

E. H. DAVISON & A. BEAM.
CARTRIDGE-LOADING IMPLEMENT.

No. 177,060.

Patented May 9, 1876.

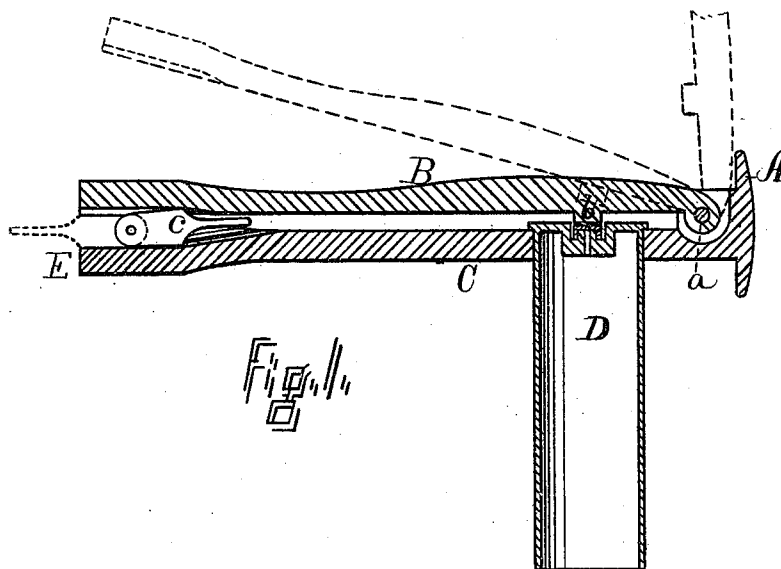


Fig. 2.

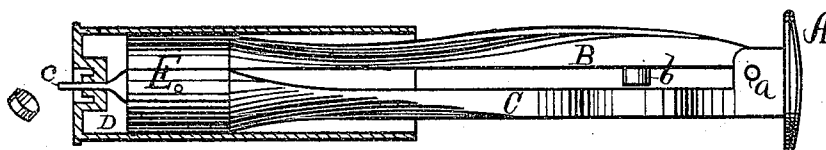
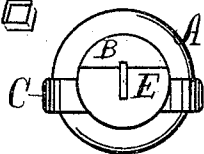


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

EDWARD H. DAVISON AND ALFRED BEAM, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN CARTRIDGE-LOADING IMPLEMENTS.

Specification forming part of Letters Patent No. 177,060, dated May 9, 1876; application filed March 31, 1876.

To all whom it may concern:

Be it known that we, EDWARD H. DAVISON and ALFRED BEAM, both of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Implements for Loading Cartridge-Shells, of which the following is a specification:

Our invention relates to an improved compound tool for capping, uncapping, and ramming in the process of loading cartridge-shells; and consists, first, in the peculiar construction of the uncapper and rammer; and, second, in the complete device as a new implement.

In the accompanying drawing, Figure 1 is a central and longitudinal section of an implement which embodies our invention. Fig. 2 is a side elevation, and Fig. 3 an end view, of the same.

Just under the head A the two arms are hinged or pinned together at the joint *a*, so that the arms may be opened, as shown by broken lines in Fig. 1.

In the arm C there is a shell-holding socket, of a size that will readily admit the body of a shell, D, but smaller than the flange upon the head of the shell, so that it will be retained in the position shown in Fig. 1. Upon the arm B, and central with the socket in C, there is a downward projection or capper, *b*.

When it is desired to cap a shell, the shell is placed in the socket, as shown in Fig. 1, the cap placed upon its anvil, and by forcing the handles or arms B C together the projection *b* will force the cap firmly in place.

The ends of the arms or handles B C, opposite the joint *a*, when together, form the cylindrical rammer E, the head A being of a convenient form for the hand while using the rammer. Pivoted in one part of the rammer is the uncapper *c*.

When the rammer is used for ramming or loading the shell, the uncapper *c* is turned inward, as shown in Figs. 1 and 3, and when it is desired to use it for removing an exploded cap, it is turned with its small end forward,

and the device run into the shell, the cylindrical rammer acting as a follower to guide the small end of the uncapper into the hole of the nipple or anvil, when pressure upon the head A will force the cap off, as shown in Fig. 2.

We pivot the uncapper *c* in grooves formed in the halves of the rammer, and so that a part of it is in each half, as shown in Fig. 3, whereby it acts as a dowel-pin to cause said halves to coincide. We have shown this uncapper as turning over at right angles to the division-faces of the rammer; but it might be made to turn on the same plane as the face of the division, and be pinned to one half, and let into a recess in the other half, when it would act as a dowel; or it may be slotted and slid endwise on a pin, so as to present its small end far enough for use, as shown, and also to withdraw it wholly within the rammer, and held in said positions by a lug on one-half of the rammer, which will engage in a hole or the rear end of the uncapper to hold it outward, and in another hole or forward shoulder to hold it inward; but we prefer the construction first described and shown.

We are aware that a cartridge-shell capper consisting of handles jointed together, socket and projection, has been used prior to our invention, and we do not claim the same.

We claim as our invention—

1. The divided rammer E, in combination with the uncapper *c*, pivoted therein, substantially as described, and for the purposes set forth.

2. The improved implement herein shown, consisting of the head A, arm C, provided with shell-holding socket, the arm B, provided with the capper *b*, the cylindrical divided rammer E, and pivoted uncapper *c*, all substantially as described.

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Witnesses:

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