

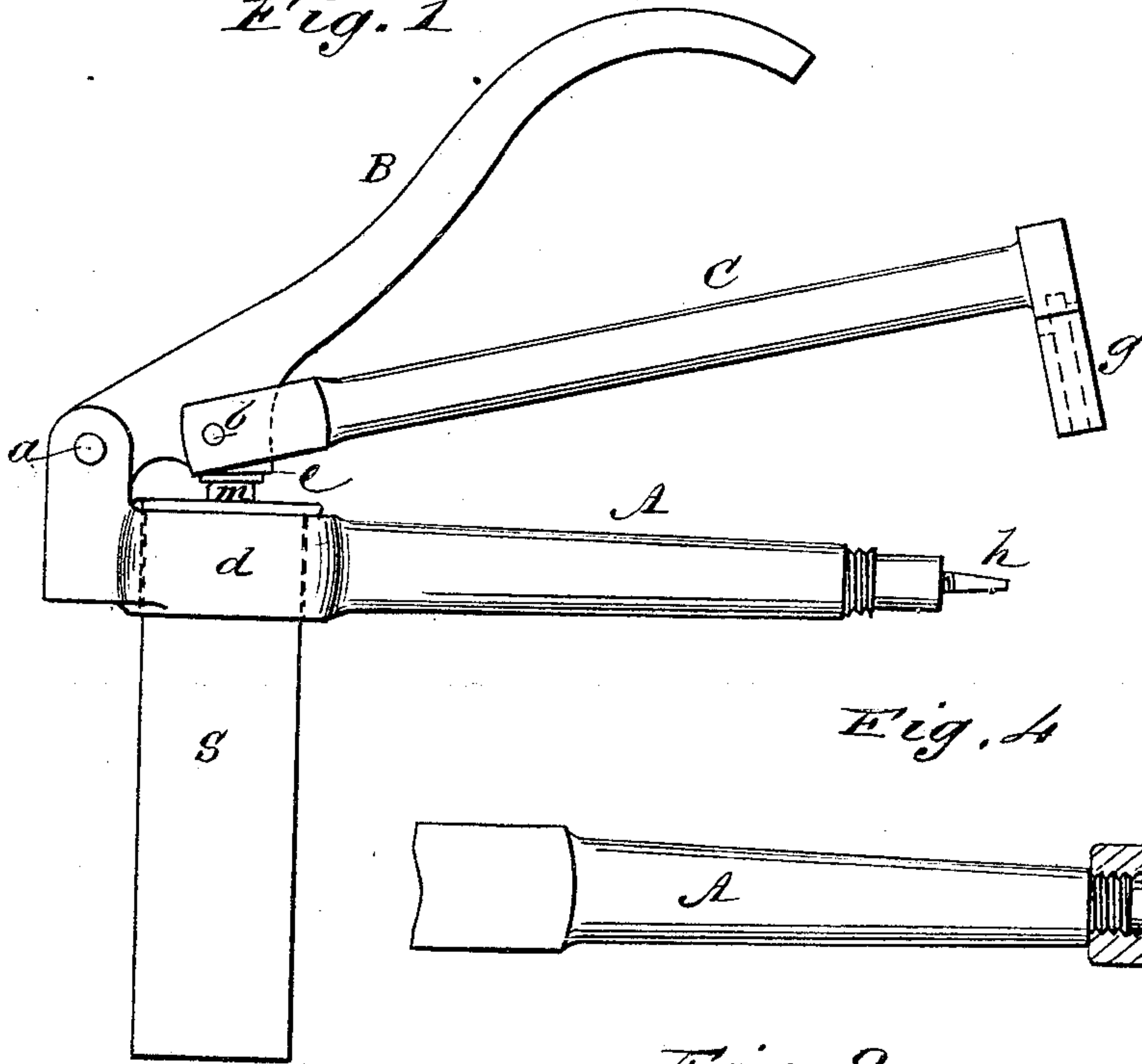
(No Model.)

