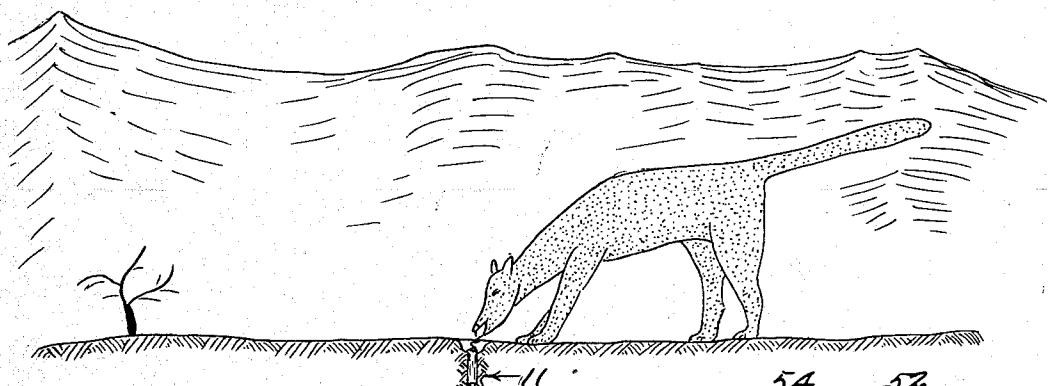
July 18, 1944. C. L. WAINWRIGHT 2,353,798

AMMUNITION

Filed March 6, 1942

Fig. 1



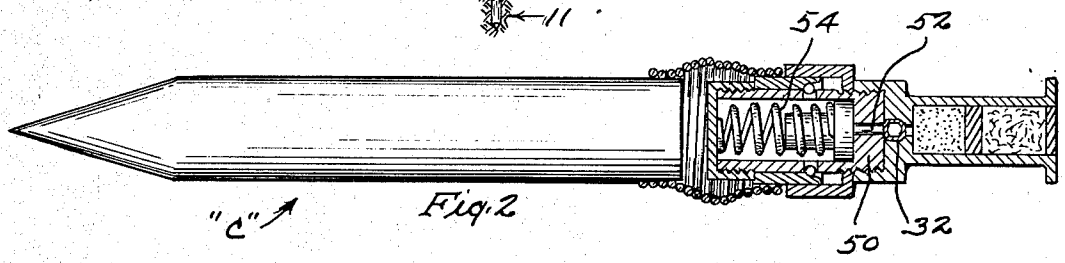


Fig. 2

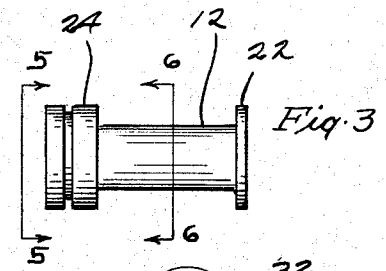


Fig. 3

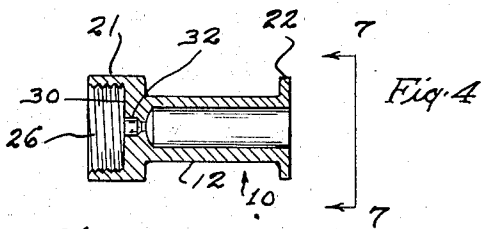


Fig. 4

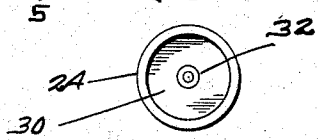


Fig. 5

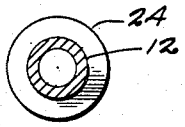


Fig. 6

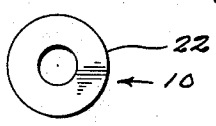


Fig. 7

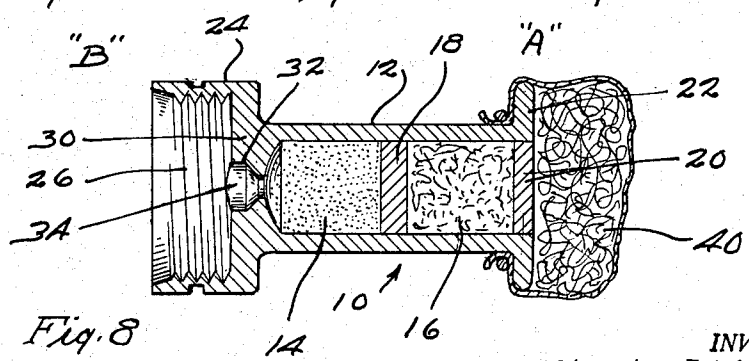


Fig. 8

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2,353,798

AMMUNITION

Charles L. Wainwright, San Bernardino, Calif.

