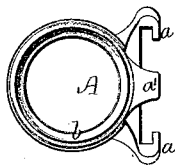


T. L. STURTEVANT.  
Cartridge-Loading Implement.

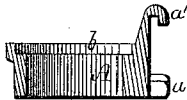
No. 162,431.

Patented April 20, 1875.

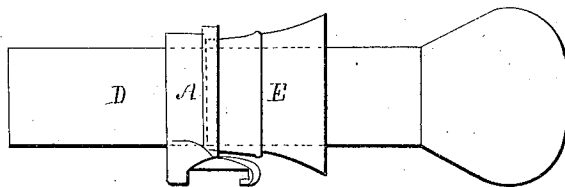
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES.

*F. H. Henshaw*  
*W. C. Boardman*

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*H. Curtis. Atty.*

# UNITED STATES PATENT OFFICE.

THOMAS L. STURTEVANT, OF FRAMINGHAM, MASSACHUSETTS.

## IMPROVEMENT IN CARTRIDGE-LOADING IMPLEMENTS.

Specification forming part of Letters Patent No. **162,431**, dated April 20, 1875; application filed February 5, 1875.

*To all whom it may concern:*

Be it known that I, THOMAS L. STURTEVANT, of Framingham, Middlesex county, Massachusetts, have invented a certain Improvement in Implements for Loading Cartridges, Extracting Shells, &c., of which the following is a specification:

This implement is desired to embody in one instrument the functions now restricted to several individual objects, and comprehends in a single device an extractor for removing spent shells from barrels, a base upon which to rest a shell while loading the latter and a ring to inclose the case or cylinder of a hollow rammer, by which both itself and the funnel or concentrator are, when not in use, confined to such cylinder, and danger of losing or misplacing them avoided.

The drawings accompanying this specification represent in Figure 1 a plan, and in Fig. 2 a section, of my improved instrument. Fig. 3 of such drawing represents a side view of the cylinder of a hollow rammer, with the concentrator and my instrument attached to it.

In these drawings, A denotes a circular ring or short cylinder, of such a diameter as to readily receive the sportsman's forefinger, by which he obtains a sufficiently strong hold to remove a cartridge-shell which has stuck fast in the barrel, the triangularly-arranged hooks which are formed upon one side of the ring to seize hold of the base or rim of the shell being shown at *a a a*, the number of which may be varied at pleasure. Within the mouth or interior periphery of one end of the ring A I create a shallow annular concentric rabbet, *b*, of a diameter adapted to receive the base or rim of a cartridge-shell, this rabbet being created in the end of the ring or cylinder A nearest the hook *a'*, in order that when a cartridge-shell is to be loaded the ring may find a steady bearing upon the table or bench, or other object on which it may

be placed. When a shell is to be loaded it is placed mouth upward with its rim resting in the rabbet *b*, the center of the shell or the cap or fulminate contained therein being left entirely free from contact with or raised above any object which would tend to explode such fulminate by the effects of the blow imparted in ramming or pressing down the wads or bullets.

Figure 3 of the accompanying drawings represents a view of my instrument as slipped upon the exterior of a tube, D, which constitutes the case of a hollow rammer for loading shells, the cylinder being slightly tapering, and its outer diameter such as to tightly fill the ring A, and enable the latter to retain a firm hold upon it, and not only secure itself in place thereon against misplacement or loss, but also to confine upon the cylinder D the funnel or concentrator E, which is an important auxiliary in loading the shells of shot-guns to facilitate the introduction of the wads into such shells.

A further office performed by the instrument in which my improvement is embodied is to prevent possibility of the rammer rolling off a table or shelf, and becoming injured, as the hooks *a a* prevent such a result.

I claim—

1. The instrument herein described, consisting of the ring or short cylinder A, provided with rabbet *b* and hooks *a a* or *a a a'*, or their equivalents, the whole being combined and operating substantially as and for the purposes stated.

2. As an instrument for supporting cartridge-shells while the latter are being loaded, the ring or cylinder A, with its rabbet *b*, substantially as and for purposes stated.

T. L. STURTEVANT.

Witnesses:

F. CURTIS,

W. E. BOARDMAN.