

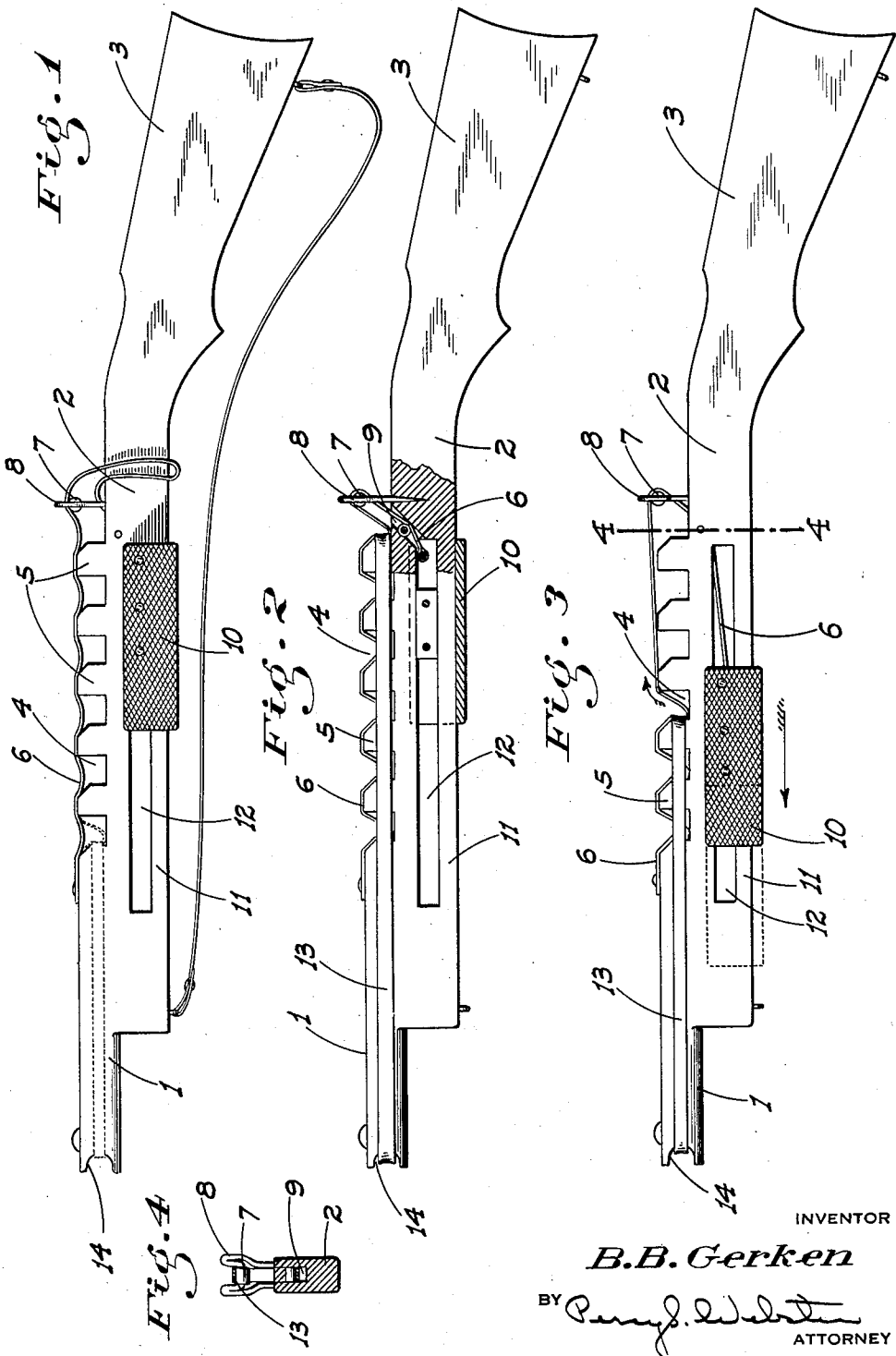
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TOY GUN

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INVENTOR

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## UNITED STATES PATENT OFFICE

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## TOY GUN

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This invention relates to toy guns of that type using rubber bands as missiles; my principal object being to provide a gun of this character designed in simulation of an actual rifle or shotgun and arranged to support a plurality of bands at one time, which bands are discharged by the movement of a control member in a manner similar to the manipulation of the ejector arm of a repeating rifle. The operation of my toy gun therefore imitates to a reasonably close degree the operation of an actual repeating firearm.

