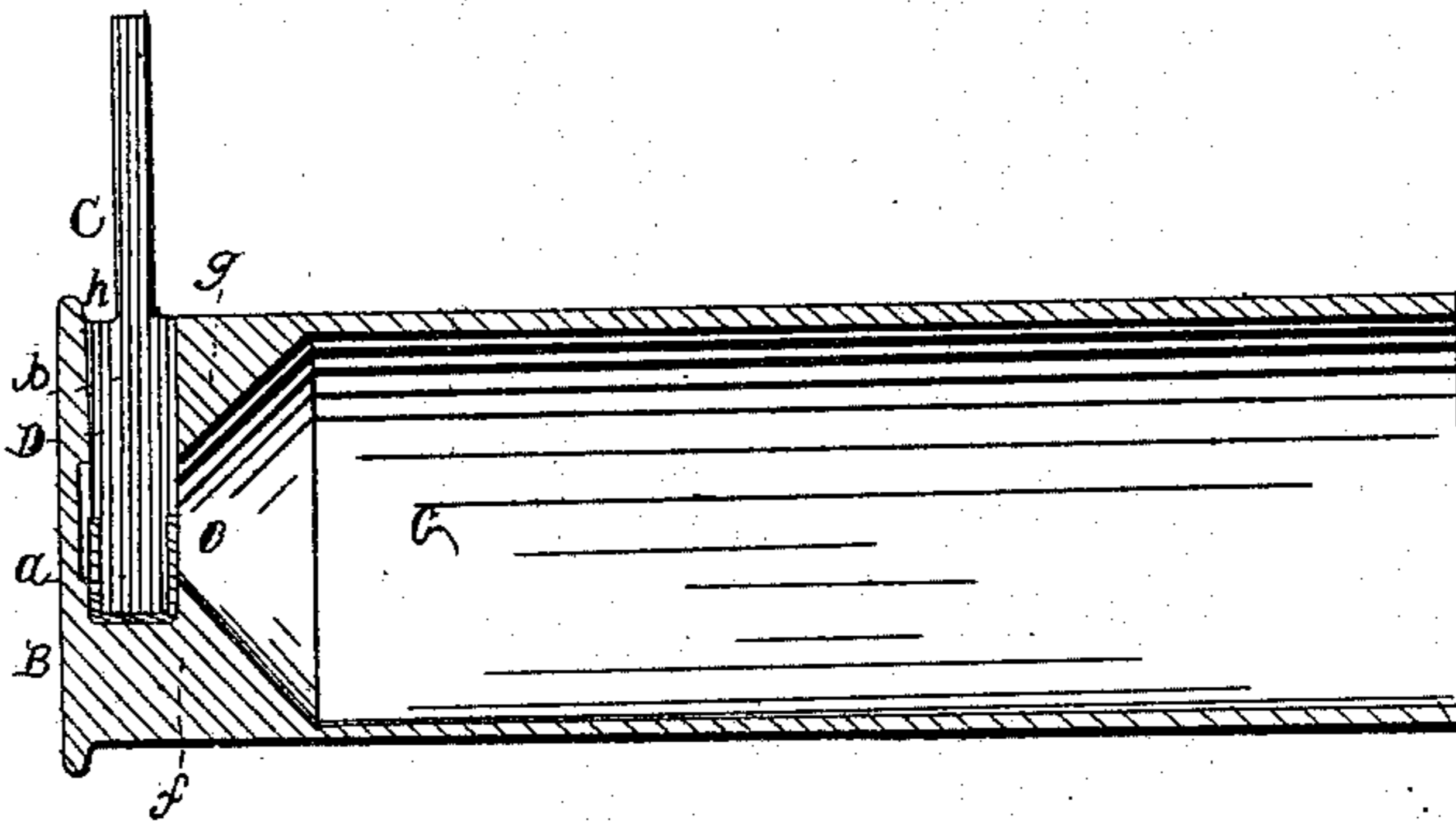


T. L. STURTEVANT.

Cartridge.

No. 53,501.

Patented Mar. 27, 1866.



Witnesses-
D. P. Hale Jr
Samuel W. Piper

Thomas L. Sturtevant
by his attorney
R. M. Eddy

UNITED STATES PATENT OFFICE.

THOMAS L. STURTEVANT, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN PRIMING CARTRIDGES.

Specification forming part of Letters Patent No. 53,501, dated March 27, 1866.

To all whom it may concern :

Be it known that I, THOMAS L. STURTEVANT, of Boston, in the county of Suffolk and State of Massachusetts, have made a new and useful improvement or invention having reference to Cartridges or Chargers for Breech-Loading Fire-Arms; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, which is a longitudinal section of a cartridge or charger provided with my invention.

In this cartridge the percussion-cap (shown at C in the drawing) is to be placed inverted in the powder or charge chamber *e*, and may rest in a cavity or on a seat, *f*, made in or on the breech B. It is to be exploded by means of the blow of the hammer of the lock of the fire-arm directed upon a plunger, D, passing down laterally into the cartridge, and through a hole, *g*, made in its upper part.

It is not new to have a percussion-cap so placed within a cartridge; nor is it new to explode it by such means. It has been customary to insert the cap in the cartridge through the mouth of the latter. The operation of doing this and introducing the plunger into the cap preparatory to loading the cartridge has been attended with more or less difficulty and inconvenience.

With my improvement the cap is first ap-

plied to the plunger, and with it is inserted in the cartridge, the plunger being constructed not only with a carrier, *a*, to fit into the cap *c*, but with a cap-entrance stopper, *b*, having a diameter at least equal to that of the cap, and designed to fill or stop the entrance-hole *g*, made in the top of the case of the charger.

The part *c* of the plunger which projects above the stopper *b*, I form of a diameter less than the stopper, in order that there may be a shoulder, *h*, at the top of the stopper to rest against the bore of the gun or fire-arm when the cartridge may be within the said bore. This shoulder operates to prevent the pressure or explosion of the charge from forcing up the hammer and throwing the plunger out of the barrel.

I claim—

1. A percussion-cap plunger or discharger as made with a cap-entrance stopper, *b*, and with a cap-carrier, *a*, arranged and designed to operate therewith, as and for the purposes set forth.

2. The combination of the shoulder *h*, arranged at the top of the stopper, with the said stopper *b*, applied to the cap-discharger, for the purpose set forth.

T. L. STURTEVANT.

Witnesses:

R. H. EDDY,
F. P. HALE, Jr.