J. V. MEIGS.

Feed-Bars for Magazine Fire-Arms.

No. 157,622. Patented Dec. 8, 1874.

Fig: 1.

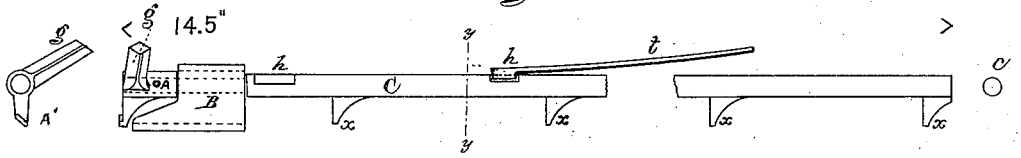


Fig: 2.

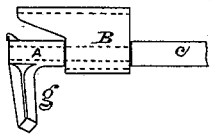


Fig: 3.

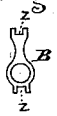
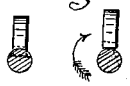


Fig: 4.



Witnesses
H. H. Young
Jos. C. Peyton.

Jas V. Meigs Inventor
by his Attorney
Wm D. Baldwin

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

JOE V. MEIGS, OF LOWELL, MASSACHUSETTS.

IMPROVEMENT IN FEED-BARS FOR MAGAZINE FIRE-ARMS.

Specification forming part of Letters Patent No. **157,622**, dated December 8, 1874; application filed May 16, 1874.

To whom all it may concern:

Be it known that I, JOE V. MEIGS, of Lowell, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Feed-Bars for Magazine-Guns, of which the following is a specification:

The object of my invention is to make a feed-bar for magazine-guns, which shall be positive in its action, so constructed as to occupy the least space, and at the same time permit the use of a magazine which contains a greater number of cartridges than those magazines in which spiral springs are used, by which to feed them up.

The improvement consists of a serrated or tongued bar, to which is attached a cross-head for sliding upon suitable ways in the gun to which it may be applied, the bar having a head with a projecting end, by which it may be turned down so as to be out of the way of the cartridges placed in a magazine, to which it may be applied. When it is in its forward position, the serrations or teeth placed apart on the bar at distances of the cartridge maximum length engage the cartridges, the tongues resting behind the heads of the shells.

By means of the before-mentioned head the bar can be revolved upon its axis, so that its tongues will be disengaged and lie clear of the cartridges in the magazine. In this position it is moved by its head backward or forward, as the case may be, so as to come in such a position that it may be partially revolved upon its axis by the before-mentioned head engaging the cartridges behind their heads, ready, when pushed forward, to move the cartridges forward one place.

In the accompanying drawings, Figure 1 represents a side view, and Figs. 2, 3, and 4 views in detail, of the different parts.

To carry out the objects of my invention, a bar, C, with projections or tongues, teeth, or serrations *x x x*, is constructed. Its end is turned down a little smaller than its body, and on it is slipped a loose guide, B, which slides by its grooved edges Z upon ways in the gun, to which it is applied. Obviously, these guides may be applied at will to any part of the bar C. A fixed head, A, is pinned, brazed, or soldered to the extreme end of the bar in this instance, though it may be placed at some other point. This head is provided with an end, *g*, by which mechanism, suitable to the peculiar gun to which it is applied, may cause it to move backward and forward, and partially revolve it upon its axis, so as to engage the cartridges in the magazine or tube to which it is applied, for the purpose of moving them forward for use. A notch is cut in the bar at points *h*, in which a spring, *t*, engages by a suitable head. Thus, when the bar is moved back or forth, it is prevented from accidental disturbance, and cannot be moved unless partially revolved, so as to lift the spring clear of the notch, as shown in Fig. 4.

This feed-bar can be applied to many forms of magazine-guns, inasmuch as it is provided with a projection or pin by which it may be moved by mechanism, or even by hand, so as to turn down to disengage the teeth from the cartridges, when it may be slipped back upon its guides, as provided, and turned up so as to engage the cartridges, and thus enable them to be shoved forward so that the front one can be used.

I claim as my invention—

1. A feed-bar for magazine-guns provided with teeth or serrations, constructed substantially as described, and operating with a backward and forward and a partially-revolving motion, disengaging and engaging the cartridges, and moving them forward positively, as set forth.

2. The combination, with the notched feed-bar, of a spring for preventing its accidental movement unless partially revolved upon its axis.

In testimony whereof I have hereunto subscribed my name.

JOE V. MEIGS.

Witnesses:

JOB BARNARD,

JAS. CROGGON.