A further object of the invention is to provide a simple and inexpensive device, and yet one which will be exceedingly effective for the purpose for which it is designed.

These objects I accomplish by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claims.

In the drawings similar characters of reference indicate corresponding parts in the several views:

Fig. 1 is a side elevation of the unloaded gun.

Fig. 2 is a similar view, partly in section, showing the gun as fully loaded.

Fig. 3 is a similar view of the gun with the operating member in the position occupied after certain ones of the bands have been discharged.

Fig. 4 is a cross-section on the line 4-4 of Fig. 3.

Referring now more particularly to the characters of reference on the drawings, the gun is preferably made of a single flat piece of wood shaped to the general proportions of an actual rifle and so as to have a barrel 1, a stock 2, and a butt 3. Cut in the upper edge of the barrel some distance from its front end is a row of longitudinally spaced notches 4, leaving the lugs 5 therebetween, the upper portions of whose rear faces are preferably cut on a bevel as shown. Secured at its forward end on top of the barrel a short distance ahead of the foremost notch is a flexible but nonelastic strap 6. This strap extends thence across the row of

notches and about a roller 7 mounted in a crotch 8. This crotch projects upwardly from the gun on the stock portion 2 in simulation of a rear sight. The strap then extends downwardly and through a forwardly sloping passage 9 in the stock to a connection with an operating block 10.

This operating block is positioned similar to the ejector arm of an actual repeating rifle. It is therefore mounted for movement lengthwise of and parallel to the barrel in connection with a guide bar 11 formed with and below the barrel and which with the adjacent edge of the barrel forms a longitudinal slot 12 with which the passage 9 communicates. The length of the strap relative to the length of the slot is such that when the strap is flexed to follow the contour of all the lugs and notches, the block 10 will then be at the rearmost end of its slot or guide; and when the strap is taut between its forward end and the roller 7, the member 10 will then be at the forward end of the slot.

In operation to load the gun the rubber bands 13 to be used are engaged one at a time with a notch 14 cut in the front end of the barrel. The band first placed is then stretched so as to extend to the foremost notch 4 and over the adjacent end of the strap 6. The stretched band is then depressed into said notch so that the adjacent portion of the strap 6 is also depressed into the notch and will be clamped between the band and the front wall of the notch. The next band is placed over the first band and is stretched so as to engage and be similarly held in connection with the second notch. By the time all the bands have been thus loaded all the slack in the strap 6 will be taken up, and the operating block 10 will be positioned at the rear end of the slot 12.

A forward movement of the block along the slot pulls on the adjacent end of the strap 6 and the top portion of the latter of course tends to straighten out. Since the least resistance to such straightening is afforded by the rearmost band, the latter will be raised from the corresponding notch and being released will fly off into space. Sim-

ilarly a further advance of the block 10 to further straighten out the strap 6 will release the next band and so on in succession until all the bands are finally released. The member 10 will then be at the front end of the slot 12, and when it is desired to reload the gun it is only necessary to shift said member to the rear end of the slot in order to give the strap 6 the necessary slack for loading purposes as previously described.

From the foregoing description it will be readily seen that I have produced such a device as substantially fulfills the objects of the invention as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations from such detail may be resorted to as do not form a departure from the spirit of the invention, as defined by the appended claims.

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

1. A toy gun comprising a rigid body formed in simulation of a firearm, said body intermediate its ends having a row of notches in its upper edge forming lugs therebetween to each engage and hold one end of a stretched band whose opposite end is engaged with the front end of the body, a flexible strap secured at one end on the body and adapted to be depressed into the notches and held against the adjacent walls of the lugs by the stretched bands and a control member slidably mounted in connection with the body and to which the opposite end of the strap is secured.

2. A toy gun comprising a rigid body formed in simulation of a firearm, said body intermediate its ends having a row of notches in its upper edge forming lugs therebetween to each engage and hold one end of a stretched band whose opposite end is engaged with the front end of the body, a flexible strap secured at its forward end onto the body ahead of the foremost notch and adapted to be passed over the lugs and depressed into the notches and held against the adjacent wall of the lugs by the stretched bands, a control member slidably mounted in connection with and under the body for movement lengthwise thereof, the rear end of the strap being connected to the rear end of said member; and a direction changing element over which the strap passes between the rearmost notch and its connection with the member whereby the rear end of the strap extends in a forwardly facing direction.

In testimony whereof I affix my signature.  
BERT B. GERKEN.