Jan. 12, 1954 E. L. MOBLEY, JR 2,665,676

COMBINED SMOKE SIMULATING AND POPGUN

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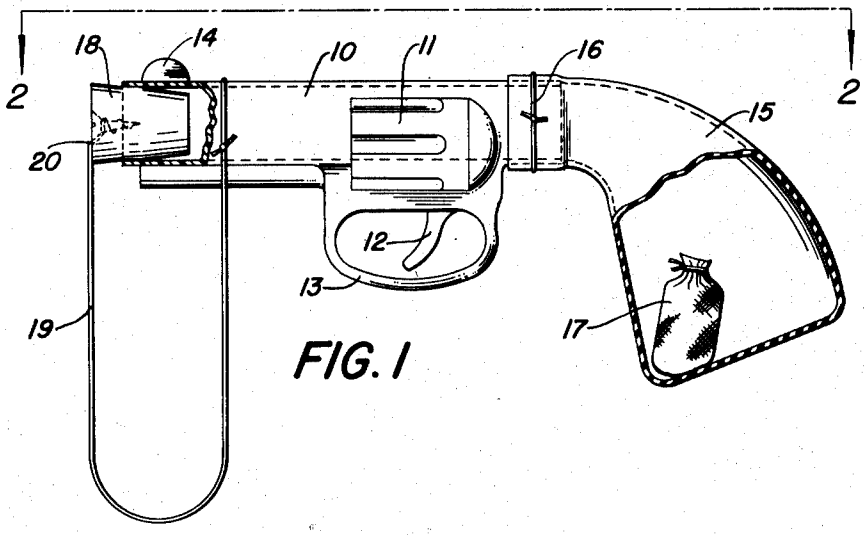


FIG. 1

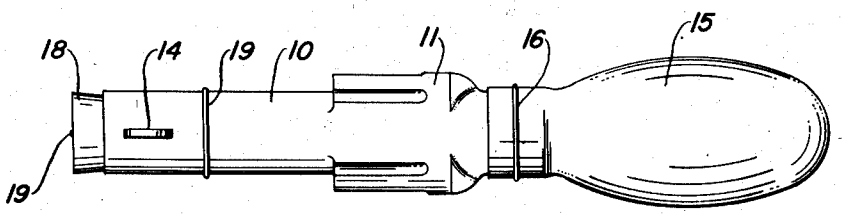


FIG. 2

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COMBINED SMOKE SIMULATING AND POPGUN

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2 Claims. (Cl. 124—11)

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This invention relates to toy guns and the like, and more particularly to guns which discharge a plug, such as a cork, and at the same time simulate the emission of smoke from the forward end of the barrel.

Toy guns have been provided heretofore which discharge a cork or other plug with the usual "pop," while others have been provided which emit simulated smoke, sometimes accompanied with a "clicking" or similar noise. One of the objects of this invention is to provide a toy gun which discharges a plug from the forward end of the barrel with the customary "pop" and simultaneously emits a small cloud of powder or similar material from the forward end of the barrel, thus simulating the passage of smoke from the barrel.

Another object is to provide novel means for discharging the plug in the form of a bulbous handgrip directly connected to the rear end of a tubular barrel which is adapted to receive a dischargeable plug in its front end, whereby the plug may be discharged by merely squeezing the bulbous handgrip.

A further object is to locate in the bulbous handgrip a bag of relatively coarse mesh containing talcum powder or other similar material whereby when the bulbous handgrip is squeezed to discharge the plug, the powder bag may also be pressed to force a small amount of the powder from the bag, which loose powder will then be forced by the air discharging the plug, to pass out the front end of the barrel as a small cloud that simulates smoke.

Other objects and advantages will become apparent from the following description taken in conjunction with the accompanying drawing.

In the drawing:

Fig. 1 is a side elevation of a toy gun embodying the invention with parts broken away and sectioned for clarity, and

Fig. 2 is a plan view of same looking in the direction indicated substantially by the line 2—2 of Fig. 1.

Referring to the drawing the numeral 10 designates a hollow gun barrel formed of metal, plastic, or other suitable material, having a preferably integral, false cylinder portion 11, trigger 12 and trigger guard 13, adjacent its rear end. Adjacent its front end, the barrel is provided on its upper surface with an integral front sight 14.

The rear end portion of barrel 10 receives on its outer surface, the mouth of a bulbous handgrip 15, which may be held in place thereon by an elastic or similar band 16. The handgrip 15

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may be formed of latex, rubber, or other suitable material of a consistency somewhat greater than balloon stock, so that it will be filled out by air under atmospheric pressure when not in use, and yet will be elastic enough to return to its original shape after being squeezed.

A small bag 17 of relatively coarse mesh containing talcum powder or other suitable material is placed inside the handgrip 15. The bag 17 is preferably of a size that will readily pass through the barrel 10 and into the handgrip 15, so that powder bag replacements may be made as the powder therein is used up.

The front end of barrel 10 is adapted to receive a tapered plug 18, such as a cork, having one end of a tethering line 19 secured thereto as at 20, while the opposite end of the line is secured around the barrel 10 rearwardly of the front sight 14. The tethering line may be omitted if so desired.

After the barrel 10 and handgrip 15 have been assembled, with a powder bag in the handgrip 15, the plug 18 is inserted into the front end of the barrel a sufficient distance to seal off the air chamber which is formed in the barrel and handgrip. Now, by merely squeezing the bulbous handgrip 15 in one hand, the air therein and in the barrel 10 is compressed and soon provides a force sufficient to cause the plug 18 to be discharged with a plainly audible "pop" sound. As the handgrip 15 is being squeezed the powder bag 17 will also be squeezed enough to force some of the powdery material through the mesh of the bag, and the force which discharges the plug will also cause some of this loose powder to be emitted as a small cloud through the forward end of the barrel, thus simulating smoke. The smoke-like effect can also be obtained by sprinkling some loose powder down the barrel and into the handgrip, so that it will be emitted as the plug is discharged, but it is preferred to employ the bag since less powder is likely to find its way into the user's pocket, in the event the gun is placed in the pocket.

It is believed to be apparent that the invention provides a toy gun that is simple in construction, requires a minimum of parts, and is effective to quickly discharge a plug with a "pop" sound and at the same time simulate the emission of smoke at the forward end of the barrel, merely by squeezing on the bulbous handgrip.

While I have shown and described the preferred form of the invention, it is obvious that modifications and changes may be made therein

without departing from the spirit of the invention or from the scope of the subjoined claims.

What is claimed is:

1. A toy gun comprising a tubular barrel, a dischargeable plug inserted in the forward end of said barrel, a rubber-like hollow handgrip secured to the rear end of said barrel so as to form a chamber co-extensive with the length of said barrel and said handgrip, and a compressible bag of relatively coarse mesh containing powdery material carried in said handgrip, said plug and a portion of said powdery material being simultaneously dischargeable from said barrel by compressed air in said chamber produced by compressing said handgrip and said bag.

2. A toy gun comprising a tubular barrel, a latex bulbous handgrip secured at the rear end of the barrel in a manner to provide a chamber co-extensive with the length of the barrel and the handgrip, a porous bag of powdery material carried in said handgrip and from which loose powder may be forced by compressing the bag, and a dischargeable plug inserted in the forward

end of said barrel so as to seal said chamber, said plug and a portion of said loose powder being simultaneously dischargeable from the forward end of said barrel by compressed air in said chamber produced by compressing said handgrip and said bag, whereby upon discharge of said plug a "pop" sound is produced with simulated smoke being emitted from the forward end of said barrel.

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