

[54] **GUN CARTRIDGE HOLDER**

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[51] Int. Cl. **F42b 39/00**

[58] Field of Search **42/87, 88**

[56] **References Cited**

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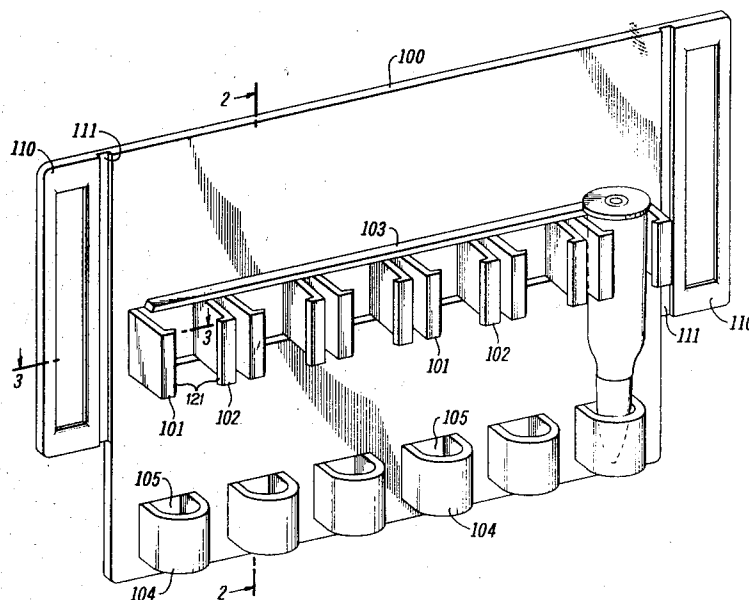
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ABSTRACT

A gun cartridge holder injection molded of thermal plastic material and adapted to hold cartridges of a variety of shapes and sizes. Cartridges are held in place by pairs of oppositely facing L shaped members and by end holding means which receive the projectile end of the cartridges. Means for attaching the holder to a belt or a gun sling are integrally formed with the holder.

