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2,148,603

CARTRIDGE SIMULATING DEVICE FOR USE IN TOY PISTOLS AND THE LIKE

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Fig. 1.

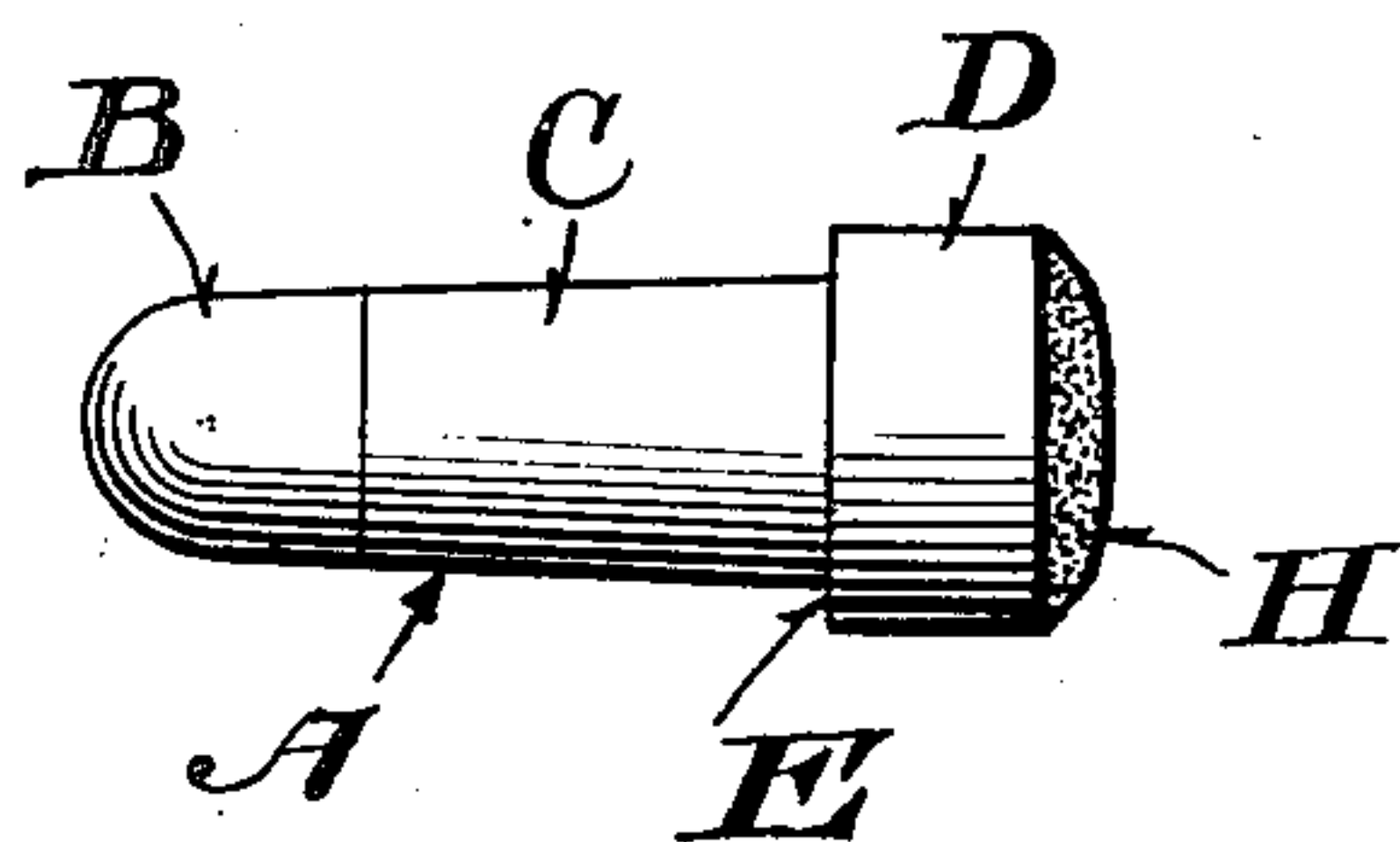


Fig. 2.