Application March 6, 1942, Serial No. 433,537

2 Claims. (Cl. 43—84)

As the title indicates, the subject matter of the instant invention relates, in general, to ammunition. However, as a further reading will show, the present invention is particularly concerned with a cartridge so modified and adapted as to form an adjunct or appurtenance for the device of my co-pending application for patent, entitled "Chemical gun-trap," Serial Number 379,608, filed February 19, 1941, and issued November 10, 1942, as Patent No. 2,301,764.

In gun-traps of the character contemplated in the above entitled application, a detachable barrel is positioned upon the gun apparatus and the barrel is adapted to receive a conventional brass cartridge of suitable caliber, the cartridge being fired by impact of a firing pin, and the barrel serving to confine and direct the explosive force in the sense that gun barrels are usually employed.

The practice heretofore prevailing in the art has borne the inherent handicap of wastefulness in as much as after use each cartridge case was discarded or thrown away, and this practice, in view of the considerable numbers of cartridges used, represents a great economic waste, especially in critical times such as we are now experiencing.

Accordingly I have conceived a new arrangement in which a cartridge case is so modified as to be directly attachable to the body of a gun adapted to fire the same, thereby effecting a distinct economy of metal in the case of the ammunition, for after use, the cartridge case is reloaded for further use.

Therefore, an object of the present invention is to form an article of manufacture possessing the inherent attributes of a cartridge and gun barrel for the purpose of containing and directing an explosive charge.

A further object of the invention is to provide a type of ammunition which after use may be refilled for subsequent use.

Another object of the invention is to provide an article of manufacture adapted to serve as a cartridge and having means formed therein for attachment of the same to a gun mechanism.

Still another object of the invention is to provide an article of manufacture comprising a cartridge shell adapted to be detachably secured upon a gun mechanism for use, the said cartridge shell also being provided with means to secure a lure thereon.

Still another object of the invention is to provide an article of manufacture comprising a cartridge loaded with a lethal charge and being adapted to be detachably secured upon a gun mechanism, the article being further adapted to be taken in whole or in part within the mouth of an animal and being provided with an annular flange at its outer end whereby a grip may be provided to prevent the teeth of the animal from slipping therefrom.

Still other objects of the invention reside in the provision of low cost ammunition adapted to a particular use, and which is readily re-loaded for subsequent use.

Other objects, features and advantages of the invention may be observed from the accompanying drawing, the specification, and the subjoined claims.

In the drawing, there being one sheet:

Figure 1 is a utility view showing the method of planting or locating the gun upon which the cartridge of this invention is placed and the method of approach thereto by an animal.

Figure 2 is a view showing the cartridge of this invention secured upon a gun apparatus, the cartridge and part of the gun being shown in section.

Figure 3 is a side elevation of the cartridge of this invention.

Figure 4 is a longitudinal sectional view of the cartridge.

Figure 5 is a view taken along line 5—5, Figure 3, showing the cartridge in end elevation.

Figure 6 is a view taken along line 6—6, Figure 3, showing the cartridge in transverse section.

Figure 7 is a view taken along line 7—7, Figure 3, showing the cartridge in front elevation.

Figure 8 is a longitudinal sectional elevation in which the cartridge is shown in loaded condition and has an animal lure or bait secured over and upon the discharge end thereof.

The device 10 of this invention, as the title indicates, refers to ammunition in the general sense that it is employed as a lethal weapon to destroy predatory animals.

Reference to the several figures of the drawing will show that the device 10 comprises a metallic tube 12 adapted to receive a charge of explosive 14 and a lethal charge or load 16 separated by wadding 18, while adjacent the free end A of the tube 12, other wadding 20 is used to confine the charge 16 therein. An annular flange 22 is formed upon the free end of the tube 12 and not only strengthens the device against rupture when fired, but also provides an anchor and gripping point for application of a longitudinal pull whereby a firing mechanism

may be tripped as will be hereinafter set forth.