5 Claims, 6 Drawing Figures



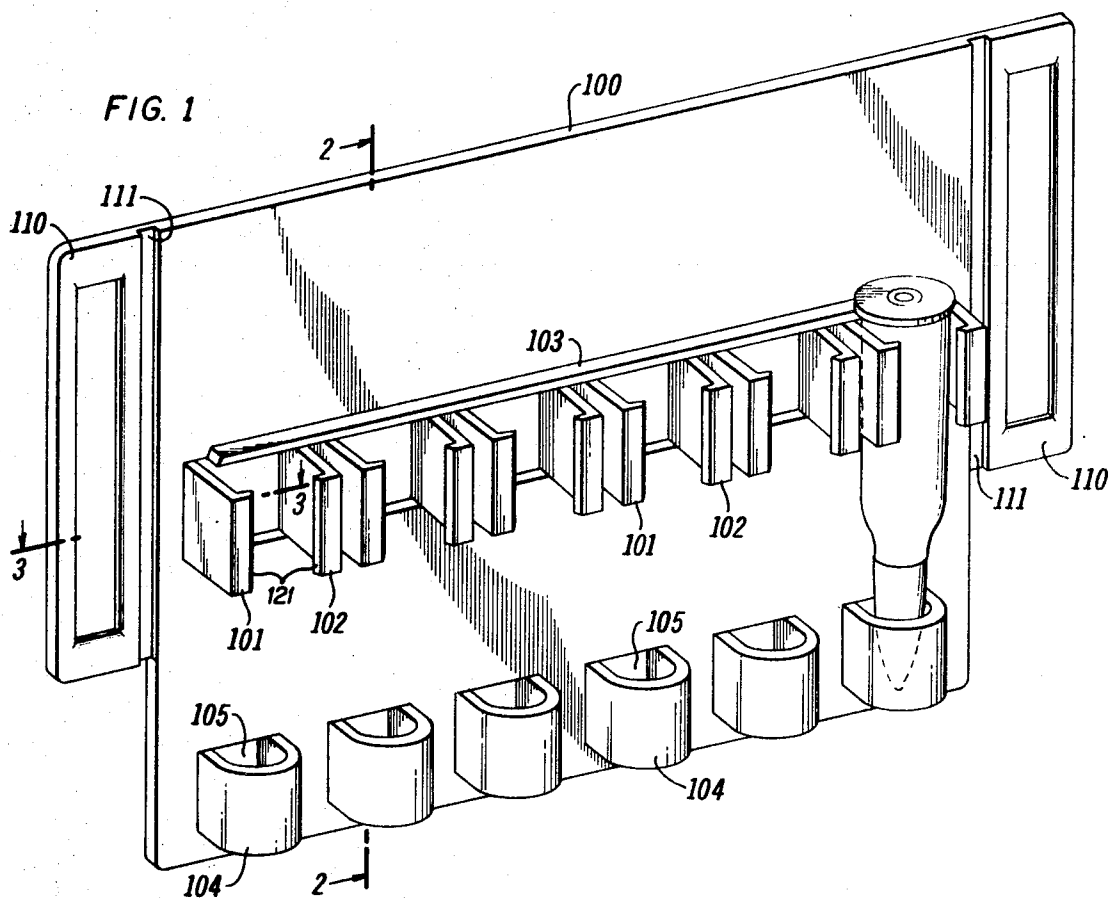


FIG. 2

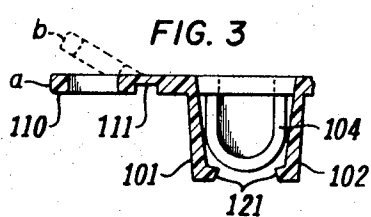
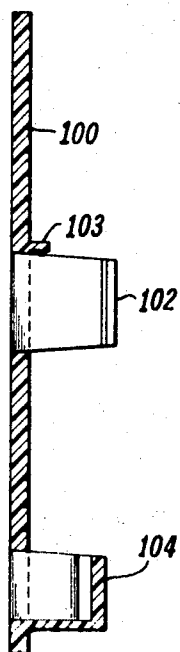


FIG. 4

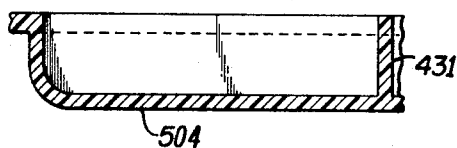
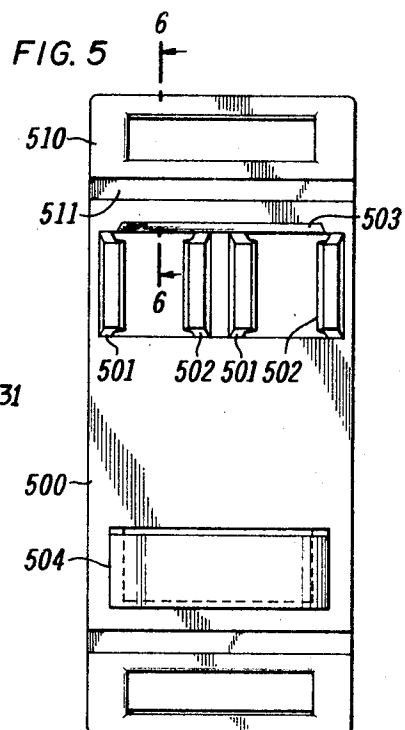
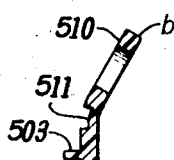


FIG. 6



GUN CARTRIDGE HOLDER

FIELD OF THE INVENTION

This invention relates to holders for gun cartridges.

BACKGROUND OF THE INVENTION

Guns which are used for pleasure purposes e.g., hunting game, skeet shooting, etc. employ cartridges of many sizes and shapes. Cartridges differ substantially in length, diameter and there are many variations in the shape of the casings and the projectiles of cartridges.

In sporting activities it is a basic requirement of cartridge holders that the cartridges be held securely for the sake of safety but easily and quickly removable from the holder while concomitantly avoiding accidental removal thereof.

It is an object of this invention to provide a cartridge holder which is capable of securely holding cartridges having a relatively wide range of sizes and shapes at each of a plurality of uniform size and shape cartridge holding positions while permitting safe and easy removal of cartridges from the positions.

SUMMARY OF THE INVENTION

In accordance with my invention a cartridge holder comprises; a monolithic body of plastic or like material, said body comprising: a substantially plane rectangular surface; a plurality of aligned cartridge holding means depending from said surface in a first direction and formed integrally therewith, said holding means each comprising a pair of oppositely facing L shaped members spaced apart to provide an opening for inserting a cartridge into said holding means; spacing means depending from said plane surface in said first direction and positioned so that cartridges in said holding means are held away from said plane surface to permit the easy removal of said cartridges, and end holding means depending from said plane in said first direction and integrally formed therewith, said end holding means positioned and proportioned to receive the projectile ends of cartridges in said holding means.

Advantageously, a cartridge holder so constructed may be injection molded of thermo-plastic material to provide a safe, lightweight, durable and relatively inexpensive but effective cartridge holder.

This invention will be readily understood by reference to the following description when read with respect to the drawing in which:

FIG. 1 shows a holder for cartridges used in a variety of relatively small arms;

FIGS. 2 and 3 are cross section views taken at the positions indicated in FIG. 1;

FIG. 4 is a cross section of the cartridge end holder of FIG. 5;

FIG. 5 shows a cartridge holder having a channel shaped end holder and arranged for mounting on a gun sling or shoulder strap; and

FIG. 6 is a cross section view taken as indicated in FIG. 5.

DETAILED DESCRIPTION

The illustrative cartridge holder of FIG. 1 is a universal holder for a plurality of cartridge sizes e.g., cartridges from 22-250 through 30.06. The holder of FIG. 1 is equipped with optional apertured attachments 110 which permit the holder to be placed on a belt. These

attachments may be omitted if the holder is not to be used on a belt.