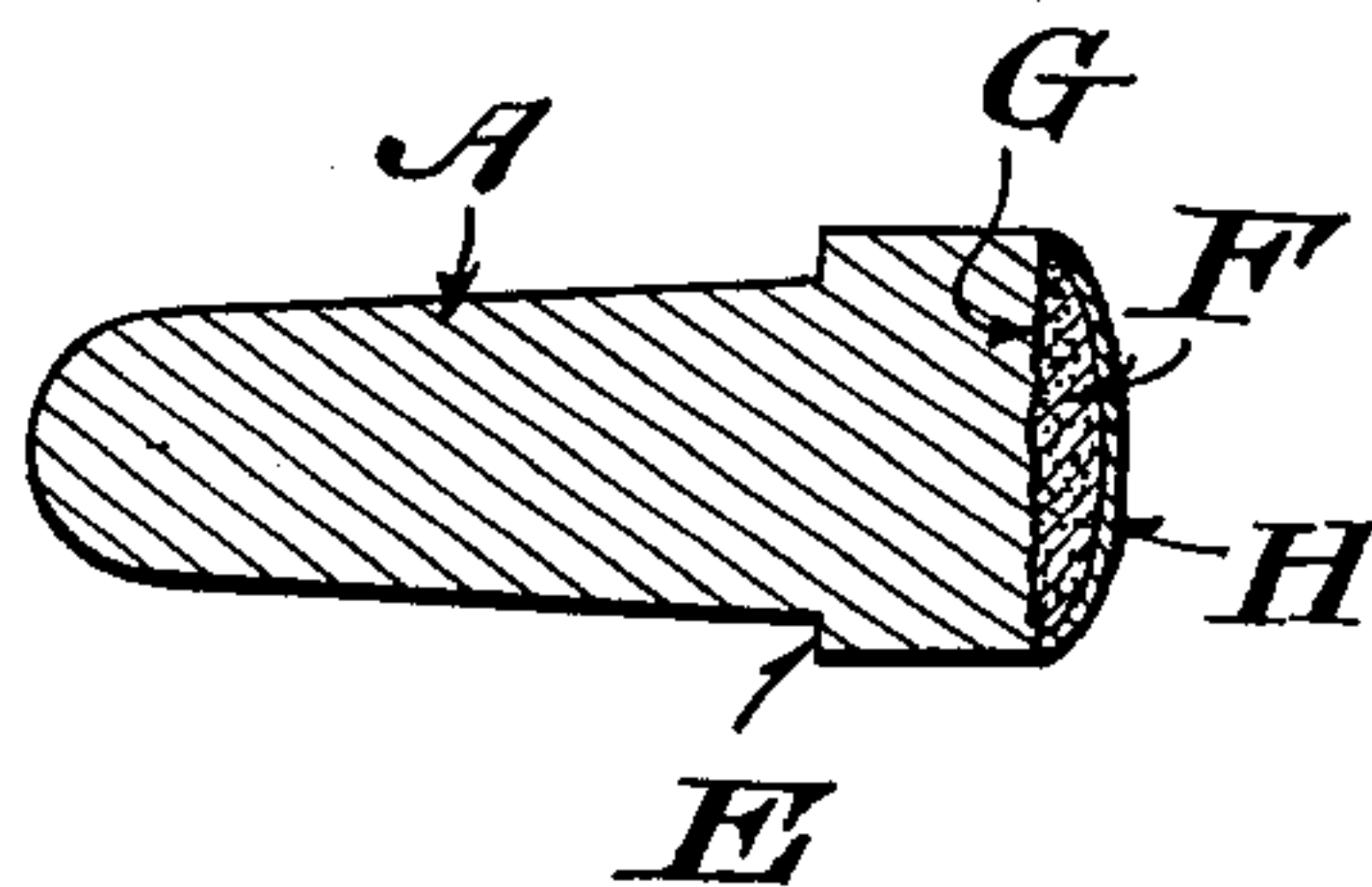


Fig. 3.

