G. A. BADGER.

Registering Attachment for Fire-Arms.

No. 209,600. Patented Nov. 5, 1878.

FIG. 1.

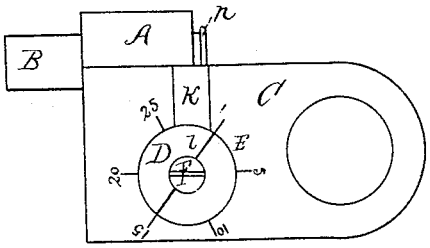


FIG. 2.

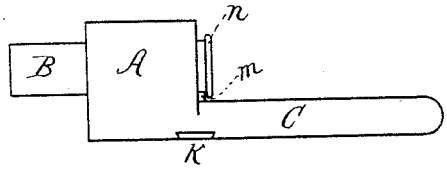
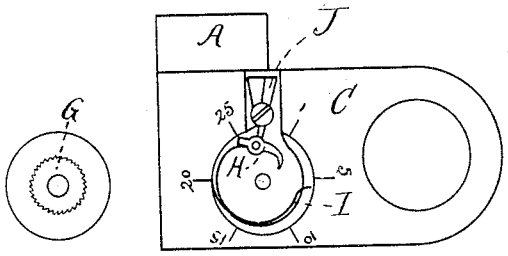


FIG. 3.



WITNESSES.

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UNITED STATES PATENT OFFICE.

GEORGE A. BADGER, OF QUINCY, MASSACHUSETTS.

IMPROVEMENT IN REGISTERING ATTACHMENTS FOR FIRE-ARMS.

Specification forming part of Letters Patent No. **209,600**, dated November 5, 1878; application filed August 26, 1878.

To all whom it may concern:

Be it known that I, GEORGE A. BADGER, of Quincy, in the county of Norfolk and State of Massachusetts, have invented a new and useful Registering Attachment for Fire-Arms, which invention is fully set forth in the following specification, reference being had to the accompanying drawings.

My invention relates to an attachment for repeating or magazine fire-arms, in which a succession of cartridges is automatically supplied to a single barrel or discharge-chamber; and the invention consists in a registering device applied to such fire-arms, whereby the number of discharges is accurately indicated on a dial by means of a revolving disk operated by the movement of the cartridges in so entering the barrel or chamber, as hereinafter explained.

The invention is applicable to any form of repeating or magazine fire-arm whose cartridges are thus automatically and successively delivered into a barrel with a single chamber, whatever the form of mechanism for so delivering the cartridges may be. The device or attachment embodying my invention may, therefore, be required to be adapted in form to the varying styles of such fire-arms, and, consequently, it is not thought advisable or requisite to show or describe herein more than a simple form of the invention, applied to a short section of a barrel, and omitting all details of the construction of the fire-arm beyond such detached portion of the barrel, as such details form no part of my invention.

In the accompanying drawings, Figure 1 is a side view of my invention. Fig. 2 is a top view of the same as applied to a detached portion of a gun-barrel, and showing a cartridge inserted therein. Fig. 3 is a side view, showing the indicating-disk removed and reversed and the internal operative mechanism.

A represents the detached portion of the barrel or cartridge-chamber of the fire-arm. B is the cartridge. C is a recessed plate attached to the barrel, and contains the registering mechanism. D is the rotary indicating-disk, which is diametrically creased at *l* as a pointer. E is an encircling dial, which may be divided into as many equal spaces as the capacity of the magazine requires. F is the screw which holds the revolving indicating-disk in place on its plate, and serves as a pivot for the same. G is a ratchet, by which such disk is intermittently rotated. H is the pawl which actuates said ratchet. I is a spring, which keeps said pawl in proper contact with the teeth of said ratchet. J is the operative lever against the lip *m*, of which the rim *n* of the cartridge acts in its passage into the discharge-chamber. K is a slide, which covers lever J.

Each successive passage of a cartridge into the barrel, as above stated, comes in contact with the lip *m* on lever J, and thus forces said lever forward, and thereby causes a movement of disk D to the extent of one space on the dial. A discharge of the gun and removal of the cartridge-shell allows lever J to return, by force of spring I, and to retract pawl H, said spring performing the double service of returning the lever and pawl and keeping the pawl in contact with the ratchet-teeth.

My invention is not restricted to the form of mechanism herein described.

I claim—

1. In combination with the discharge-chamber of a fire-arm, a registering-indicator, provided with an operative arm or projection extending into the path traversed by the cartridge or a portion thereof when being introduced into the discharge-chamber, whereby the contact of the cartridge with such operative arm shall actuate the registering devices and cause the same to indicate the number of cartridges thus introduced within such discharge-chamber, substantially as specified.

2. In combination, the chamber A, dial E, disk D, provided with suitable actuating devices, and lever J, projecting into the path of the cartridge, all operating together, substantially as and for the purposes specified.

GEORGE A. BADGER.

Witnesses:

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SAML. F. HOWARD.