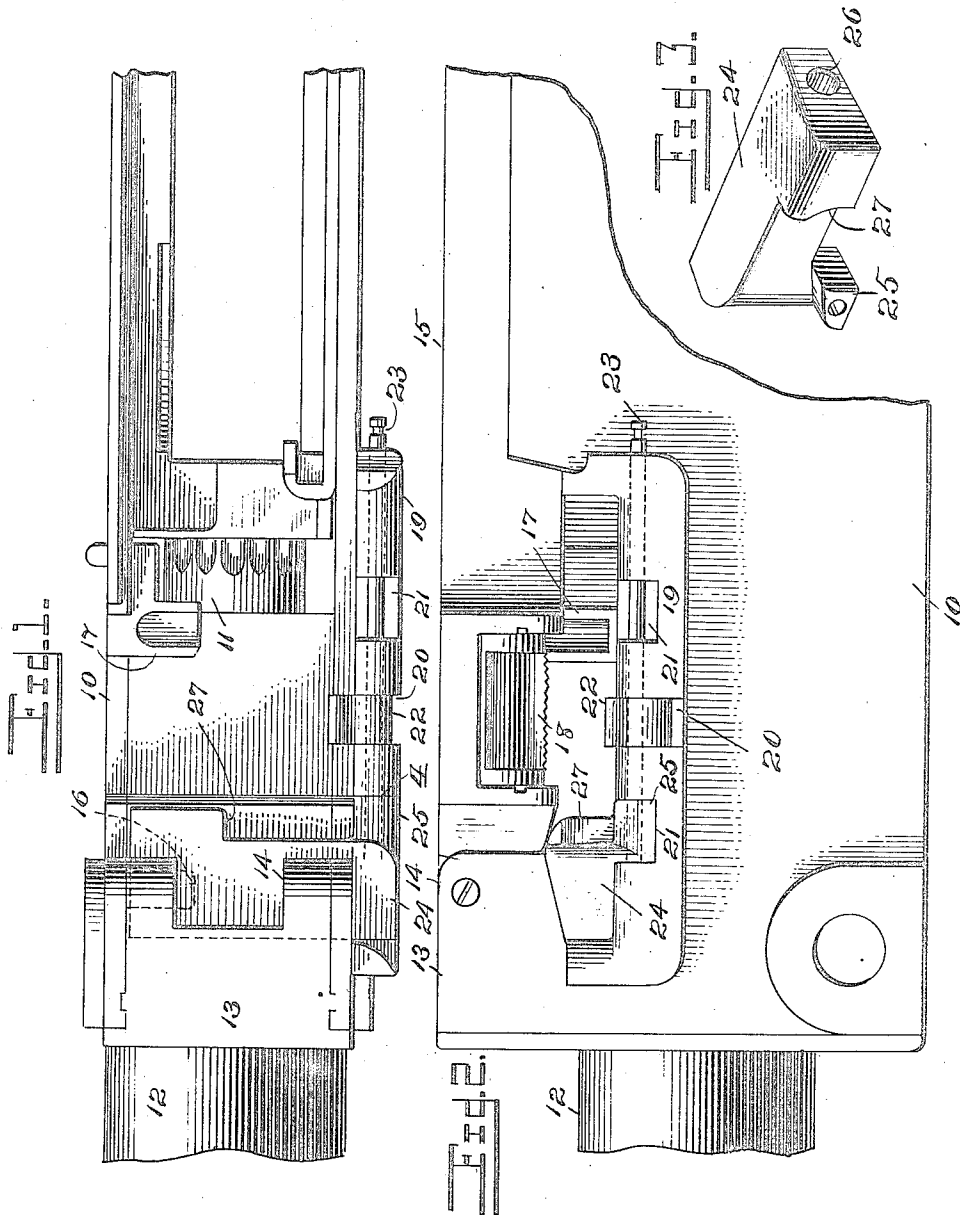


S. G. GREEN.
ATTACHMENT FOR PREVENTING THE FEEDING OF BALL CARTRIDGES TO A GUN.
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1,354,825.

Patented Oct. 5, 1920.



Inventor
Samuel G. Green.

UNITED STATES PATENT OFFICE.

SAMUEL G. GREEN, OF THE UNITED STATES ARMY.

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To all whom it may concern:

Be it known that I, SAMUEL G. GREEN, of the United States Army, a citizen of the United States, stationed at Washington, D. C., have invented an Improvement in Attachments for Preventing the Feeding of Ball Cartridges to a Gun, of which the following is a specification.

The invention described herein may be used by the Government, or any of its officers or employees in prosecution of work for the Government, or by any other person in the United States, without payment of any royalty thereon.

This invention relates generally to a machine gun wherein ammunition is fed automatically to the gun, and, more specifically, to an attachment for preventing the feeding of ball cartridges to the gun, the said attachment also forming a forward stop for blank cartridges.

A device of this character is desirable and useful to permit the use of blank cartridges during maneuvers and for saluting purposes and it renders the chances of an accident due to the feeding of a ball cartridge to the gun extremely remote.

With the foregoing objects in view, the invention resides in the novel arrangement and combination of parts hereinafter described, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed without departing from the spirit of the invention.

A practical embodiment of the invention is shown in the accompanying drawing, wherein:—

Figure 1 is a fragmentary plan view of a lock-frame and barrel-extension of a machine-gun, the cover removed and the bolt withdrawn, the attachment constructed in accordance with the invention shown in place therein;

Fig. 2 is a side elevation of the same, the cover in place and closed;

Fig. 3 is a perspective of the attachment or cartridge stop.