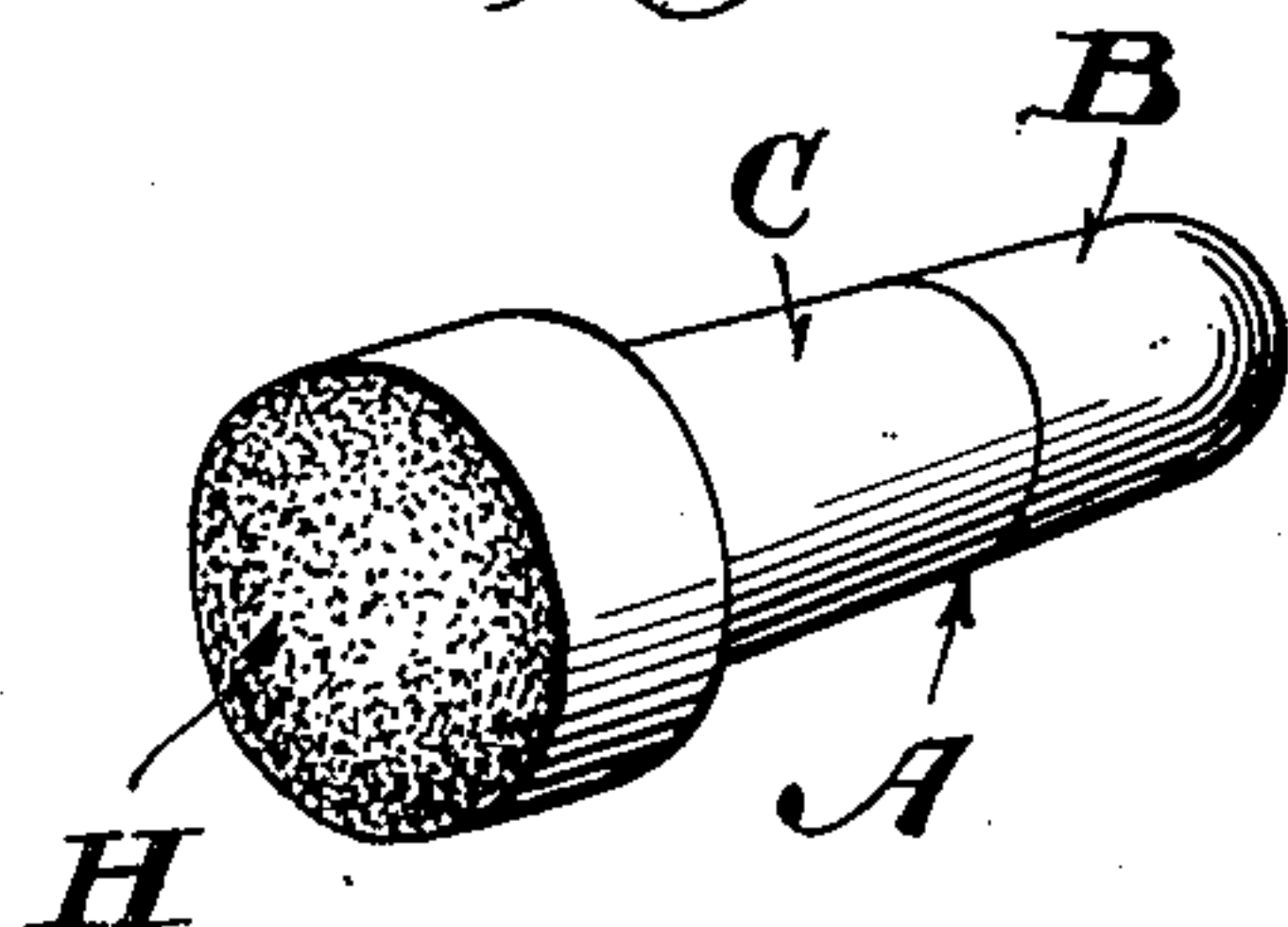


Fig. 4.

