an enlarged cross-sectional view, taken generally along the line 2—2 in FIG. 1, further illustrating the mounting; and

FIGS. 3 and 4 are views taken along lines 3—3, 4—4, respectively, in FIG. 2.

DETAILED DESCRIPTION OF THE INVENTION

Turning now to the drawings, indicated generally at **10** is the front portion of a rifle including the usual stock **12** on which are mounted a barrel **14** and a magazine tube **16**. Tube **16** substantially parallels barrel **14**, with the confronting surfaces of the barrel and tube spaced apart along the lengths of the two by a distance indicated at D_1. In rifle **10**, the magazine tube can be retracted from the stock (in the direction to the right relative to the stock in FIG. 1) when desired for cleaning or other purposes. Clamped to the front ends of the barrel and tube is a conventional spacer bracket **18**.

Mounted on the magazine tube in accordance with the present invention is a sling swivel mounting **20** as contemplated herein. As can be seen particularly in FIG. 2, mounting **20** comprises an annular split band **22**, preferably made of a suitable resilient steel. The band includes a central portion **22***a* joined integrally with and between a pair of end portions **22***b*, **22***c*. The two end portions in the band are substantially the same in configuration, each having a transverse cross-sectional configuration such as that illustrated in FIG. 4 for end portion **22***c*. These end portions have an effective thickness, measured radially of the band, indicated at D_2 in FIGS. 2 and 4. It will be noted that thickness D_2 is somewhat larger than previously mentioned distance D_1.

Referring now particularly to FIG. 2, it will be noted that the outer side of central portion **22***a* in the band contains a notch **24** defined by a concavely curved surface **24***a*. With the mounting in place on tube **16** as indicated, it will be observed that notch **24** provides clearance for barrel **14** in the space between the barrel and the magazine tube, with surface **24***a* spaced from and substantially concentric with the outside surface of the barrel.

Joined integrally with the lower adjacent ends of end portions **22***b*, **22***c* in the figures are downwardly projecting ears **26**, **28**, respectively. Ear **26** includes a two-diameter bore **30** having an outer end portion **30***a* of one diameter joining with an inner end portion **30***b* of a somewhat smaller diameter through a shoulder **30***c*. Ear **28** includes a threaded bore **32** which is aligned axially with bore **30**.

Ears **26**, **28** are drawn together to clamp the band to tube **16** by means of a tubular screw **34** having the construction illustrated in FIG. 2. Extending through and supported pivotally within the hollow interior of screw **34** is a conventional sling swivel loop **36** which is attached to one end of a conventional sling, shown partially at **38**.

Explaining how mounting **20** was installed on tube **16**, screw **34** was loosened sufficiently, and tube **16** retracted from the stock in the rifle to expose the tube's inner end beneath the barrel. Band **22** was then slipped over and slid along the tube, with notch **24** facing the underside of the barrel, and the magazine tube subsequently reinserted into the stock. With the band positioned at the desired location along the magazine tube, screw **34** was adjusted to tighten the band around the tube.

It will thus be apparent that a relatively simple and very convenient magazine tube mounting for a sling swivel is provided by the invention. With the band in the proposed mounting containing a notch on its outer side as described, the mounting can readily be installed on the magazine tube in a firearm without interfering with the barrel in the typically relatively small space between the barrel and the tube. The notch, in other words, provides clearance for the barrel.

With the end portions in the band, such as end portions **22***b*, **22***c*, having effective thicknesses which are greater than the distance between a barrel and the adjacent magazine tube, the mounting when installed is (in effect) keyed against rotation out of place on the magazine tube.

This is an important feature in maintaining proper positioning for a sling swivel.

Obviously, the particular dimensions of the various parts in the mounting may be modified to adapt it to various firearms.

While a preferred embodiment of the invention has been described herein, it is appreciated that variations and modifications may be made without departing from its spirit.

It is claimed and desired to secure by patent:

1. A sling swivel mounting for a firearm of the type having an elongated magazine tube spaced from and substantially paralleling its barrel, said mounting comprising:

a unitary band adapted to extend around and to be clamped about the tube, and

means on the outer side of said band defining a notch adapted to provide clearance between the band and the outside of the barrel with the band clamped about the tube.

2. The mounting of claim 1, wherein said notch is defined by a concavely curved surface.

3. In combination with a firearm having an elongated magazine tube spaced from and substantially paralleling its barrel, a sling swivel mounting comprising:

a unitary band extending around and clamped about said magazine tube, and

means on the outer side of said band defining a notch confronting and providing clearance for the outside of the barrel.

4. The combination of claim 3, wherein said notch is defined by a concavely curved surface which is substantially concentric with the outside surface of said barrel.

5. The combination of claim 3, wherein said band includes portions disposed on opposite sides of said notch each having a cross-sectional thickness measured radially of the band which is greater than the spacing between the confronting surfaces of said barrel and said magazine tube.

6. The combination of claim 4, wherein said band includes portions disposed on opposite sides of said notch each having a cross-sectional thickness measured radially of the band which is greater than the spacing between the confronting surfaces of said barrel and said magazine tube.

7. A sling swivel mounting for a firearm of the type having an elongated magazine tube spaced from and substantially paralleling its barrel, said mounting comprising a unitary band configured to extend about the tube, said band including a reduced-thickness portion adapated to provide clearance for a barrel with the band mounted on an adjacent magazine tube.

8. The mounting of claim 7, wherein said reduced-thickness portion is defined by a concavely curved notch formed on the outer side of the band.

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