

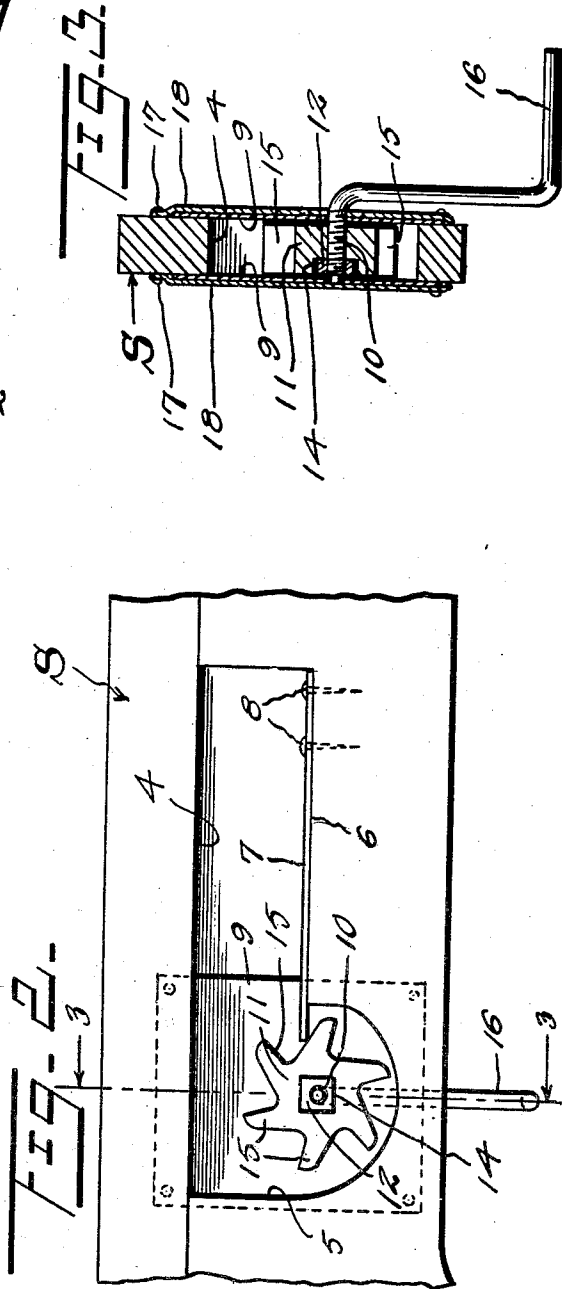
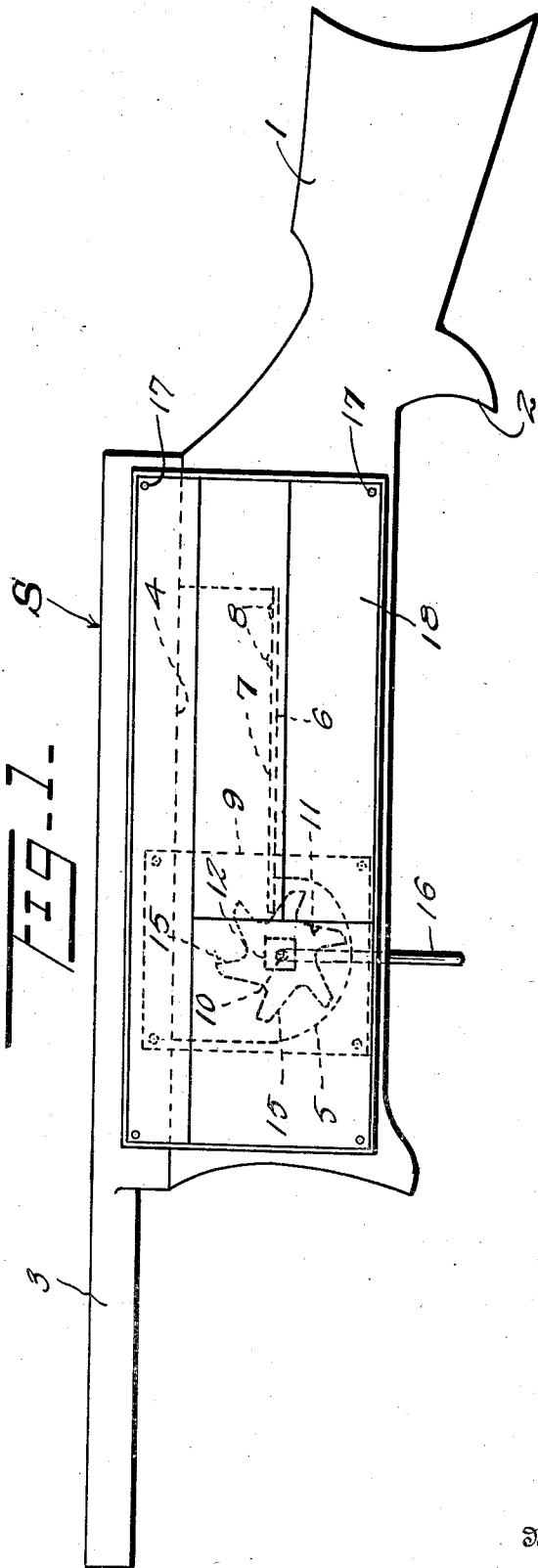
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TOY GUN

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## TOY GUN

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2 Claims. (Cl. 46—46)

This invention relates to toy guns, and it is an object of the invention to provide a device of this kind constructed in a manner whereby it may be operated in imitation of a machine gun and wherein the stock or body portion of the gun is formed or constructed in a manner whereby the device may be employed to advantage for the purpose of displaying advertisements.

