

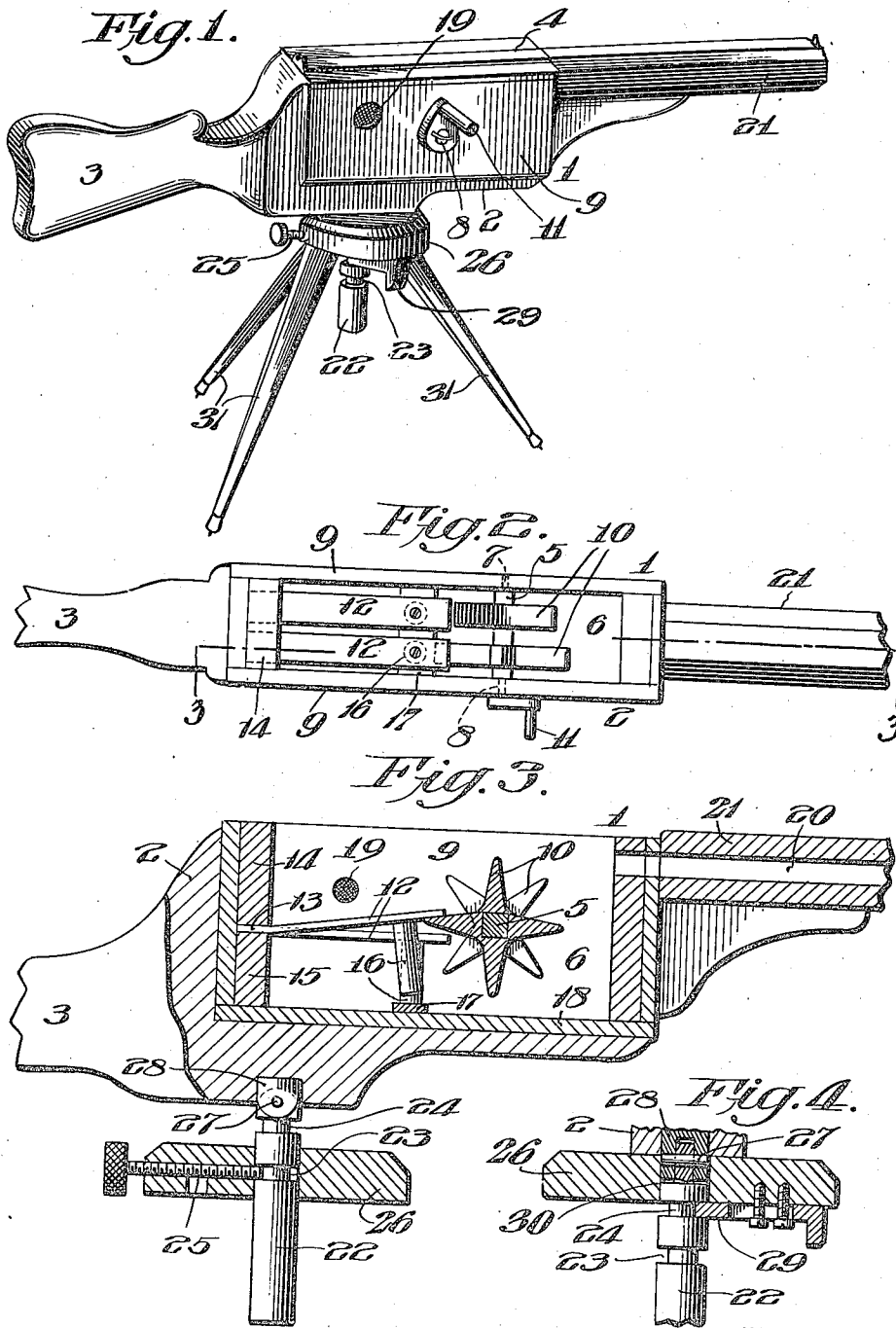
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RAPID FIRE TOY MACHINE GUN

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FIGORE IADAROLA, OF PHILADELPHIA, PENNSYLVANIA.

RAPID-FIRE TOY MACHINE GUN.

Application filed September 18, 1922. Serial No. 589,006.

To all whom it may concern:

Be it known that I, FIGORE IADAROLA, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Rapid-Fire Toy Machine Gun, of which the following is a specification.

My invention consists of a novel rapid fire toy machine gun adapted for the amusement and entertainment of children and comprises a body portion having a breech simulating the contour of a machine gun and adjustably mounted upon a tripod, said body portion being provided with a sounding chamber in which is received the sound producing mechanism comprising one or more star shaped wheels mounted upon a rotatable shaft which is turned by a crank handle located exterior to the gun body, said star shaped wheels each alternately elevating a resilient strip having a hammering part adapted to impact on its downward movement against a sounding strip carried within the gun body, there being two of the actuating wheels preferably employed, from which rapid repeating sounds may be reproduced simulating the detonations of a rapid fire machine gun or the sound of a drum.

It further consists of a novel construction of a resonant chamber in which the sound reproducing mechanisms are positioned having sound exit ports in the sides and front of the gun for the emission of the reproduced sounds.

It further consists of other novel features of construction and advantage all as will be hereinafter fully set forth.

For the purpose of illustrating my invention, I have shown in the accompanying drawings forms thereof which are at present preferred by me, since they will give in practice satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of these instrumentalities as herein shown and described.

Figure 1 represents a perspective view of a rapid fire toy machine gun, embodying my invention.