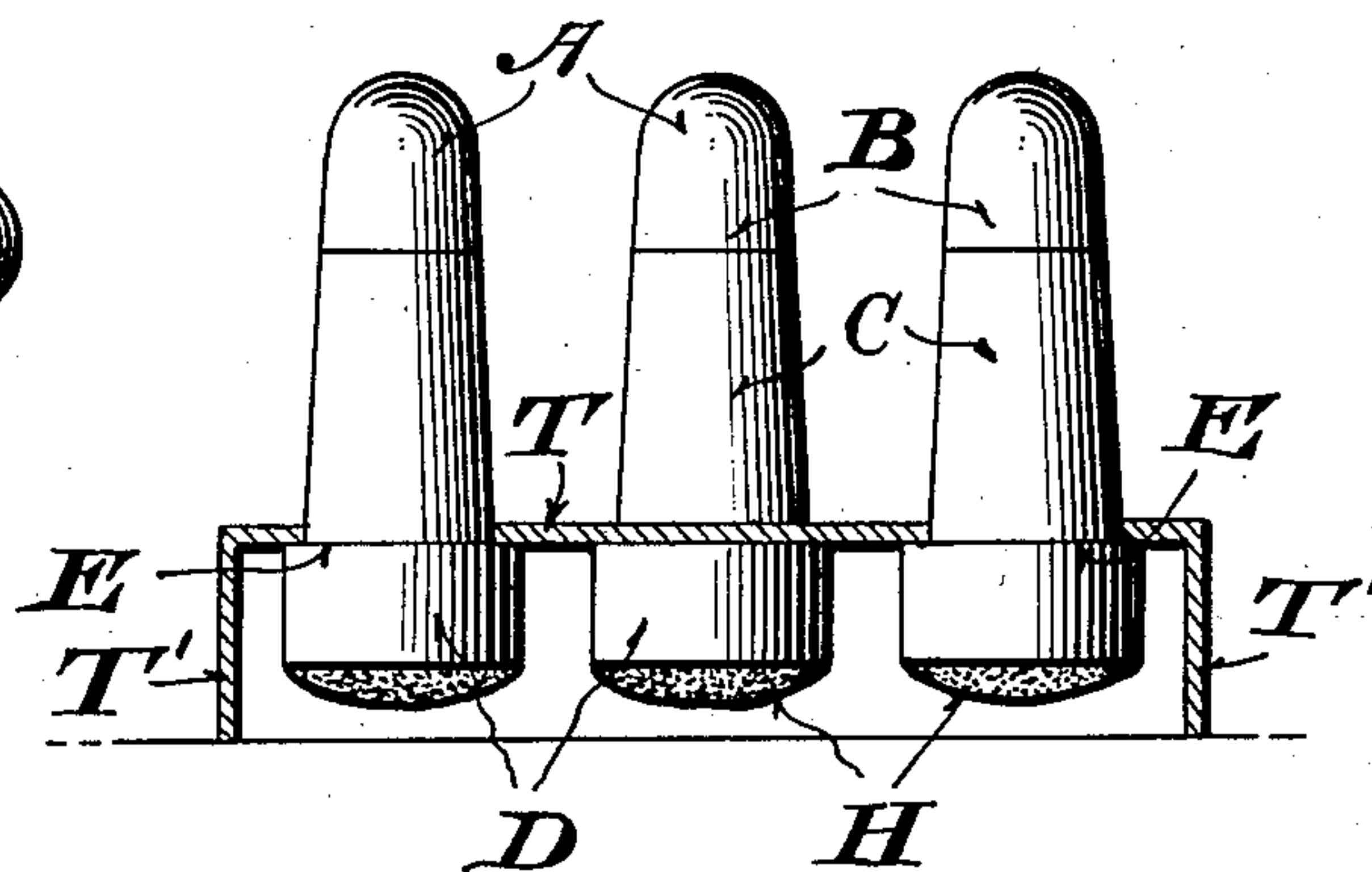
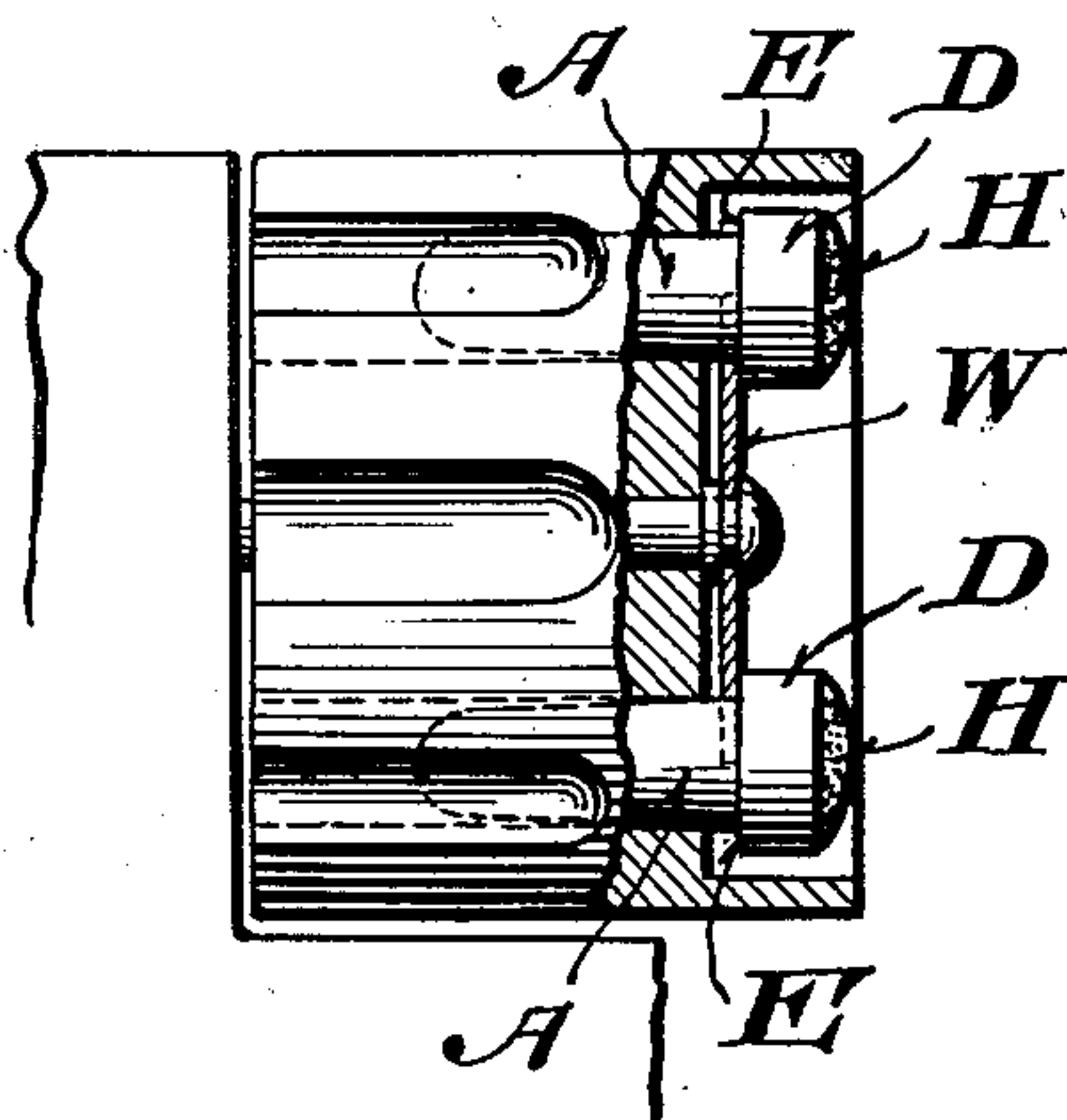


