

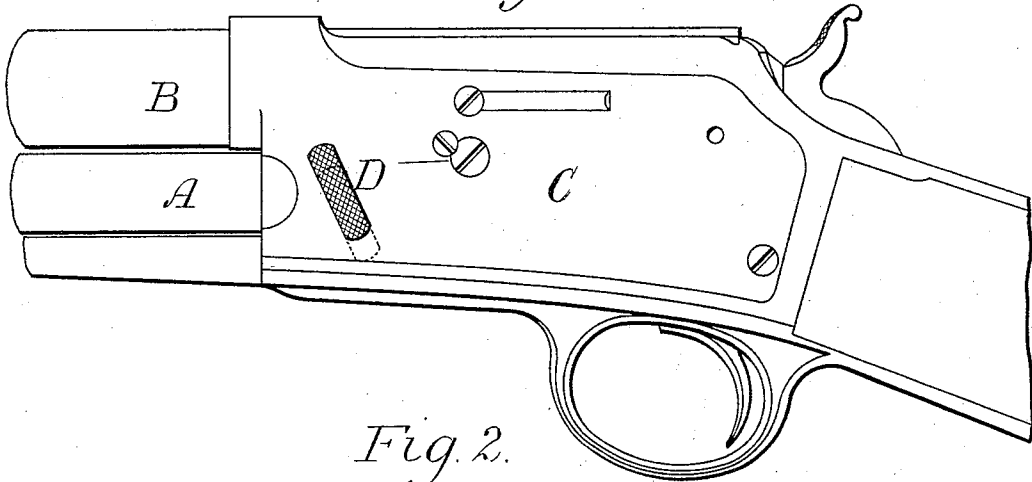
(No Model.)

G. T. THORNHILL.  
CARTRIDGE STOP FOR MAGAZINE GUNS.

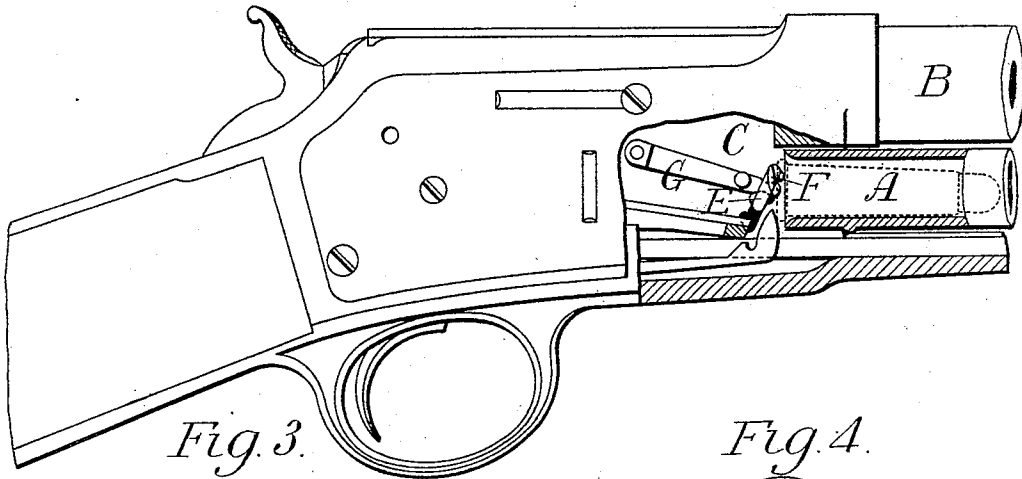
No. 526,272.

Patented Sept. 18, 1894.

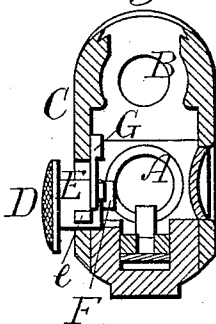
*Fig. 1.*



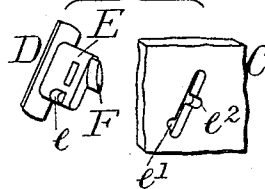
*Fig. 2.*



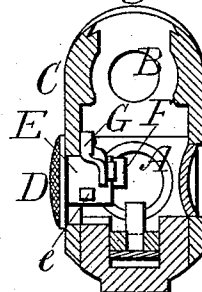
*Fig. 3.*



*Fig. 5.*



*Fig. 4.*



Witnesses:  
G. W. Rea,  
Thos. A. Green

Inventor,  
George T. Thornhill,  
By James L. Norris  
Att'y.

