March 21, 1933. F. B. KEYSTON 1,902,708

TOY PISTOL

Filed Feb. 15, 1932

Fig. 1.

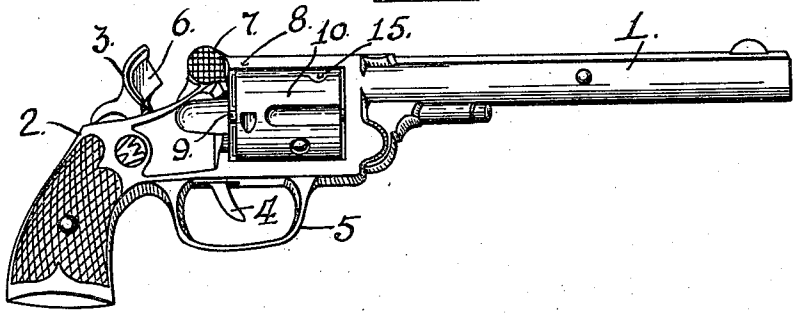
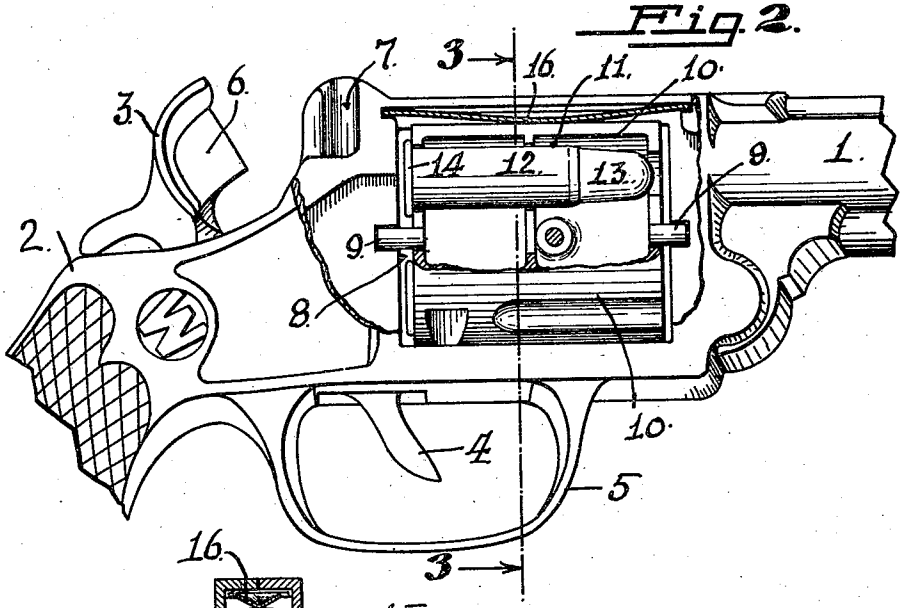


Fig. 2.



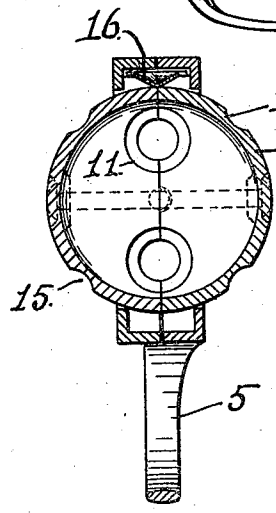


Fig. 3.

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UNITED STATES PATENT OFFICE

FREDERICK B. KEYSTON, OF SAN MATEO, CALIFORNIA, ASSIGNOR TO KEYSTON BROS., OF SAN FRANCISCO, CALIFORNIA, A CORPORATION OF CALIFORNIA

TOY PISTOL

Application filed February 15, 1932. Serial No. 592,901.

My invention relates to toy pistols. It has for its object increase of interest due to its greater likeness to a real weapon, while still preserving its innocent function.

Briefly stated, my invention consists in a structure of the revolver type comprising a stock having a paper-cap seat; a coacting hammer and trigger assembly carried by said stock; a barrel extending forwardly from the stock; and a rotatable chambered cylinder mounted in the breech of the weapon between the rear end of the barrel bore and the paper cap seat.

In the accompanying drawing I have shown the pistol in its preferred form, but it is to be understood that changes may be made in its construction and arrangement without departing from the spirit of the invention as defined in the claims hereunto appended.