Fig. 5.



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CARTRIDGE SIMULATING DEVICE FOR USE
IN TOY PISTOLS AND THE LIKEJacob E. Brubaker, Lancaster, Pa., assignor to The
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Application November 5, 1936, Serial No. 109,389

3 Claims. (Cl. 102—12)

This invention relates to an improved toy device simulating a cartridge of the type used in pistols or other firearms, and particularly adapted for use in toy pistols.

5 Heretofore it has been the general practice to use paper caps in either single or tape form depending on whether the pistol is a single shot or repeater, and, in some pistols of the revolving cylinder type it has been proposed to use a disk
10 with the detonating charges circularly arranged thereon. It has also been known to use a toy projectile or a match having thereon a detonating charge which is exploded as the projectile is driven from the gun. In this case however, the
15 fact that the projectile is forced from the gun makes the toy dangerous and unsafe.

According to the present invention it is proposed to provide a toy cartridge having shell and bullet simulating portions and a detonating
20 charge on the base of the shell simulating portion, the latter also having a rim which prevents the cartridge from leaving the cylinder. That is to say, the present invention primarily has in view the provision of a toy cartridge which may be
25 used in a single shot toy pistol or toy pistol of the rotating cylinder type such for example as that shown in my former Patent No. 1,993,916, dated March 12, 1935, the same being suitably modified to accommodate a plurality of cartridges
30 instead of caps, and also adapted to hold the devices of the present type in the cylinder at the time of detonation and later release or eject them.

