

T. L. STURTEVANT.

Cartridge.

No. 55,552.

Patented June 12, 1866

Fig 1

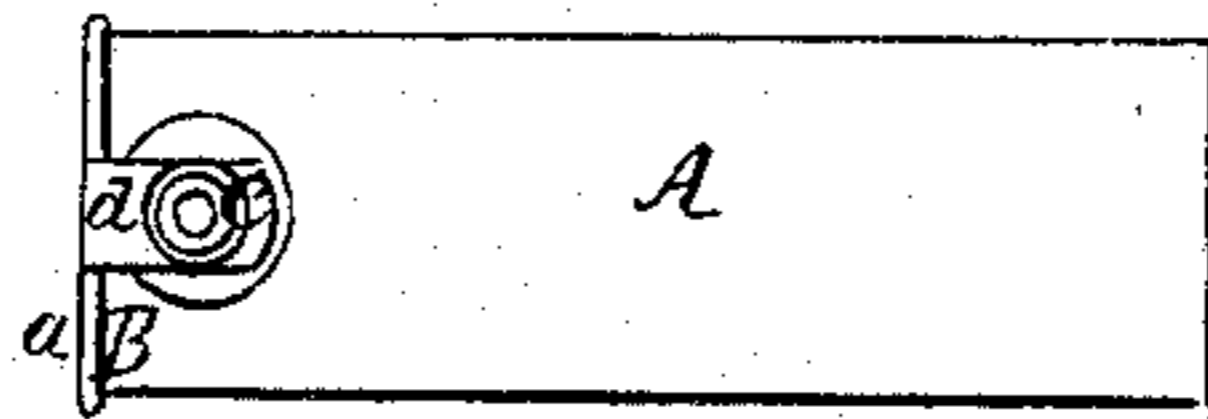


Fig 2

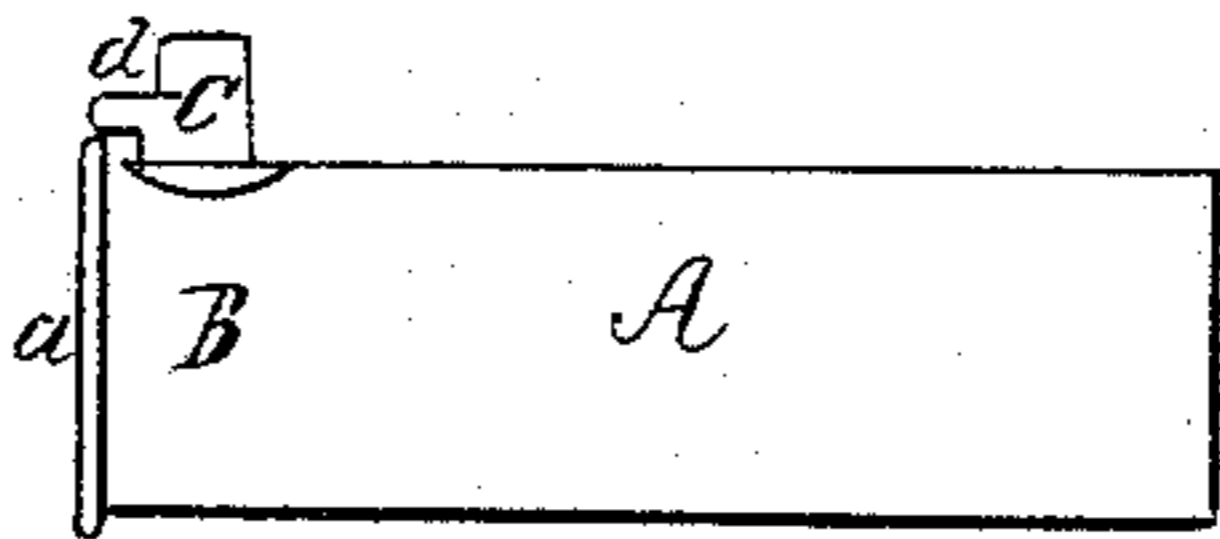
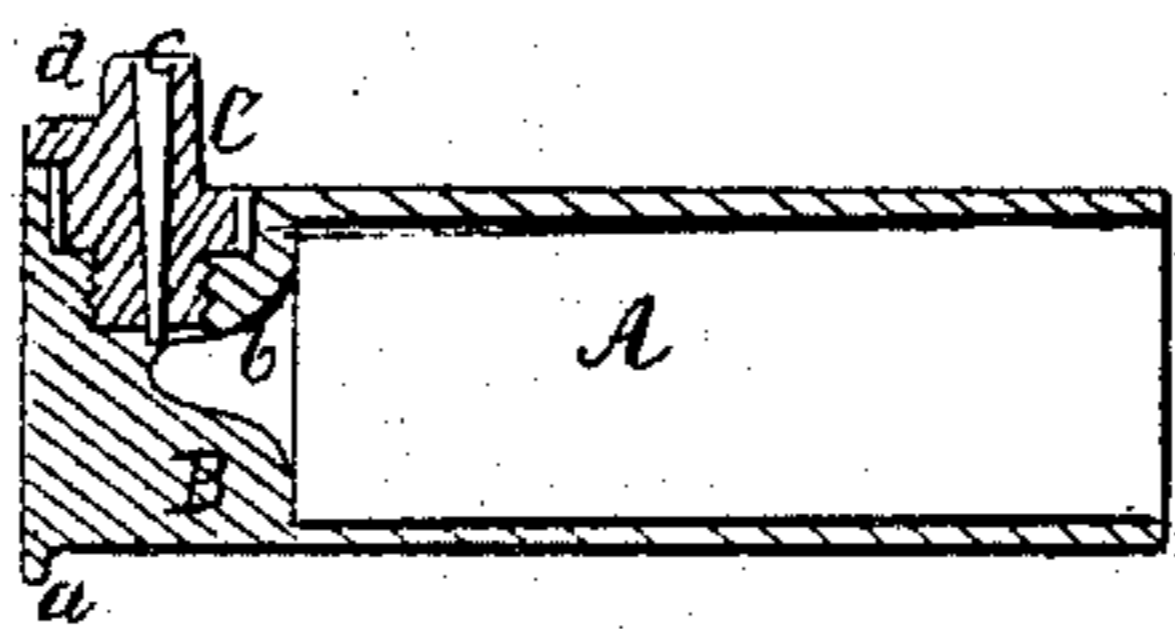


