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Certification

Welocalize Translations

TRANSLATOR'S DECLARATION:

I, Carl T. Sullivan, hereby declare:

That I possess advanced knowledge of the Korean and English languages. The attached Korean into English translation has been translated by me and to the best of my knowledge and belief, it is a true and accurate translation of:
KR20100004855U - Toy bullets formed of gel or gel material.pdf.

A handwritten signature in black ink, appearing to read "C. T. Sullivan", written over a horizontal line.

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Unexamined Utility Model 20-2010-0004855

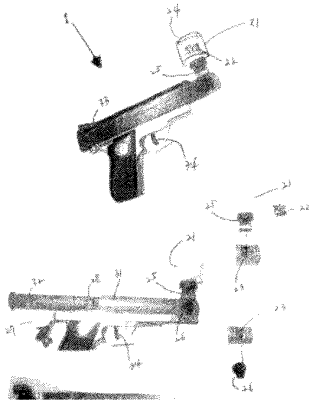
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(54) Toy bullets formed of gel or gel material

(57) Abstract

The present invention is to improve the bullet of a toy gun to prevent injury to the human body; it is configured so that when a barrel is formed upwards in front of a muzzle, the lid of the barrel is opened, a toy bullet formed of gel or gel material is placed inside the barrel, the toy bullet formed of gel or gel material is injected into the firing pin hole through the hole in the bore of the barrel, the piston is pulled backwards, and a trigger is pulled by charging air pressure inside the bullet cylinder, the air pressure inside the bullet cylinder is caused to push and fire the gel or gel bullet in the firing pin hole by a spring and fires it; therefore it is a very safe and useful toy bullet that is safer to use than a bullet of a conventional rigid material structure and does not cause injury to the human body.

Representative Drawing -FIG. 1



Utility Model Claims

Claim 1

A bullet formed from a gel or gel material, wherein with a substance capable of placing a gel or gel material bullet in a barrel equipped with a barrel on the front, in a state in which a gel or gel material bullet is placed inside the barrel (magazine) and a piston is operated to compress air inside the bullet cylinder, a trigger is pulled so that the gel or gel material bullet is fired;
comprising the following:

- a hole formed in the bottom of the inner surface of the barrel;
- a lid formed on the upper portion of the barrel;
- a sight formed on the lower portion of the barrel;
- a firing pin, wherein a hole formed inside the sight, a hole formed in the bottom of the inner surface of the barrel and a hole in front of the bullet cylinder are stove-piped so that a gel or gel material bullet passes through each hole and the gel or gel bullet is loaded into the holes by the piston, and the firing pin is formed inside the holes on the side of the bullet cylinder below the sight;
- a piston and a spring connected to the inside of the rear of the bullet cylinder;
- a cover and a firing pin connecting pipe formed on the outer surface of the piston;
- a spring formed on the outer surface of the firing pin;
- a trigger in which the firing pin is formed on the outer surface of the connector;
- and a firing pin hole formed in the side hole of the bullet cylinder; and
- a gel or gel material bullet is formed and included in the firing pin hole and fired.

Claim 2

The toy bullet formed of gel or gel material according to claim 1,
wherein the gel or gel material toy bullets are made of a cleaning substance.

Claim 3

The toy bullet formed of gel or gel material according to claim 1,
wherein the gel or gel material toy bullets are luminous.

Claim 4

The toy bullet formed of gel or gel material according to claim 1,
wherein the gel or gel material toy bullets take the form of individual packages.

Specification

Detailed Description of the Device

Technical Field

[0001] The present invention is intended to prevent human injury and supply safe substances by gel or gel bullets, wherein a barrel is formed upwards in front of a muzzle, a gel or gel material bullet is placed inside the barrel, a piston and spring are pulled to charge the air pressure inside the bullet cylinder, a trigger is pulled so that the air pressure inside the bullet cylinder advances and pushes the gel or gel material bullet, causing the gel or gel material bullet to fire.

Prior Art

[0002] Conventional bullets are made of hard materials, and some people become disabled therewith, so it is necessary to develop safe gels or gel bullets to improve dangerous bullets and supply bullets that are safe to use.

Details of the Device

Problem to be Solved by the Device

[0003] The object of the present device is to prevent injury to the human body by using bullets formed of gel or gel material when firing toy bullets; by applying a method wherein when a barrel is formed upwards in front of a muzzle, the lid of the barrel is opened, a toy bullet formed of gel or gel material is placed inside the barrel, a piston is pulled to fill the inside of the bullet cylinder with air pressure, a trigger is pulled so that a firing pin connector works and moves a firing pin and the gel or gel material bullet in the firing pin hole generates air pressure inside the bullet cylinder, pushing the gel or gel material bullet so that it is released and fired, it ensures the safety of toy bullets by preventing human injury.