# UNITED STATES PATENT OFFICE.

GEORGE T. THORNHILL, OF LOCHBUIE, SCOTLAND.

## CARTRIDGE-STOP FOR MAGAZINE-GUNS.

SPECIFICATION forming part of Letters Patent No. 526,272, dated September 18, 1894.

Application filed May 12, 1894. Serial No. 511,054. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE THOMAS THORNHILL, a subject of the Queen of Great Britain, residing at St. Kilda's Parsonage, Lochbuie, Isle of Mull, Scotland, have invented certain new and useful Improvements in Magazine-Rifles, of which the following is a specification.

My invention relates to a safety appliance for magazine rifles of the kind in which a number of cartridges are accommodated in a tube extending parallel to the barrel and are pressed backward by a spring, so that, by the action of certain feeding mechanism at the breech, one cartridge after another is brought up from the magazine and inserted in the barrel.

The object of my invention is to provide for safety and to give facility for working the rifle with separate cartridges inserted by hand even when the magazine is charged with cartridges. For this purpose I apply to the rifle a safety bolt arranged and operating as I shall describe referring to the accompanying drawings.

Figure 1 is a side view of the lock portion of a magazine rifle of the kind above referred to. Fig. 2 is a view of the opposite side with part of the side plate broken away and parts within shown in section. Figs. 3 and 4 are transverse sections showing the safety bolt in its two positions. Fig. 5 is a perspective view of the bolt and of the slot in which it is fitted.

A is the magazine situated under the barrel B of the rifle. Through the left hand side plate C of the lock I cut an inclined slot in which I fit the safety bolt according to my invention. It has externally a roughened head D to which the thumb can be applied to push the pin inward and upward, or to draw it downward. From the head a stem E of rectangular section extends through the slot. It has at its one edge a stud *e* and on its end it has a projecting stud F of rounded outline. A blade spring G fixed to the inside of the plate C has its end inserted in a slot of the stem E. When the bolt is in the position shown in Fig. 3 its stud F does not project in

the path of a cartridge issuing from the magazine A, but, when the bolt is pushed inward in opposition to the spring G and slid upward to the position shown in Figs. 1, 2 and 4, the stud F overlaps the end of the magazine A and so prevents any cartridge from issuing from it. The stud *e* and a similar stud on the other side of E which pass through notches *e' e''* of the slot in C, in the act of pushing in the bolt, are, by sliding up the bolt, moved past the notches *e' e''* and act as stops preventing the bolt from being pushed out by the spring G; but when the bolt is drawn down into the dotted position shown in Fig. 1, so as to bring the studs *e* into coincidence with the notches *e' e''*, the spring G then forces the bolt out to the position shown in Fig. 3 leaving the magazine free.

By pushing the bolt inward and upward as above described, so as to obstruct the mouth of the magazine A, the rifle may be used with cartridges fed by hand, the firing and extracting mechanism operating in the usual way, while no cartridge can issue from the magazine.

Having thus described the nature of this invention and the best means I know for carrying the same into practical effect, I claim—

In a magazine rifle, the combination with the side plate C having an inclined slot provided with the notches *e' e''*, of a bolt having a head D on the outside of said plate and a shank E inserted through the plate slot and provided with studs *e* adapted to be engaged with said notches and a stud F adapted to project in the path of a cartridge and prevent it from leaving the magazine, and a spring G engaged with said bolt shank, substantially as and for the purpose described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 25th day of April, A. D. 1894.

GEORGE T. THORNHILL.

Witnesses:

J. D. M. WEDDERBURN,  
32 Albany Street, Edinburgh, Solicitor.

J. A. S. CARMENT,  
32 Albany Street, Edinburgh, Law Clerk.