Fig 3



Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS L. STURTEVANT, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN NIPPLED CARTRIDGES FOR BREECH-LOADING FIRE-ARMS.

Specification forming part of Letters Patent No. 55,552, dated June 12, 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 invented a new and useful Improvement in Metallic Cartridges or Chargers for Breech-Loading Fire-Arms; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, and Fig. 3 a longitudinal section, of one of my improved cartridges or chargers.

It is intended to be inserted in the rear end of the bore of the barrel of a breech-loading fire-arm.

It consists of a tube, A, provided with a flanged breech, B, the flange of such breech being represented at *a*.

The said breech is formed with a bell-shaped chamber, *b*, or one shaped somewhat like the larger end of a trumpet, the same being arranged in it in manner as represented in Fig. 3. A peculiar cap-nipple, C, is screwed into the said breech, and so as to project from the upper surface of the tube A, in manner as shown in Figs. 2 and 3. The touch-hole *c*, leading through the nipple, is extended into the chamber *b*.

Furthermore, the said nipple, is provided with a tongue, *d*, which projects from it, and is formed in manner as represented. This tongue is not only for the purpose of filling the nip-

ple-receiving cavity necessarily made in the barrel of the fire-arm in which the cartridge or charger is to be used, but answers as a means of preventing the nipple screw-thread from being upset or broken down by the blows of the hammer of the lock of the fire-arm. The tongue *d* is also advantageous as a means of effecting the removal of the nipple from its screw-hole in the breech B.

The charger or cartridge-case made as described is intended to be loaded with gun-powder and shot or one or more balls. On introducing it into the rear of the bore of a gun-barrel, the nipple C will enter the recess therein for its reception, and project from the outer surface of the barrel in a manner to enable a percussion-cap, when placed on the said nipple, to be struck by the hammer of the lock in being thrown down or discharged. The diffusion-recess *b* is to deflect the fire of the priming in various directions into the charge of powder.

I do not claim the combination of a percussion-cap nipple with a cartridge or charger; but

What I claim is as follows:

The combination and arrangement of the tongue *d* with the nipple C and the charging-tube A, arranged substantially as specified.

T. L. STURTEVANT.

Witnesses:

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