In the drawing

Fig. 1 is a side elevation of my toy pistol.

Fig. 2 is a side view, enlarged and broken.

Fig. 3 is a section on the line 3—3 of Fig. 2.

In manufacturing practise the frame of the pistol is best made as a casting. It has a barrel 1 and a stock 2. The stock is fitted with a hammer 3 and a trigger 4 with guard 5. Suitable trip mechanism, unnecessary herein to show, within the stock associates the hammer and trigger in their usual functional operation, and said hammer has its face provided with a percussion block 6 for delivering a blow upon a paper cap to be placed in a seat 7 formed in the upper side of the stock, said seat being a recess closed in front but open in back in order to expose the cap to the blow of the hammer.

In toy pistols using paper caps, it is common to bulge or swell laterally the sides of the stock into some resemblance to the cylinder of a revolver, but this expedient is crude and reveals its true character to the most casual observation.

In my pistol, there is a lateral opening or aperture 8 through the breech of the weapon, and in this opening is fitted for rotation about an axis 9 parallel with the barrel axis, a cylinder 10 with chambers 11 for shells 12, which are intended to be dummies, but having the appearance of true cartridges with bullets 13 in front and flanges 14 in rear, but with no explosive charge. The cylinder is in advance and independent of the paper-cap seat 7 so that it lies beyond the limit of the hammer stroke and has no communication with the cap seat. There is thus a close verisimilitude between this toy and a real revolver; but this is apparent only, since it is to be noted that there is no percussive relation of hammer and shell and no connection whatever between the cylinder 10 and the hammer and trigger mechanism which alone could make the cylinder functionally revoluble, but said cylinder is independently freely rotatable and is for this reason likely to furnish interest in manually turning it to expose its dummy shells to better advantage. Moreover, such interest may be decidedly enhanced by making in the peripheral surface of the cylinder an annular series of recesses 15 which slippingly engage an overlying detent as for example a spring 16, with a clicking sound.

It will be noted that by guarding against any effect of the hammer blow other than that of exploding the paper cap and by also guarding against any effect of the cap explosion upon a possible real cartridge, the piston herein described is still an innocent toy, even though its owner should possess himself of such a shell and place it in the chambered cylinder instead of a dummy shell.

I claim:—

1. A toy pistol of the revolver type comprising a body having a stock and a paper cap seat; a hammer and trigger assembly carried by the stock and associated for tripping function; a barrel extending from the body; a chambered cylinder revolubly mounted in the body between the cap seat and the barrel, said cylinder having a plurality of exterior recesses; and a spring mounted in the body above said cylinder for resiliently engaging said recesses when the cylinder is revolved.

2. A toy pistol of the revolver type comprising a body having a stock and a paper cap seat; a hammer and trigger assembly car-

ried by the stock and associated for tripping function; a barrel extending from the body; a chambered cylinder revolubly mounted in the body between the cap seat and the barrel, said cylinder having a plurality of exterior recesses; and a longitudinally disposed spring held by its ends in the body above said cylinder, the central portion of said spring being deflected downwardly to engage said recesses.

3. In a toy pistol, the combination of a frame having a handle portion, a barrel and an aperture disposed therebetween, a cap seat in said frame spaced rearwardly from said aperture, a trigger actuated hammer mounted in said frame for cooperation with said cap seat, and a cartridge receiving cylinder mounted in said aperture for rotation relative to the frame and adapted to receive blank cartridges, whereby said hammer may be actuated to and from said cap seat out of contact with and spaced from the cartridges in said cylinder.

4. In a toy pistol, the combination of a frame having a handle portion, a barrel and an aperture disposed therebetween, an imperforate cap seat in said frame spaced rearwardly from and out of communication with said aperture, a trigger actuated hammer mounted in said frame for cooperation with said cap seat, a cartridge receiving cylinder mounted in said aperture for axial rotation relative to the frame and adapted to receive blank cartridges, and spring means carried by said frame adjacent said aperture for yieldingly maintaining the cylinder against rotation, whereby said hammer may be actuated to and from said cap seat out of contact with and spaced from the cartridges in said cylinder.

In testimony whereof I have signed my name to this specification.

FREDERICK B. KEYSTON.