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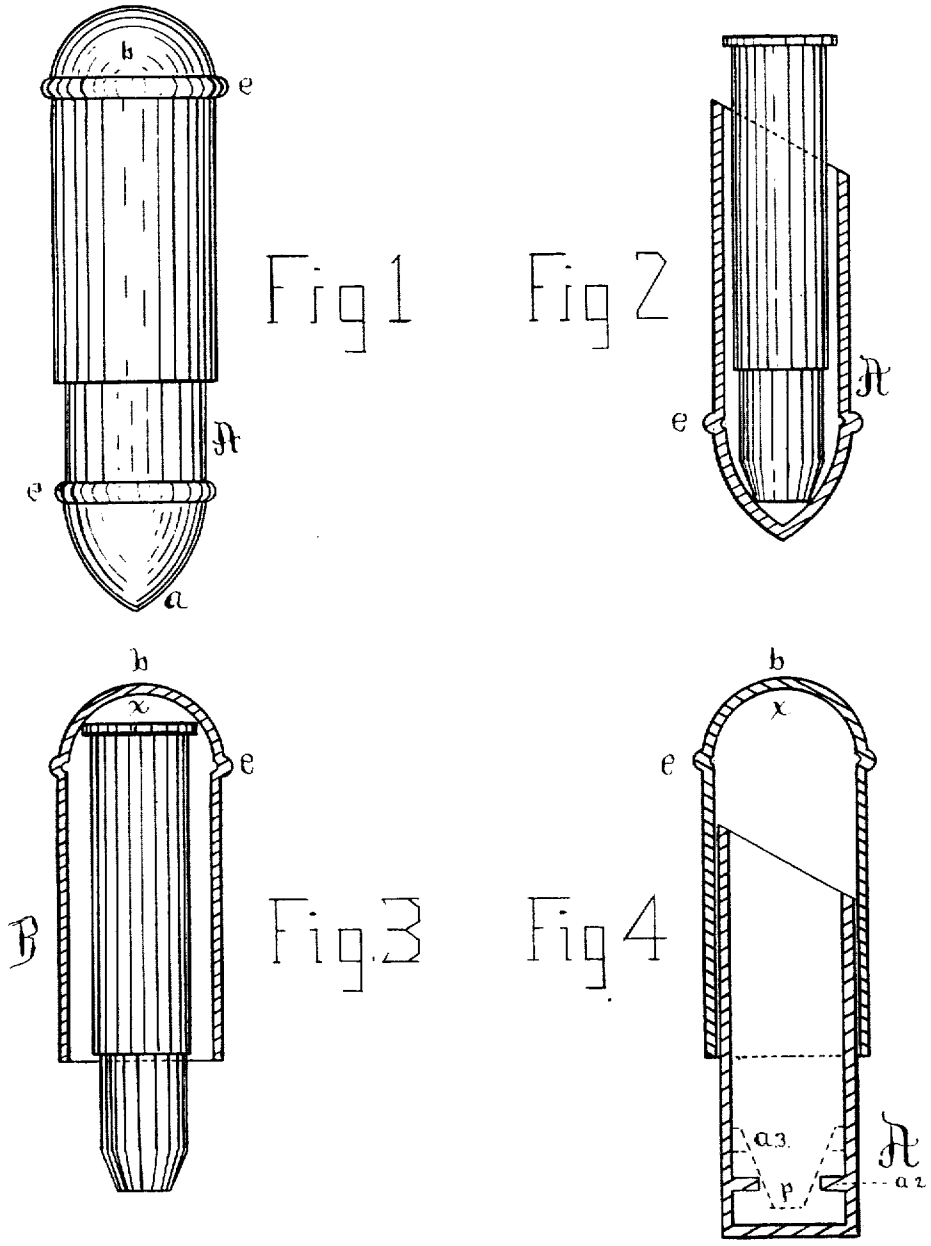
PTH10 XR 280,067

(No Model.)

D. T. MULVEY.

CARTRIDGE BOX.

No. 280,067. Patented June 26, 1883.



Witnesses.
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UNITED STATES PATENT OFFICE.

DANIEL T. MULVEY, OF CHICAGO, ILLINOIS.

CARTRIDGE-BOX.

SPECIFICATION forming part of Letters Patent No. 280,067, dated June 26, 1883.

Application filed March 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, DANIEL T. MULVEY, a citizen of the United States, and residing at Chicago, Cook county, Illinois, have invented certain new and useful Improvements in Individual Cartridge-Boxes, which are fully described in the annexed drawings and specification.