E. R. DARLING,  
CARTRIDGE IMPLEMENT.

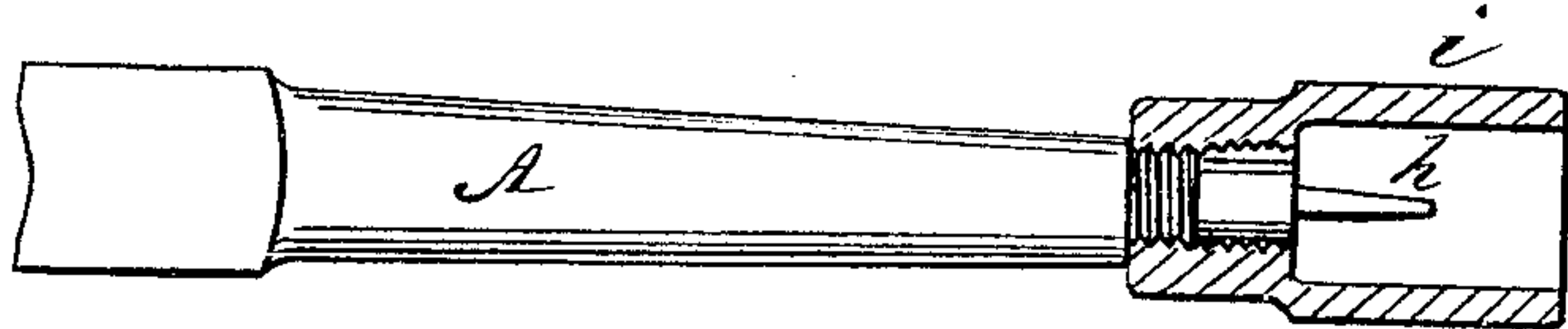
No. 272,215.

Patented Feb. 13, 1883.

