May 12, 1964 F. J. FULLER 3,132,587

PROJECTILE

Filed May 14, 1962

FIG. 1

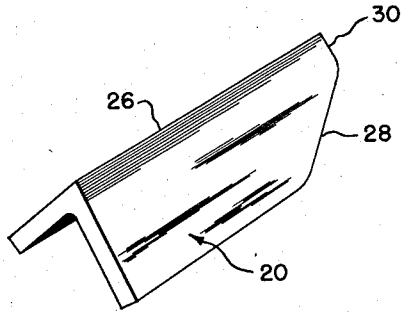


FIG. 6

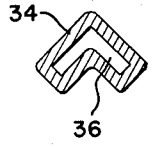


FIG. 2

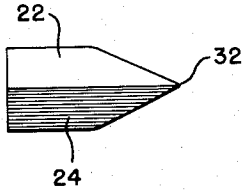


FIG. 4

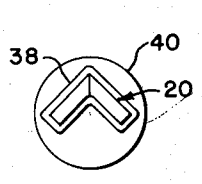


FIG. 3

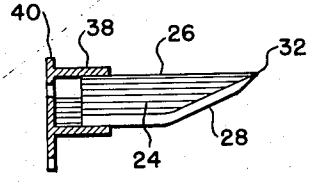
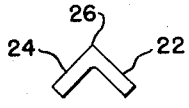


FIG. 5



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PROJECTILE

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1 Claim. (Cl. 102—38)

The present invention relates to a projectile and more particularly to one which is fired from a gun barrel.

The projectile of the present invention is elongated and has the shape of an angle in cross section at right angles to the elongation or linear direction threof. In the preferred embodiment, the elongated projectile has the shape of a righet angle in cross section at right angles to the linear direction thereof. Too, in the preferred embodiment, the front of the side walls of the projectile angle rearwardly from adjacent the front portion of the crest formed by these side walls.

Further features and the advantages will be apparent from the following description, reference being had to the accompanying drawing whrein a preferred embodiment of the invention is illustrated.

In the drawing:

FIG. 1 is a perspective view of the projectile.

FIG. 2 is a top plan view of the projectile.

FIG. 3 is a side view of the projectile and the cartridge case therefor, the cartridge case being shown in cross section.

FIG. 4 is a front view of the projectile and cartridge case.

FIG. 5 is a rear view of the projectile removed from the cartridge case, and

FIG. 6 is a cross sectional view of the gun barrel used in the present invention.

Referring more in detail to the drawing, the elongated projectile is shown at **20**. It is angular in cross section, including two side walls **22** and **24**, the crest of which is indicated at **26**. The fronts of the side walls angle rearwardly from adjacent the front portion of the crest as shown at **28**, to form a blunt nose **30** as shown in FIG. 1, or from the crest to provide a pointed front **32** as shown in FIGS. 2 and 3. Preferably, the side walls **22** and **24** are at right angles and, in cross section, simulates an angle iron.

Of course, the gun barrel must have an elongated rectangular passage therein. Such gun barrel is shown at **34** and the conforming passage is shown at **36**.

The cartridge case for the projectile is shown at **38**. The rear end **40** can be cylindrical, and then the forward end is crimped to conform with the angular outside periphery of the projectile, and to closely embrace the inner surfaces of the walls **22** and **24**.

The present invention has the advantage of maintaining a flatter trajectory or shorter ordinate in flight with less propelling powder, and is not materially affected by windage.

While the form of embodiment herein shown and described constitutes preferred form, it is to be understood that other forms may be adopted falling within the scope of the claim that follows.

I claim:

In combination, a cartridge case and an elongated projectile having the shape of an angle iron in cross section at right angles to the linear direction thereof, the fronts of the side walls thereof angle reawardly from adjacent the front portion of the crest thereof, and the rear end of said projectile extending into the cartridge case, said cartridge case closely embracing said rear end.

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