Referring to the drawings by numerals of reference:—

The usual barrel extension, 10, is provided, which is bored to receive the barrel, 11, with a sliding fit so that the barrel may reciprocate therein. A cooling jacket, 12, is suitably secured to the forward end of the barrel extension and encases the forwardly

projecting portion of the barrel, 11. The barrel extension is formed at its forward end with an upstanding portion, 13, cut away to provide ears, 14, to which the cover, 15, may be pivotally connected or hinged.

A front cartridge stop, 16, is provided on the barrel extension and consists of an inwardly projecting pin, as seen most clearly in dotted lines in Fig. 1. A rear cartridge stop, 17, is also formed on the extension and is slotted to permit the passage of the trigger (not shown) of the belt-feeding-pawl, 18, which is connected to the cover, 15.

A belt holding pawl bracket, 19, is formed on one side of the barrel extension and this bracket is notched or apertured, as at 20 and 21, the notch, 20, forming a space for the reception of a belt holding pawl, 22, which is retained in place by the split pin, 23, inserted in a bore extending longitudinally of the bracket.

For the purpose of carrying out the objects of the present invention any means may be resorted to for automatically stopping a ball cartridge from being fed to the gun. The means herein illustrated consisting in a formed block, 24, provided with a laterally extending lug, 25, which is adapted to enter the forward notch or aperture, 21, and this lug is bored to receive the split pin, 23, by which it is held in place. The block, 24, is provided with a recess or socket, 26, in that end remote from the end at which the lug, 25, is formed and this socket is adapted to receive the front cartridge stop, 16, to retain the block in place in the barrel extension. The block, 24, is formed at its rear face with an extending shoulder, 27, which serves to engage the forward end of a blank cartridge and stop the same in proper position to be grasped by the extractor (not shown).

In practice the belt is fed through the gun with the usual step by step movement under the action of the belt feeding pawl, the movement of the belt being limited by the movement of the pawl and the forward stop shoulder, 27, and usual rear stop, 17. Should a ball cartridge be present in the belt by accident or otherwise, the same could not be fed into the gun but would be stopped by the ball coming in contact with the rear end face of the block, 24.

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

1. The combination with a machine gun including ammunition feeding mechanism, of means connected to the gun to prevent feeding of ball ammunition thereto, said
5 means providing a forward stop for blank cartridges.
2. The combination with a machine gun including cartridge feeding mechanism, of means detachably connected to the gun to
10 prevent feeding of ball ammunition thereto, said means providing a forward stop for blank cartridges.
3. The combination with a machine gun including cartridge feeding mechanism of
15 a formed block connected to the gun to prevent feeding of ball cartridges thereto, said block providing a forward stop for blank cartridges.
4. The combination with a machine gun
20 including cartridge feeding mechanism, of a formed block detachably connected to the gun adjacent the cartridge feeding mechanism and acting to stop feeding of ball cartridges to the gun, said block providing
25 a forward stop for blank cartridges.
5. The combination with a machine gun including cartridge feeding mechanism and a forward cartridge stop, of means connected to the gun and engaging the stop to
30 prevent feeding of ball cartridges to the gun.
6. The combination with a machine gun having cartridge feeding mechanism including a forward cartridge stop of means connected to the gun and engaging the stop to
35 prevent feeding of ball cartridges to the gun and form a forward stop for blank cartridges.
7. The combination with a machine gun including cartridge feeding mechanism and
40 a forward cartridge stop, of a formed block attached to the gun and engaging the cartridge stop to prevent feeding of ball cartridges to the gun.
8. The combination with a machine gun
45 including cartridge feeding mechanism and a forward cartridge stop, of a block having an aperture to receive the forward stop positioned on the gun to prevent feeding of ball cartridges to the gun.
9. The combination with a machine gun 50 including cartridge feeding mechanism and a forward cartridge stop, of an element adapted to be positioned on the gun, said element having a socket for the reception of the forward stop, there being a shoulder on the 55 element to form a forward stop for blank cartridges.
10. The combination with a machine gun including cartridge feeding mechanism and a forward cartridge stop, of an element connected to the gun said element having a
60 socket for the reception of the forward stop whereby the element is held in place, the said element forming a forward stop for blank cartridges and an abutment to prevent feeding of ball cartridges to the gun. 65
11. The combination with a machine gun including cartridge feeding mechanism, a forward cartridge stop, and a belt holding pawl split pin; of a formed block, a lug on the block, said lug apertured to receive the
70 split pin whereby the block is connected to the gun, said block provided with a socket for the reception of the forward stop to hold the block in place, the block positioned 75 to prevent feeding of ball cartridges to the gun.
12. An attachment for automatic guns including a formed block adapted for detachable connection to a gun to prevent feeding 80 ball cartridges to the gun and form a forward stop for blank cartridges.
13. An attachment for automatic guns including a formed block adapted for detachable connection to a gun, to provide a stop 85 for ball cartridges, the said block having an apertured lug at one end and a socket at the other whereby the block is connected to the gun.
14. An attachment for automatic guns including a formed block adapted for detachable connection to a gun, the said block having an apertured lug at one end and a socket at the other whereby the block may be connected to the gun, there being a shoulder on the block to form a forward stop for blank 95 cartridges.

SAMUEL G. GREEN.