The purpose of my invention is to provide means whereby certain forms of cartridges, particularly those of greater length, may be conveniently carried about the person without danger either of accidentally exploding or distorting them. The former danger is very considerable when the cartridges are carried either loosely about the person or inclosed in a case so formed as to permit longitudinal movement of the cartridge, whereby the cap is liable to come in forcible contact with the case, and thereby cause explosion. The latter difficulty results from the fact that the ball is of necessity so slightly secured to the shell or case that lateral pressure tends to turn the point of the ball from the true axial line in which it should lie. Such lateral pressure and consequent flexure or distortion is liable to be caused by the knocking of the cartridges against each other if carried loosely in a box or pocket, and by the bending of the person in stooping when carried in a belt about the waist.

A further purpose of my invention is to afford protection to the cartridge against rain or dampness and dust.

Another purpose of my invention is to provide a cartridge-box which will hold and afford the desired security to cartridges of varying diameters or varying lengths. I aim to secure the cartridge against both longitudinal movement and lateral pressure and to completely inclose it from the weather, and this I accomplish by means of the device shown in the drawings, wherein—

Figure 1 represents the case closed and containing a cartridge. Fig. 2 represents the body of the case in longitudinal section with the cartridge inserted. Fig. 3 represents the cover in longitudinal section. Fig. 4 shows in longitudinal section a slightly modified form of box.

A is a cylindrical shell, of light sheet metal, formed in the usual manner familiar to brass-workers, open at the upper end and cut aslant for convenience of applying the cover. At the lower end it is made tapering and preferably longitudinally convex, as shown in the drawings, though the tapering portion may be strictly conical, the entire shape being such that the point of the ball, entering this tapering portion of the box to such depth as its diameter will permit, will thereby be held centrally in the box. The diameter of the body A above the tapering portion is such as to accommodate the largest size cartridge designed to be carried in it.

B is a cover, also a cylindrical shell of metal, formed of such size as to fit closely over the body of the box, and designed to be pressed down over it to greater or less extent, according to the length of the inclosed cartridge. Its diameter is such as to admit the flanged head of the cartridge-shell of the largest size which it is designed to carry. The head of the cover B is formed with the interior concavity, X, preferably substantially hemispherical, as shown, the head of the cartridge-shell, of whatever size, being supported by its circumference resting in the concave head of the case, leaving the cap which covers the fulminate in the center of the head of the shell, (reference being had to "center-fire" cartridges, so called,) free from contact with the end of the case, and so far from it that no jar consequent upon carrying about the person can cause the cap to strike the end of the case, and thereby be exploded. The form shown in Fig. 4 has a false bottom, a^2, having a central circular opening, p, large enough to receive the point of the ball, and not large enough to permit it to pass through, thus serving the purpose of the tapering end a in the preferred form shown in Figs. 1, 2, and 3. The false bottom may be made funnel-shaped, as shown by the dotted outline a^3, and in that case the opening may be smaller. The true bottom and exterior form of the box may then be straight, or the true bottom may be omitted; but these suggested forms are not preferred, though for some forms of cartridges they may be used.

For the purpose of carrying shot-gun cartridges, the end need not be tapering; but the taper does no harm, even for this use, and the box affords needed protection to the cap in the shot-gun cartridge as in the rifle-cartridge.

The body and cover of the box fit closely together, and are designed to overlap and bind to such an extent that the two parts will form a substantially rigid case, thereby protecting the inclosed cartridge against flexure or distortion.

I prefer to form the body A and the case B with an annular bead, *c*, near the end, to assist the grasp of the fingers in removing the cover from the body. The shape of the open end of the body of the case being cut aslant, as described and shown, permits the cover to be easily applied, notwithstanding that it fits closely thereto. Manifestly it is not material whether the cover or the body be cut aslant; but for the better appearance I prefer to cut the body aslant.

When desired, the case which I have described may be itself inserted with its contained cartridge in the common form of belt, wherein are provided pockets for individual cartridges, the pockets in the belt being adapted to my box, and the box, as above explained, holding securely cartridges of any length or diameter.

One advantage of my device in the form shown is that, being designed each to inclose a single cartridge, the entire quantity at any time being carried about the person may be distributed so as not to be an embarrassment by unequally weighting the body, or requiring a special belt or box to contain them; but I do not confine myself to the use of the device in this form, for it is manifest that any number of such boxes as I have described may be grouped together in a box or belt, and that no substantial variation from my invention will be required to so combine or group them.

I claim as my invention—

1. A cylindrical cartridge-box consisting of two parts, adapted to fit the one within the other, one part having a conical recess to receive the point of the ball, and the other part having its closed end interiorly concave to protect the cap, one of said parts having its open end cut obliquely, substantially as set forth.

2. As an individual cartridge-box, a cylindrical case having the tapering closed end *a*, combined with a cylindrical and closely-fitting cover having in its head the interior concavity, X, substantially as set forth.

In testimony that I claim the foregoing as my invention I have hereunto set my hand, in the presence of two witnesses, at Chicago, in the county and State aforesaid.

D. T. MULVEY.

Attest:
JAS. T. HOYNE.
CHAS. S. BURTON.