J. J. CHAUDUN.

Cartridge.

No. 92,795.

Patented July 20, 1869.

Fig. 6



Fig. 5



Fig. 1

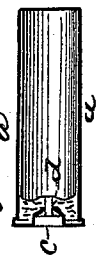


Fig. 4



Fig. 3



Fig. 2



Witnesses

J. G. McKean

Inventor

Jules Joseph Chaudun

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

JULES JOSEPH CHAUDUN, OF PARIS, FRANCE, ASSIGNOR TO HIMSELF, JEAN JEAN DEXANT AND ALFRED BERNARD,

IMPROVEMENT IN METALLIC CARTRIDGES.

Specification forming part of Letters Patent No. 92,795, *dated July* 20, 1869; *patented in France, March* 31, 1865.

To all whom it may concern:

Be it known that I, JULES JOSEPH CHAUDUN, of Paris, in the Empire of France, have invented a new and useful Improvement in Metallic Cartridges; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 is a sectional view of a cartridge-shell, showing recess for the head of the anvil and the firing-cap, and opening for the passage of the stem or tail of the anvil into the powder-space or body of the cartridge. Fig. 2 is the anvil, which may be flat or round, and cut or stamped out of any suitable sheet metal or cut from wire of suitable size. Fig. 3 represents vertical section of a loaded cartridge, with the anvil inserted and the firing-cap placed in the recess in the head of the cartridge. Fig. 4 is an end view of the cartridge, with the firing-cap removed, showing the anvil inserted in its place and the head or shoulders of the same resting upon the bottom of the recess. Fig. 5 is an end view of the cartridge, with the firing-cap inserted. Fig. 6 is a perspective view of the complete cartridge.

My improvement consists in the novel construction and arrangement of a central-fire metallic cartridge in such manner that the cap may be readily and conveniently removed after firing, thus permitting each shell to be employed an indefinite number of times.

For this purpose I construct my improved cartridge substantially in the following manner:

The shell or case *a*, Fig. 1, is mainly constructed in the ordinary form, with base, shown at *b*, Figs. 1 and 3, which may be of wood, paper, metal, or any suitable substance, and with recess for firing-cap, shown at *c*, Fig. 1. In the center of the recess for the firing-cap is a small hole, *d*, Fig. 1, extending through the said base. Into this hole the stem or tail of the anvil *e*, Figs. 2 and 3, is inserted and passes through and beyond the base into the interior of the shell. The cap containing the fulminate is then placed in the recess in the head of the cartridge immediately above the head of the anvil. The powder is then inserted, and after that the ball. The cartridge being placed in the gun and the fulminate exploded by the stroke of the firing pin or hammer against the cap, and the consequent pressure of the fulminate against the head of the anvil, the fire passes along the sides of the anvil into the interior of the shell and explodes the charge.

After the cartridge has been fired the cap can then be readily removed by pressing against the point or stem of the anvil.

I do not limit myself to the exact form of the anvil nor the precise manner of employing the same. It may be constructed with a round head resting upon all the sides of the hole through which it passes, and having a hole through its stem for the passage of the fire to the charge.

What I claim as new, and desire to secure by Letters Patent, is—

The anvil substantially as shown and described, which serves to receive the blow from the hammer or firing-pin to explode the cap, and to remove the same after being fired, or before, by pressing upon the end of the stem of the anvil, as herein described.

JULES JOSEPH CHAUDUN.

Witnesses:

J. A. MCKEAN,

F. OLCOTT.