The invention consists in the details of construction and in the combination and arrangement of the several parts of our improved toy gun whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of our invention will hereinafter be definitely claimed.

In order that our invention may be the better understood, we will now proceed to describe the same with reference to the accompanying drawing, wherein:—

Figure 1 is a view in side elevation of a toy gun constructed in accordance with an embodiment of our invention certain of the parts being indicated by broken lines;

Figure 2 is a fragmentary view in elevation of the device as illustrated in Figure 1 with the side plates removed;

Figure 3 is a sectional view taken substantially on the line 3—3 of Figure 1 looking in the direction of the arrows with the operating member in elevation.

As disclosed in the accompanying drawing, S denotes a stock or body member of desired length and of considerable width. One end portion of the stock or member S at its lower corner is provided with an extension in imitation of a shoulder butt 1 and a trigger 2 while the forward end of the stock or body member S at its upper part is provided with a section 3 in simulation of a gun barrel.

In its upper portion the stock or body member S is provided therealong with a relatively large slot 4 having one end portion downwardly extending, as indicated at 5. The bottom wall 6 of the slot 4 has superimposed thereon a percussion spring strip or plate 7. One end portion of this strip or plate 7 is anchored or secured, as at 8, to the rear end portion of the wall 6 with the opposite or forward end portion of the strip 7 extending within the enlarged portion 5 of the slot 4.

To the opposite side faces of the stock or body member S are secured the rigid plates 9 prefer-

ably of sheet metal which extend across the enlarged end portion 5 of the slot 4 and which plates provide a mounting for the shaft 10 and also act to join the barrel to the stock. As herein disclosed, this shaft 10 is substantially coplanar with the face 6 of the slot 4 and is directed through a toothed member 11. This member 11 is held for rotation with the shaft 10 by an angular nut 12 threaded upon the shaft 10 and fitting within a recess 14 provided in a side face of the toothed wheel 11.

The teeth 15 of the wheel 11 are equidistantly spaced therearound and are of a ratchet type so that the shaft and wheel can only be rotated in one direction under the control of the spring strip or plate 7. However, as the shaft 10 together with the wheel 11 thereon is rotated the teeth 15 will engage from below the projected end portion of the spring strip or plate 7 to lift it away from the face 6 of the slot 4 and allow said strip or plate 7 as it passes from a tooth to spring down and forcibly strike the surface 6 making a report in simulation of gun fire. The rapidity of these sounds will of course depend upon the speed with which the shaft 10 and wheel 11 are rotated. As herein disclosed the shaft 10 is extended to one side of the stock or body S to provide an operating handle 16.

The side faces of the stock or body member S are adapted to have suitably secured thereto, as at 17, the side plates 18 which may be of heavy cardboard or any other desired material and upon which suitable advertising matter or the like is adapted to be arranged. These plates 18 when applied entirely close the slot 4 and the various elements therein. It will be seen that the body of this toy gun is simply formed of two sections or pieces of material, namely, the stock or body 1 and the barrel portion 3 which rests upon the upper edge of the stock or body and closes the top of the slot 4 when in place. The barrel section and the body section are held together by means of the plates 9 and also by means of the plates 18 in case these are used. This permits ready access to the ratchet wheel 11 in case the ratchet wheel should need to be renewed or for any other reason. At the same time the mechanism which causes the percussive sounds is entirely concealed.

From the foregoing description it is thought to be obvious that a toy gun constructed in accordance with our invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that our in-

vention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason we do not wish to be understood as limiting ourselves to the precise arrangement and formation of the several parts herein shown in carrying out our invention in practice except as hereinafter claimed.

We claim:—

1. A toy gun comprising a body having a butt, the body forward of the butt being formed with a longitudinally extending recess opening upon the upper surface of the body and extending transversely entirely through the body, the forward end of the recess being downwardly enlarged, a barrel section disposed upon the upper face of the body extending to the rear end thereof and closing the upper portion of said recess, plates holding the barrel section to the body extending entirely over and entirely closing the side openings of said recess, a spring strip mounted upon the lower wall of the recess and having an end portion extending into said enlarged portion of the recess, and a toothed wheel within the enlarged portion of the recess having a shaft extending out through the side of the body and provided with a crank, the end portion of the strip engaging the teeth of said wheel whereby

upon rotation of the wheel the strip is caused to intermittently strike the wall of the slot to which the strip is attached.

2. A toy gun comprising a body having a butt, the body forward of the butt being formed with a longitudinally extending recess opening upon the upper face of the body and extending transversely of the body and opening upon the side faces thereof, the forward end of the recess being downwardly extended, a barrel section disposed on the upper edge face of the body and extending the full length thereof and closing the upper end of the recess, a spring mounted upon the lower wall of the recess and extending into said enlarged portion, opposed plates attached to the outer faces of the body and closing the enlarged portion of the recess on each side and connecting the barrel to the body, a crank shaft extending through one of said plates, a bore formed in the opposite plate to receive the end of the crank shaft, a ratchet wheel mounted upon said crank shaft for co-action with the spring, and detachable plates disposed on each side of the body extending over the first named plates and over the rear portion of said recess.

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