Nov. 28, 1967 W. T. KASSABIAN 3,354,569

GUN BORE PROTECTOR

Filed Sept. 28, 1965

FIG. 1

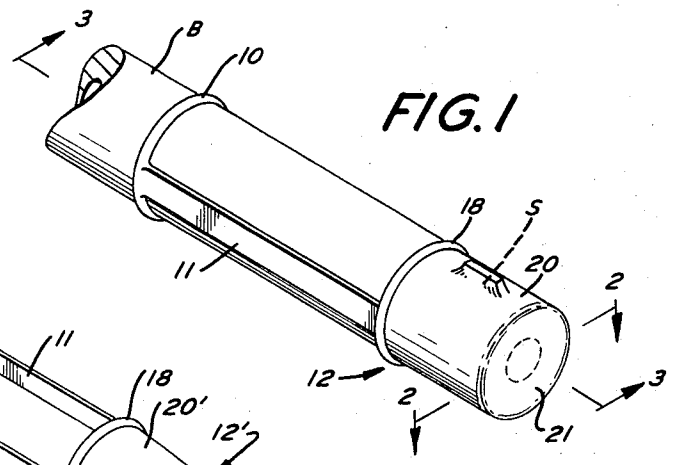


FIG. 6

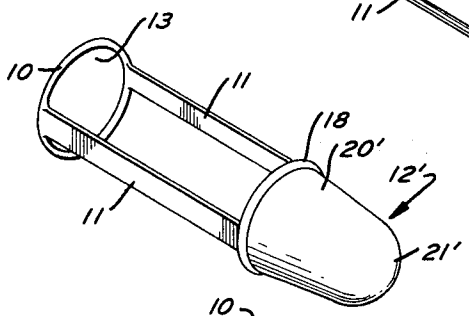


FIG. 2

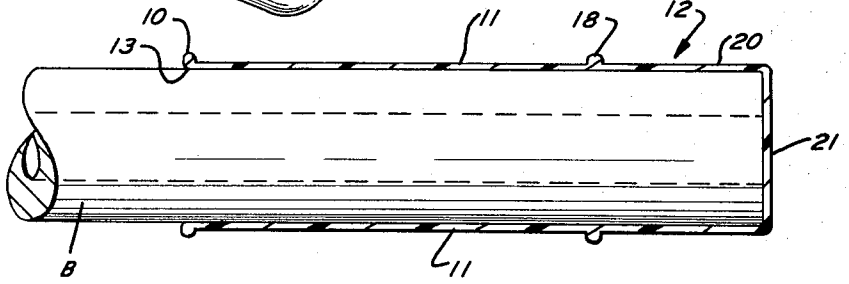


FIG. 3

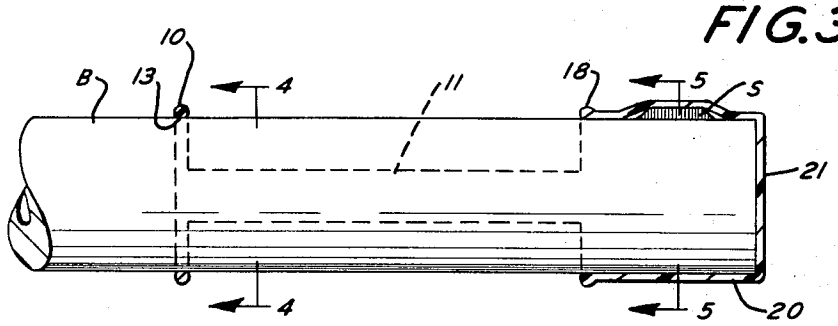


FIG. 4

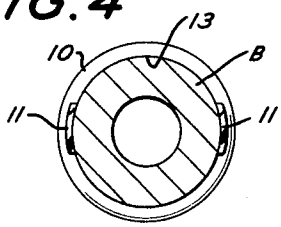
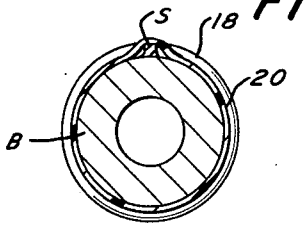


FIG. 5



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GUN BORE PROTECTOR

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2 Claims. (Cl. 42—1)

This invention relates to gun bore protectors and more particularly to a gun bore protector for portable hand held firearms.

A serious problem that faces hunters and other outdoor users of firearms is the danger present due to twigs, dirt, snow or water getting into the barrel and causing wear, corrosion, rupture of the barrel or other damage to the internal parts of the firearm. Various bore protectors have been poposed none of which has proven satisfactory as they have either failed to stay in place under use or have proven difficult to remove and replace. This invention seeks to remedy these problems.

The principal object of the present invention is to provide a bore protector for firearms that is light in weight but which is sturdy and reliable in service.

A further object of the present invention is to provide a bore protector for firearms that is simple and inexpensive to construct and which will not harm the firearm.

A further object of the present invention is to provide a bore protector for firearms that can be readily removed and replaced.

A further object of the present invention is to provide a bore protector for firearms that will allow the firearm to be discharged with the bore protector in place, without causing injury to the firearm.

Other objects and advantageous features of the invention will be apparent from the description and claims.

