This invention relates to new and useful improvements in muzzle attachment for gun barrels and the primary object of the present invention is to provide a muzzle attachment for gun barrels including novel and improved gas relief means for reducing the normal sound emitted during the firing of a gun and the usual recoil effect by the firing of a gun. Another important object of the present invention is to provide a muzzle attachment for gun barrels including a muzzle engaging member and a novel and improved projectile receiving guide so arranged as to be spaced from the muzzle engaging member to form a gas chamber which will reduce the pressure of the gases within the muzzle engaging member acting on a projectile, to stabilize the forward movement of the projectile as the same is discharged from the guide.

A further object of the present invention is to provide a muzzle attachment for gun barrels including a gun barrel engaging member, and a projectile guide having an axial bore removably carried by the body facilitating the placement of the guide by a further guide having an axial bore of a smaller or larger diameter for use of the guide with projectiles of various sizes.

A still further aim of the present invention is to provide a muzzle attachment for gun barrels that is simple and practical in construction, strong and reliable in use, small and compact in structure, neat and attractive in appearance, relatively inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a fragmentary side elevational view of a gun barrel and showing the present muzzle attachment applied thereon;

Figure 2 is an enlarged longitudinal vertical sectional view taken substantially through the center of Figure 1;

Figure 3 is a side elevational view of the projectile guide used in conjunction with the present invention, and showing the said guide removed from the gun barrel engaging body; and

Figure 4 is a transverse vertical sectional view taken substantially on the plane of section line 4—4 of Figure 2.

Referring now to the drawings in detail, where-
from the body to facilitate a further guide member to replace the same having a smaller or larger diameter when the device is employed on gun barrels of various sizes.

The function of the present muzzle attachment is to reduce the normal pressure of the gas leaving the gun barrel, thus increasing the normal time for the gas to be dispersed from the gun barrel. It is known that approximately seventy per cent of the fire power or gases employed during the firing of a projectile is employed for the forward direction of a projectile, the remaining thirty per cent being the proportion which effects a sound, flashing, or recoil to the gun. It is therefore the primary feature of this invention to reduce and restrict the escaping gases thus preventing the normal recoil of the gun, the sound emitted during the firing of a projectile, and the flashing prevalent during such firing operation.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed is:

A muzzle attachment for gun barrels comprising a cylindrical body having inner and outer internally threaded end portions, a projectile receiving guide having a flanged externally threaded end portion receivably engaging the outer internally threaded end portion of said body, said flanged end portion being apertured, and an annular internal shoulder provided in said body adjacent the inner end portion of said body, said guide having an enlarged end portion abutting said shoulder and one end of a barrel, said guide being apertured and having its outer periphery spaced from the inner periphery of said body to define a gas chamber between said body and said guide.

ROBERT JANZ.

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