Accordingly, a special object of the invention is to provide an article of manufacture which
35 is not in any sense of the word a projectile but will take the place of caps in toy pistols with complete safety to the user while at the same time affording the user of the toy the novel experience of loading, ejecting and re-loading the
40 toy cartridge in the gun.

A further object is to provide a device wherein the detonating charge is held to the body in a novel way to prevent it from chipping off or becoming loose by abrasion with other devices,
45 and also to protect it from moisture.

With the above and other objects in view which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and
50 arrangement of parts hereinafter more fully described, illustrated and claimed.

A preferred and practical embodiment of the invention is shown in the accompanying drawing, in which:

Figure 1 is a side elevation of the improved toy cartridge.

Figure 2 is a longitudinal cross-sectional view thereof.

Figure 3 is a perspective view.

Figure 4 is a view showing the manner in which the toy cartridges may be assembled for packing and shipping.

Figure 5 is a cross-sectional view of a rotatable pistol cylinder illustrating the manner in which
10 the toy cartridge may be arranged.

Similar reference characters designate corresponding parts throughout the several figures of the drawing.

The toy device intended to simulate a cartridge
15 preferably includes a body A formed to simulate a bullet B and a shell portion C, the latter being provided with a rim or collar D which presents a shoulder E adjacent the shell portion C while the face of the base is provided with a detonat-
20 ing charge F.

The body of the cartridge including the rim or collar portion D may be made in one-piece from wood, metal or other material and the explosive charge F is adhesively secured to the face
25 of the base by any suitable adhesive material such as glue, lacquer, shellac or the like, as indicated at G, in Fig. 2. The outer face of the explosive charge may also be covered with a suitable coating or covering designated as H for
30 rendering the charge waterproof and at the same time increasing adhesion between the charge and the base of the device.

The provision of the rim or collar D is not only of practical importance inasmuch as it provides a support for the explosive charge, but also
35 the shoulder E between the collar and the cartridge simulating portion C serves to assist in the packaging of the devices for handling and shipment as shown in Fig. 4. Also, the shoulder E
40 acts as an abutment when the present devices are assembled in the cylinder S of a toy pistol as indicated in Fig. 5.

Referring to Fig. 4 it will be observed that the toy devices A may be assembled on a base T of
45 cardboard or other material which is provided with openings for receiving the shell simulating portions of the device, while the side edge portions T' thereof are bent downwardly to provide skirt or flange portions which will house the rim
50 or collar D and the explosive charge thereon.

As illustrated in Fig. 5 the shoulder E will abut against the face of the cylinder S in such a way that the devices cannot be projected through the cylinder after the fashion of an ordinary projec-
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tile. Also, the shoulders E when assembled in the cylinder may be engaged with a suitable ejecting mechanism W which will permit of all of the devices being ejected from the cylinder after they have been detonated. Therefore, it will be apparent that the rim or collar portion D serves the desirable function of permitting the devices to be properly engaged with the support for handling while at the same time it will also be possible to effect the ejection of the device from the cylinder or barrel of the gun when desired.

The body of the cartridge may be made in any color to make it realistic and the detonating charge F may also be made in different colors to enhance the appearance and effect of the device.

From the foregoing it will be apparent that the present invention provides novel device simulating a cartridge which is entirely safe because it cannot be projected from the pistol or gun but which will give the user an opportunity to load and re-load a toy firearm after the procedure followed in connection with standard devices.

Without further description it is thought that the features and advantages of the invention will be readily apparent to those skilled in the art, and it will of course be understood that changes

in the form, proportion and minor details of construction may be resorted to, without departing from the spirit of the invention and scope of the appended claims.

I claim:

1. A one piece solid toy device simulating a cartridge including a body having integral shell and bullet simulating portions, an annular rim at the bottom of the shell, and an explosive charge entirely on the outer face of the shell base and constituting the sole explosive charge of the device.

2. A toy device simulating a cartridge including a one-piece solid body having shell and bullet simulating portions, an annular rim at the bottom of the shell, and an explosive charge adhesively applied entirely to the outer face of the shell base and constituting the sole explosive charge of the device.

3. As an article of manufacture, a device simulating a cartridge including a solid wooden body having a shoulder at one end, and an explosive charge entirely on the outer face of the end of the body adjacent said shoulder and constituting the sole explosive charge of the device.

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