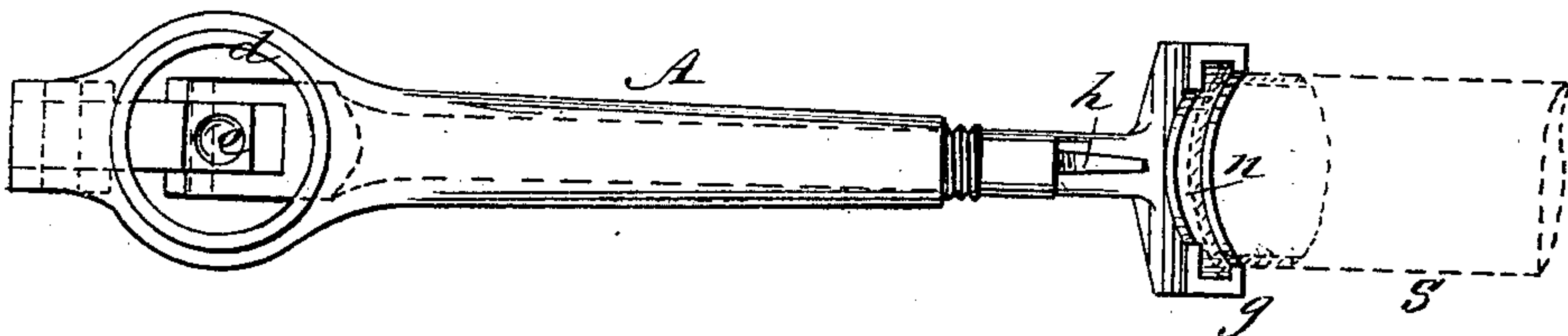
*Fig. 1*



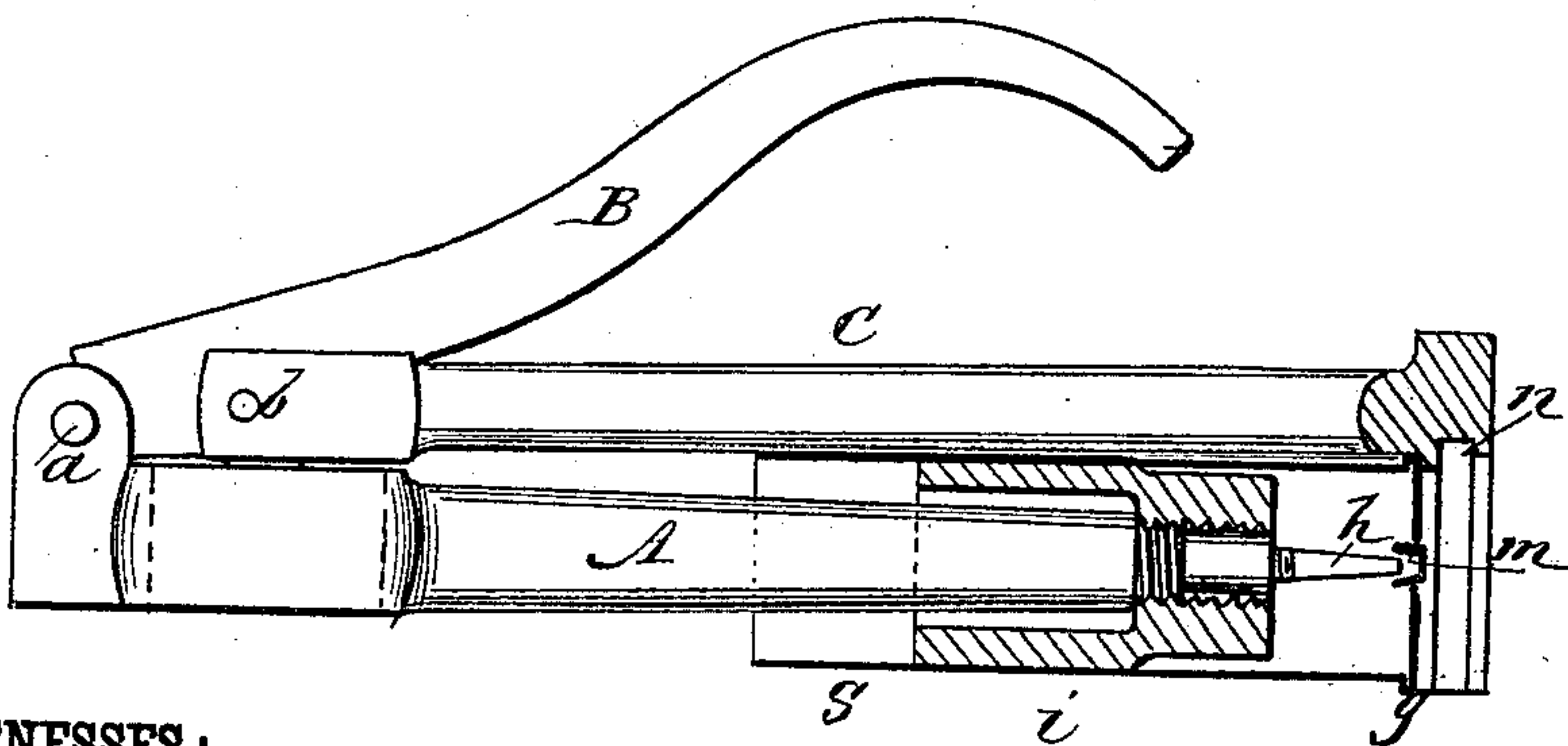
*Fig. 4*



*Fig. 2*



*Fig. 3*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

EDMUND R. DARLING, OF WOONSOCKET, RHODE ISLAND.

## CARTRIDGE IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 272,215, dated February 13, 1883.

Application filed June 12, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, EDMUND R. DARLING, of Woonsocket, in the county of Providence and State of Rhode Island, have invented a new and Improved Instrument for Capping, Decapping, Loading, and Extracting Cartridge-Shells, of which the following is a full, clear, and exact description.

My invention consists in an improved instrument adapted for use in capping, loading, and extracting shells, also for removing the caps from the shells, the construction of this combination-instrument being as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of the instrument shown in the position of use for capping a shell. Fig. 2 is an inverted plan view of the same as applied for extracting a shell. Fig. 3 is a sectional side view of the instrument in position of use for decapping. Fig. 4 is a sectional view, showing the instrument as arranged for loading.

The instrument is composed mainly of three parts—namely, an arm, A, handle B, that is jointed at *a* to the rear end of the arm A, and an arm, C, that is jointed at *b* to the handle B. The arm A is apertured at *d*, the aperture being of a size for receiving the body of the cartridge-shell S, and the handle B is formed with an anvil, *e*, in position for coming above the center of the apertured portion *d* of the main arm, so that when a shell is passed through the aperture at *d*, with its flange resting upon the upper side of the arm A, the primer or cap *m* can be forced into the shell by means of the handle B and its anvil *e*, as illustrated in Fig. 1.

Upon the end of the arm C is a perforated or semicircular flange, *g*, which flange is made

with a groove, *n*, for receiving the flange of the shell for the purpose of extracting the shell from the gun.

Upon the end of the arm A is a pin, *h*, and the arm is also screw-threaded for receiving the hollow block *i*, which is used as a rammer for loading the shell, and also as a guide for decapping. For loading, the block *i* is screwed upon the arm A in the position shown in Fig. 4, in which position it covers the pin *h*. The shell to be loaded is placed flange downward upon a table or other support, and the instrument is held and applied to force the charge by the block *i* down home within the shell. For decapping, the shell is placed as shown in Fig. 3—that is, with its flange against the inner face of the flange *g*—and the handle B then raised to force the cap out from the shell by the pin *h*, the block *i* in such operation being reversed upon the arm A, said block entering the shell and serving as a guide to direct the pin *h* to the center. For extracting the shell from the gun the flange of the shell is placed in the groove *n* of the flange *g*, as shown by dotted lines in Fig. 2, and the instrument drawn bodily outward.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

A cartridge-instrument consisting of the arm A, carrying the end pin and block *i*, the handle B, pivoted to a right-angled projection of arm A, and carrying the anvil *e* near its fulcrum, and the arm C, pivoted to said handle B, and having the perforated and grooved end flange, *g*, whereby it may be used for loading, capping, uncapping, and extracting the cartridge, as described.

EDMUND R. DARLING.

Witnesses:

B. S. UNDERWOOD,  
C. SEDGWICK.