The nature and characteristic features of the invention will be more readily understood from the following description taken in connection with the accompanying drawing forming part thereof, in which:

FIGURE 1 is a view in perspective showing a preferred form of bore protector in accordance with the invention in place on a firearm;

FIG. 2 is a horizontal sectional view taken approximately on the line 2—2 of FIG. 1;

FIG. 3 is a vertical sectional view taken approximately on the line 3—3 of FIG. 1;

FIG. 4 is a vertical sectional view taken approximately on the line 4—4 of FIG. 3;

FIG. 5 is a vertical sectional view taken approximately on the line 5—5 of FIG. 3; and

FIG. 6 is a view in perspective showing an alternate form of gun bore protector in accordance with the invention.

It should, of course, be understood that the description and drawings herein are illustrative merely, and that various modifications and changes can be made in the structure disclosed without departing from the spirit of the invention.

Like numerals refer to like parts throughout the several views.

Referring now more particularly to the drawings in which a preferred embodiment of the gun bore protector is illustrated mounted on a barrel B having a front sight S of conventional type. The bore protector includes a rear retaining band **10**, connecting strips **11** and cap assembly **12**. The bore protector can be made of any desired material having adequate strength, elasticity and resistance to abrasion as well as to water, and for this purpose rubber natural or synthetic, or other suitable synthetic plastic material can be employed.

The rear retaining band **10** is of annular shape and extends around the exterior of the gun barrel B. The band

10 includes an opening **13**. The opening **13** is adapted to receive the gun barrel *b* with the band **10** in gripping relation to the barrel in assembled position. The retaining band **10** is preferably of semi-circular cross section and is of sufficient elasticity as to have adequate gripping action to retain the protector in place on the barrel during use, but also to permit it to be spread and slide over the front sight S onto the barrel B without permanent deformation or rupture.

Integral with the band **10** at its forwardmost edge are two horizontal elongated connecting strips **11** which are preferably of substantially rectangular cross section and which serve to connect the band **10** to the front cap assembly **12**. The connecting strips **11** can be of the same approximate elasticity as the band **10**, and, as illustrated, are spaced approximately 180 degrees apart. The strips **11** extend along the barrel B and are connected at their front ends to a front retaining band **18** of the cap assembly **12**.

The front band **18** is similar in construction to the rear band **10** and has the same elastic and gripping characteristics. The band **18** is integral with a sheath **20** which is of relatively thinner material and which consequently has greater elasticity than the bands **10** and **18**. The sheath **20** extends circumferentially around the outside of the barrel and completely covers the sight S and forward portion of the barrel B when in assembled position.

In FIG. 1 the sheath **20** is shown as being of substantially cylindrical shape, and in FIG. 6 the sheath **20'** is shown as being of frusto-conical shape with a front curved end closure **21'**.

Integral with the sheath **20** at its forward edge is an end closure **21** which closes the front end of the sheath **20**. The end closure **21** can be of flat or bowed shape as desired, and is preferably of the same thickness as the sheath **21**.

The mode of operation will now be pointed out.

When it is desired to mount the gun bore protector on a gun barrel B the band **10** is spread and the end of the gun barrel B desired to be protected is inserted into the central opening **13** of the band **10**. The band **10** is pulled back over the front sight S on the gun barrel B and rearwardly on the barrel B until the reinforcing band **18** is at the end of the barrel B. The barrel B is inserted into the opening in the band **18** and the band **18** is spread to pass over the front sight S. The cap assembly **12** is then forced back over the front sight S until the end of the barrel B contacts the interior of the closure **21**. The rear retaining band **10** is then pulled back to apply slight tension on the connecting strips **11**, as desired, to retain the cap assembly **12** more firmly on the barrel B. When the firearm is to be discharged the front cap assembly **12** can be pulled forwardly off the end of the barrel B and moved below the barrel B where it will not interfere with the use of the sight S and with the discharge of the firearm and where it is retained by strips **11** and band **10**. If desired the firearm can be discharged with the cap in place without damage to the firearm however damage will result to the cap assembly **12**.

I claim:

1. A universal gun bore protector for mounting on the muzzle end of the barrel of a firearm comprising, in a one piece construction,

a rear annular elastic retaining band portion for gripping engagement with the barrel,

a front closed cap portion for preventing access of foreign material to the gun bore and for disposition in covering relation to the front sight, and

at least one elastic longitudinally extensible strip portion betwen said rear retaining band portion and said cap portion, said strip portion including two diamet-

rically oppositely spaced strips, permitting displacement of said cap portion with respect to said rear retaining band portion with said band portion in engagement with the barrel.

2. A universal gun bore protector for mounting on the muzzle end of the barrel of a firearm comprising, in a one piece construction,

a rear annular elastic retaining band portion for gripping engagement with the barrel,

an imperforate front elastic cap portion for preventing access of foreign material to the gun bore and to the front sight,

said cap portion having a continuous rear annular elastic retaining band,

said cap portion having a sheath and a front closure, and

a plurality of spaced elastic longitudinally extensible

strips connecting said rear band portion and said cap portion and permitting displacement of said cap portion with respect to said rear band portion.

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