[0004] In order to achieve the above object, the present device is equipped so that, by a means wherein a sight and a barrel are placed through a hole on the front of the bullet cylinder and the lid is opened to insert the gel or gel material bullet into the barrel, a firing pin hole in the firing pin is loaded with a gel or gel material bullet through the hole in the barrel towards the hole in the sight, and the piston and spring attached to the cover are operated so that air pressure is charged inside the bullet cylinder and the gel or gel material bullet is fired.

Means of Solving the Problem

[0005] [A bullet formed from a gel or gel material,] wherein with a substance capable of placing a gel or gel material bullet in a barrel equipped with a barrel on the front, in a state in which a gel or gel material bullet is placed inside the barrel (magazine) and a piston is operated to compress air inside the bullet cylinder, a trigger is pulled so that the gel or gel material bullet is fired; [the following are comprised:]

[0006] a hole formed in the bottom of the inner surface of the barrel;

[0007] a lid formed on the upper portion of the barrel;

[0008] a sight formed on the lower portion of the barrel;

[0009] a firing pin, wherein a hole formed inside the sight, a hole formed in the bottom of the inner surface of the barrel and a hole in front of the bullet cylinder are stove-piped so that a gel or gel material bullet passes through each hole and the gel or gel bullet is loaded into the holes by the piston, and the firing pin is formed inside the holes on the side of the bullet cylinder below the aiming point;

[0010] a piston and a spring connected to the inside of the rear of the bullet cylinder;

[0011] a cover and a firing pin connecting pipe formed on the outer surface of the piston;

[0012] a spring formed on the outer surface of the firing pin;

[0013] a trigger in which the firing pin is formed on the outer surface of the connector;

[0014] and a firing pin hole formed in the side hole of the bullet cylinder; and

a gel or gel material bullet is formed in the firing pin hole and fired.

[0015] The gel or gel material bullet is provided as a cleaning material,

[0016] The gel or gel material bullet is provided as a luminous material,

[0017] The gel or gel material bullet is provided in the form of individual packaging.

Effects

[0018] As described above, with the present device, as a toy gun bullet, when the gel or gel material bullet is fired, the shock is alleviated when it hits the human body, so that by preventing human injury, ensuring clean laundry as a cleaning material and safe toy guns and bullets as safety material, it enables gel or gel material bullets to be safe, and it is possible to obtain the advantages of safety in the manufacture of toy bullets.

Specific Details for Carrying Out the Design

[0019] [A bullet formed from a gel or gel material,] wherein with a substance capable of placing a gel or gel material bullet in a barrel equipped with a barrel on the front, in a state in which a gel or gel material bullet is placed inside the barrel (magazine) and a piston is operated to compress air inside the bullet cylinder, a trigger is pulled so that the gel or gel material bullet is fired; [the following are comprised:]

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[0020] a hole formed in the bottom of the inner surface of the barrel;
[0021] a lid formed on the upper portion of the barrel;
[0022] a sight formed on the lower portion of the barrel;
[0023] a firing pin, wherein a hole formed inside the sight, a hole formed in the bottom of the inner surface of the barrel and a hole in front of the bullet cylinder are stove-piped so that a gel or gel material bullet passes through each hole and the gel or gel bullet is loaded into the holes by the piston, and the firing pin is formed inside the holes on the side of the bullet cylinder below the aiming point;
[0024] a piston and a spring connected to the inside of the rear of the bullet cylinder;
[0025] a cover and a firing pin connecting pipe formed on the outer surface of the piston;
[0026] a spring formed on the outer surface of the firing pin;
[0027] a trigger in which the firing pin is formed on the outer surface of the connector;
[0028] and a firing pin hole formed in the side hole of the bullet cylinder; and
a gel or gel material bullet is formed in the firing pin hole and fired.
[0029] The gel or gel material bullet is provided as a cleaning material,
[0030] The gel or gel material bullet is provided as a luminous material,
[0031] The gel or gel material bullet is provided in the form of individual packaging.
[0032] The operational effects of the present invention configured as described above will be described as follows.
[0033] In such a state, with the pistol trigger firing pin, when the trigger is pulled, through the spring, the air pressure stored inside the bullet cylinder pushes the piston forward, and as the air pressure inside the bullet cylinder is applied by the advance of the spring and piston, the gel or gel material bullet in the firing pin hole is released and fired forward.
[0034] Further, gel or gel material bullets prevent injuries by mitigating shock when they hit the human body, clean laundry without leaving marks on clothes as a cleaning material, and they function as safe toys using safe materials.

Brief Description of the Drawing

[0035] FIG. 1 is a perspective view showing the coupled state and separation of the present invention.

[0036] *Description of reference numerals for main parts of the drawing*

[0037] 1: gun (toy gun)	21: Barrel (magazine)
[0038] 22: Gel or gel material bullet	23: Hole
[0039] 24: Lid	25: Sight
[0040] 26: Firing pin	27: Firing pin connector
[0041] 28: Spring	31: Bullet cylinder
[0042] 32: Piston	33: Cover
[0043] 34: Trigger	

Drawing
FIG. 1