The end B of the device or cartridge is outwardly flared and is of greater transverse section than across the tube 12 and the outer surface 24 of this portion of the cartridge is parallel with the longitudinal axis of the article or cartridge case, while the inner portion thereof is bored in a greater diameter than the inner diameter of the tube 12. Threads 26 are cut in the shell thus formed and are adapted to hold the cartridge in detachable union upon a gun apparatus C.

The material 30 remaining between the base of the threaded bore and the end of the tube 12 constitutes a barrier between these divisions of the cartridge and as shown in Figures 2, 4, 5, and 7, this wall or barrier is bored at 32 to such size and shape as to tightly receive a percussion cap 34 to fire the charge of powder 14.

Since the ammunition of this invention is primarily designed to destroy predatory animals such as the coyote, it is desirable that suitable bait 40 be secured upon the case of the cartridge as a means to lure the animal thereto.

After an animal has been enticed to the gun-trap 11 and the bait 40, such animal will instinctively take the bait in its mouth and pull upon the same, thus it is necessary that the bait be securely positioned upon the cartridge, accordingly resort is made to the annular flange 22 as an anchor upon which the bait is securely positioned to prevent accidental dislodgement and also as a grip for the teeth of the decoyed animal. The bait 40 is composed of a mass of fur or other matter which has previously been well scented with special matter for which the animal sought seems to have a particular fondness, however, scent per se has no particular bearing upon the present application and is here mentioned only in a general way and as forming only a component part of a preferred combination of elements.

The cartridge of this invention is adapted to be used upon the gun apparatus C and is placed in operative position by threadedly joining the end B upon the threaded boss 50 of the apparatus or gun C, which is also provided with a firing pin 52, actuated by the spring 54, upon a longitudinal tug or pull upon the end A of the cartridge, represented in Figure 8 by the bait 40. Operation of the several elements of the gun C is not deemed essential to an understanding of the present invention, for it will be apparent that with the cartridge positioned as shown in Figure 2, that upon a free and forceful movement of the firing pin 52, the primer cap 34 will explode and fire the powder 14 and the explosion resulting therefrom will forcibly expel the lethal charge 16 into the mouth of the animal which has taken the bait 40 into its mouth.

Experience has shown in a wide number of cases that the type of gun trap and the ammunition herein disclosed form a most efficient means of destroying predatory animals.

Also, ammunition prepared in accordance with the teaching of this application permits of a number of advantages not heretofore present in operating traps of this character. The first of these advantages is represented by the fact that being prepared under conditions of normalcy, the powder and lethal charge are uniform. Also, the bait is a maximum potency and is better secured in position upon the cartridge than if prepared under trying conditions represented by cold, snow or rain, and wind. After having found a cartridge in exploded or fired condition it is only necessary to unscrew the cartridge case from the threaded boss 50, to cock the gun mechanism and to then screw a fresh cartridge upon the boss 50. The gun trap is then ready for subsequent use.

It is conceivable that various changes and modifications may be made in practicing the invention in departure from the particular showing of the drawing and description as given, without however, departing from the true spirit of the invention as defined by the scope of the appended claims, wherefore, the drawing, and description are illustrative only of the preferred form of the invention, while the claims are to be construed as a true measure of the invention.

I claim:

1. An article of manufacture comprising a cartridge, said cartridge having end portions of unlike transverse section and having an intermediate tubular portion, one of said end portions being threaded for functional positioning, and the other of said end portions being adapted to form a gripping point whereby a longitudinal pull may be applied to the cartridge to trip a firing mechanism.

2. An article of manufacture comprising a device adapted to hold an explosive charge, said article forming in essence a gun barrel and being formed with a central cylindrical body portion, and end portions, one of said end portions having a relatively narrow flange extending around the periphery thereof, the other of the ends thereof being formed with an enlarged threaded chamber whereby the device may be threadedly secured upon a gun mechanism for functional use, said threaded chamber and said central body portion being separated by an apertured wall, the aperture in the said wall being adapted to receive a primer for detonating said explosive charge.

CHARLES L. WAINWRIGHT.