Figure 2 represents a plan view of Fig-

ure 1 with the cover or top thereof removed.

Figure 3 represents a section on line 3—3 of Figure 2.

Figure 4 represents a side elevation of the bottom post or standard upon which the gun is secured, showing also the locking means therefor, viewed from a different angle from that seen in Figure 3.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings.

1 designates my novel construction of rapid fire toy machine gun, the same comprising a body portion 2 having the breech 3, said body portion being provided with the removable top 4 which is shown in position in Figure 1, and as removed in Figures 2 and 3.

5 designates a shaft which extends transversely through the sounding chamber 6 and rotates on the bearings 7 and 8 in the side walls 9 of the chamber 6. The shaft 5 may be round or square, as seen in the present instance and upon it is mounted the two star shaped wheels 10 which are alike and whose construction and contour will be readily understood from Figure 3, it being apparent that the apices of the star wheels are preferably arranged in staggered order as will be understood from Figure 3.

The bearing or trunnion 8 has a crank handle 11 applied or fastened thereto, so that as the handle 11 is rotated the shaft 5 and the pair of star shaped wheels 10 will be rapidly rotated.

12 designates a pair of resilient strips whose rear ends as at 13 are secured between the upper and lower blocks 14 and 15, in the rear of the chamber 6, the free ends of said strips 12 being adapted to be alternately raised by the star shaped wheels 10 and being provided on their undersides with the pendant hammers which are adapted to impact alternately upon the transverse sounding strip 17 which is secured to the base 18 of the sounding chamber 6.

It will be apparent that as the handle 11, shaft 5 and star shaped wheels 10 are rapidly rotated the resilient strips 12 with their pendant hammers 16 will be alternately raised and owing to the resiliency of the strips 12, the bottoms of said hammers will impact in rapid succession upon the sound-

ing strip 17 thereby causing a noise or succession of snapping sounds like the detonations of a rapid fire machine gun of the conventional or standard type, the sound reproductions, being, however, somewhat softened so as not to be disagreeable, by reason of the sounds being reproduced in the sounding chamber 6, the sounds being emitted from the ports 19 and through the bore 20 of the gun barrel 21. The ports 19 are preferably closed by wire gauze or the like, so that children cannot insert their fingers therein.

In order that the gun may be rotated or pointed up and down in a manner simulating a full sized machine gun, I provide the post 32 which has the grooves 23 and 24 therein which are adapted to be engaged by the threaded stem 25 in the head 26, the upper end of said post being pivoted as indicated at 27 in the ears of the block 28 carried by the gun body 2.

When the parts are in the position seen in Figure 4, the pivotal connection is positioned in the hole 30 through the head 26, and the sliding bolt 29 being in engagement with the groove 24, holds the parts immovably with respect to the tripod 31.

The head or disc 26 is secured fast to the tripod 31. It will be understood that the cover 4 being of wood is resonant and augments the sound produced in the sounding chamber 6.

My novel device can be cheaply constructed for the most part out of wood, if desired, although, of course, certain of the parts may be made of metal, but I have found that by the use of wooden elements the sounds reproduced will clearly simulate the detonation of a standard gun and afford much amusement and enjoyment to children.

When the parts are in the position seen in Figure 3, the post 22 is locked by the screw 25, and the gun can be pointed up or down. When the parts are in the position seen in Figure 4, the gun body 2 is locked with respect to the tripod and its adjuncts.

While I have shown and described two resilient strips and two star wheels for actuating said strips, I do not confine myself to any specific number since one or more can obviously be used, and the construction of the star wheels may be varied. I preferably, however, employ the two star wheels shown with their points arranged in staggered order so that a rapid succession of the snapping noises or simulation of detonations may occur.

A toy embodying my invention will afford

considerable amusement to children owing to the possibility of imitating a standard rapid fire gun as is evident.

It will be apparent that I have devised a novel and useful rapid fire toy machine gun which embodies the features of advantage enumerated as desirable in the statement of the invention and the above description, and while, I have in the present instance, shown and described a preferred embodiment thereof which will give in practice satisfactory and reliable results, it is to be understood that the same is susceptible of modification in various particulars without departing from the spirit or scope of the invention or sacrificing any of its advantages.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is:—

1. In a rapid fire toy machine gun, a gun body, a sounding chamber therein, a shaft extending transversely therethrough, a plurality of star wheels having their points arranged in staggered order, a plurality of resilient strips having their rear ends fixed and their free ends adapted to be raised by the rotation of said star wheels, upper and lower aligning blocks for securing the fixed ends of said strips immovably in position, pendant hammers on the free ends of said strips, a transverse sounding strip on the bottom of said chamber and adapted to be impacted upon by the bottoms of said hammers, and sound exits at the side and front of said sounding chamber.

2. In a rapid fire toy machine gun, a gun body, a sounding chamber therein, a shaft extending transversely therethrough, a plurality of star wheels in said shaft having their points arranged in staggered order, a plurality of resilient strips having their rear ends fixed and their free ends adapted to be raised by the rotation of said star wheels, pendant hammers on the free ends of said strips, a transverse sounding strip on the bottom of said chamber and adapted to be impacted upon by the bottoms of said hammers, upper and lower aligning blocks for securing the fixed ends of said strips in position, said fixed ends being secured between the contiguous ends of said blocks at points above the bottom of said sounding chamber, and a resonant top for said sounding chamber.

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Witnesses:

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