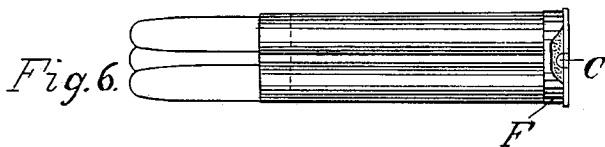
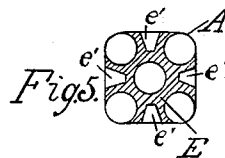
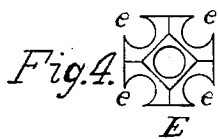
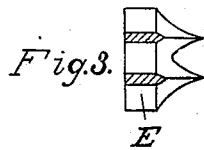
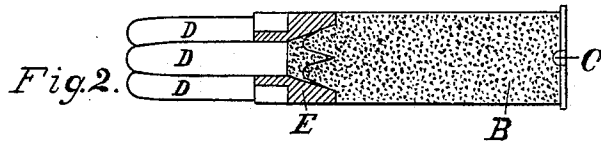
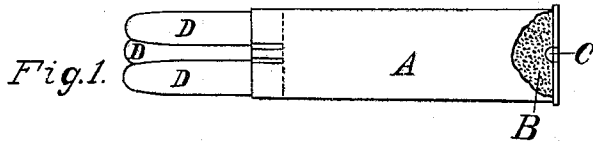


(No Model.)

M. P. BOSS.
CARTRIDGE.

No. 588,764.

Patented Aug. 24, 1897.



Witnesses,
J. H. Morse
L. S. Slade

Inventor,
Martin P. Boss.
By Dewey & Co. attys

UNITED STATES PATENT OFFICE.

MARTIN P. BOSS, OF SAN FRANCISCO, CALIFORNIA.

CARTRIDGE.

SPECIFICATION forming part of Letters Patent No. 588,764, dated August 24, 1897.

Application filed March 16, 1896. Serial No. 583,335. (No model.)

To all whom it may concern:

Be it known that I, MARTIN P. BOSS, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Cartridges; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to cartridges for fire-arms; and it consists in the improved cartridge which I shall hereinafter describe and claim.

Referring to the accompanying drawings, Figure 1 is an elevation. Fig. 2 is a longitudinal section. Fig. 3 is a diagonal section of seat-piece E. Fig. 4 is a rear view of same. Fig. 5 is a cross-section of same, showing also the edge of shell. Fig. 6 is a modification.

The best and most perfect form of my cartridge is as follows: A is a shell having within its rear portion an explosive charge (represented by B) which is adapted to be ignited by any suitable means, as by the cap C. In the front end of the shell is seated a plurality of projectiles or bullets D. These are best seated by means of a guide-seat E, fitted to the front end of the shell. This guide-seat consists of a plate having sockets or grooves *e* to receive the projectiles. In the present instance these sockets or seats are shown as arranged with a central hole for the central bullet and a number of peripheral half-round grooves for the annular series of bullets around the central one. There are four of these grooves here shown, which unite with the body of the shell A to form the seats for the circumscribing series of bullets, thus making, in the illustration, five projectiles. This seat-plate is best formed on its periphery with a number of slight grooves *e*, into which the

material of the shell A is crimped, whereby it is held well in place, and channels formed for the insertion of a hook-tool, entered into the breech of the gun for the purpose of extracting the shell after the projectiles have been discharged. I do not, however, confine myself to the construction of my composite cartridge whereby a multiplicity of projectiles are actuated by a single explosive charge, for I may construct the cartridge as I have shown in Fig. 6, in which the several projectiles are initially unitedly seated each in its own shell and each provided with an explosive charge, but each shell having at its rear a single uniting plate F, provided with a cap C, said plate forming a chamber at the back of the composite shell adapted to permit the spark from the cap to simultaneously fire all of the explosive charges exposed to said chamber.

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

A cartridge composed of a plurality of unitedly-seated independent projectiles, a shell having an explosive charge common to all of said projectiles, a means at the rear end of the shell for exploding said charge, and a grooved seat-plate in the forward end of the shell in which the projectiles are independently but unitedly seated, said seat-plate having peripheral grooves in which the material of the shell is crimped.

In witness whereof I have hereunto set my hand.

MARTIN P. BOSS.

Witnesses:

THOMAS BARTON,
CHARLES DUFF.