Sept. 28, 1943. E. C. BOMAR 2,330,200

CARTRIDGE CASE

Filed Nov. 29, 1940

Fig. 1.

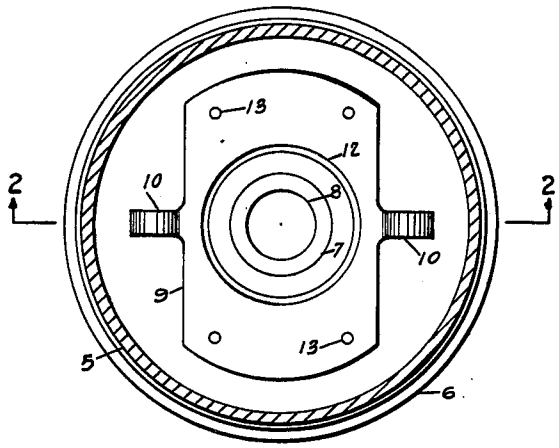
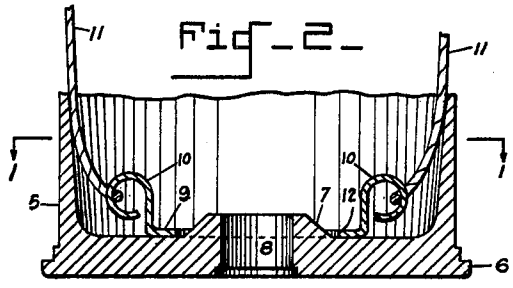


Fig. 2.



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CARTRIDGE CASE

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3 Claims. (Cl. 102—43)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The invention described herein may be manufactured and used by or for the Government for governmental purposes, without the payment to me of any royalty thereon.

This invention relates in general to a cartridge case and more particularly it has reference to means for retaining a propellant charge and increments thereof in the cartridge case of a round of semi-fixed ammunition.

In U. S. Patent 1,746,553 the means for anchoring the units of the propellent charge consists of a pair of hooks or screw eyes which are threaded in the base of the cartridge case. Difficulties are encountered in tapping the holes in the base and in inserting the screw eyes. These operations are slow and tedious and require considerably more time than the remaining operations in the manufacture of the case with the result that congestion in the assembly line seriously checks progress in the production of cartridge cases.

The purpose of this invention is to provide a simple and novel charge-retaining or anchoring means which may be readily applied to the inner wall of the base of a cartridge without weakening the base.

The specific nature of the invention as well as other objects and advantages thereof will clearly appear from a description of a preferred embodiment as shown in the accompanying drawing in which:

Fig. 1 is a sectional view of a cartridge case taken on the line 1—1 of Fig. 2;

Fig. 2 is a sectional view on the line 2—2 of Fig. 1.

Referring to the drawing by characters of reference, there is shown a portion of a cartridge case comprising a cylindrical wall 5 and a base 6 having its central portion of increased thickness by the provision of a frusto-conical projection 7 on its inner side. The central portion is formed with an aperture 8 for receiving the usual primer (not shown).

The retaining or anchoring means consists of a thin plate 9 having forwardly projecting hooks, eyes or loops 10 for receiving the customary cord 11. The loops may be provided by stamping from the plate or they may be separately formed and secured to the plate in any suitable manner. The plate is provided with a central aperture 12 for accommodating the projection 7 of the cartridge base and it lies flat on the inner wall of the base.

The attachment of the plate to the base may be accomplished in any convenient manner. For example the plate may be provided with a plurality of small apertures 13 to facilitate welding.

I claim:

1. A cartridge case having a base with a central projection on its inner wall, a plate fixed to the inner wall of the base and having an aperture for the central projection, said plate provided with forwardly projecting loops, sufficiently rigid to serve as anchors for propellent charge-holding cords, said loops being spaced from the side walls of the cartridge and opening rearwardly of the cartridge.

2. A cartridge case having a base, a plate lying flat against the inner wall of the base and fixed thereto, and forwardly projecting loops carried by the plate and integral therewith, said loops being sufficiently rigid to serve as an anchor for propellant charge-holding cords, spaced from the side walls of the cartridge and opening rearwardly of the cartridge.

3. A cartridge case having a base, a plate lying flat against the inner wall of the base and fixed thereto, and loops carried by the plate and projecting forwardly therefrom, said loops being sufficiently rigid to serve as an anchor for propellent charge-holdings cords, and said loops being spaced from the side walls of the cartridge and opening rearwardly thereof.

ERNEST C. BOMAR.