The illustrative holder of FIG. 1 is advantageously a unitary device which is injection molder of thermo-plastic material. The term thermo-plastic material as used herein refers to plastic materials which when in the solid state can be shaped by heat and pressure. Products of such material are lightweight, durable, relatively strong, resilient and easy to maintain.

The holder of FIG. 1 comprises a rectangular shaped plane surface body 100 having depending therefrom a plurality of sets of cartridge holding means 101,102,104 which define a corresponding plurality of positions for cartridges. Additionally, the spacer 103 of FIG. 1 keeps cartridges in the holder positions spaced away from the surface of the body 100. This space permits the user to easily engage the cartridge to be removed with his fingers in position to urge the cartridge out of the position. The space 103 also may serve to strengthen and stiffen the body 100.

A position for a cartridge in the holder of FIG. 1 is defined by the opposite facing L shaped members 101 and 102 and the end holding member 104.

FIG. 3 illustrates in cross section the optional attachment member 110 and the holder members 101,102 and 103. The correspondence of elements in FIGS. 1 and 2 is indicated by the labels used in the two FIGS. The member 101 in FIG. 1 corresponds to the member 101 in FIG. 3, etc. The members 101 and 102 are proportioned to be relatively stiff so as to firmly hold the casing of a cartridge. Care is taken, however, to provide sufficient resilience in these members to permit a cartridge to be placed in and removed from a defined position. The L shaped members 101 and 102 have sloping end surfaces 121 which favor the placement of a cartridge in a defined position in a holder. A cartridge which resides in a defined position does not abut such a sloping surface, therefore, greater force is required to remove a cartridge from the holder than is required to place the same cartridge in the holder.

The cartridge end holders 104 are individual to corresponding pairs of L shaped members 101,102. The members 104, are integrally formed with the body 100. The apertures 105 in the surface of the body 100 permit protrusions of the mold to reach through the body and form the interior surfaces of the end holders 104. Where, as in FIG. 1, individual end holders are provided, the apertures 105 are relatively small and do not adversely affect the strength or the stiffness of the body 100. As seen in FIG. 2, the end holders 104 have closed bottoms which return to and are integrally formed with the end holders and the body 100.

FIG. 3 illustrates a reduction in cross section of the body 100 at the location of the vertical depression 111. This reduction in cross section permits the adjacent attachment member 110 to be bent from the in plane position a to the position b. Accordingly, a belt may be passed through the apertures of the attachment members 110 without creating a bend in the belt and without undue pressure on the body member 100.

The cross section of FIG. 2 shows further the relation of the spacer 103 and the face of the body 100.

FIG. 5 and the cross section of FIG. 4 show the details of a cartridge holder which is adapted for use with a gun sling or a shoulder strap similar to suspenders. The correspondence of the elements of FIG. 1 and FIG. 5 is clear from the labels used in these FIGS. In FIG. 5

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the cartridge end holder 504 comprises a common trough which is integrally formed with the body and depends therefrom in the manner of the individual end holders of FIG. 1. Where a common end holder trough serves only two cartridges the strength of the body 100 is not adversely affected by the aperture in the body behind the end holder. However, if a trough is used to serve four or more cartridge positions on a single body then as illustrated in FIG. 4 webs 431 may be used to join the trough and the body to lend strength and stiffness to the body. The attachment members 510 like the attachment members 110 of FIG. 1 may be bent from a position in plane with the surface of the body 500 by virtue of the depressions 511.

There are several possible variations from the above described specific examples of my invention without departing from the spirit and scope of my invention. For example, the attachment members may be permanently formed in a plane which intersects the plane of the surface of the body at an appropriate angle. Furthermore, in the event that the cartridge holders are to be carried in a pocket the attachment members may be eliminated.

What is claimed is:

1. A gun cartridge holder comprising: a monolithic body of plastic, said body comprising: a substantially plane rectangular surface; a plurality of aligned cartridge holding means depending from said surface in a first direction and formed integrally therewith, said holding means each comprising a pair of oppositely facing L shaped members spaced apart to provide an

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opening for inserting a cartridge into said holding means; spacing means depending from said plane surface in said first direction and positioned so that cartridges in said holding means are held spaced away from said plane surface; and end holding means depending from said plane in said first direction and integrally formed therewith, said end holding means positioned and proportioned to receive the ends of cartridges held in said cartridge holder.

2. A gun cartridge holder in accordance with claim 1 wherein said end holding means are individual to said pairs of L shaped members and comprise generally semi-circular loops spaced apart from said holding means and providing openings for receiving ends of cartridges.

3. A gun cartridge holder in accordance with claim 1 wherein said end holding means is common to a plurality of said holding means and comprises a trough having a generally rectangular shape in a plane perpendicular to said surface of said body.

4. A gun cartridge holder in accordance with claim 1 further comprising; at least one attachment means having an aperture for receiving by way of example a belt.

5. A cartridge holder in accordance with claim 4 wherein said attachment means and said body are integrally formed and are joined by a section of said body having a thickness less than the thickness of the remainder of said body.

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