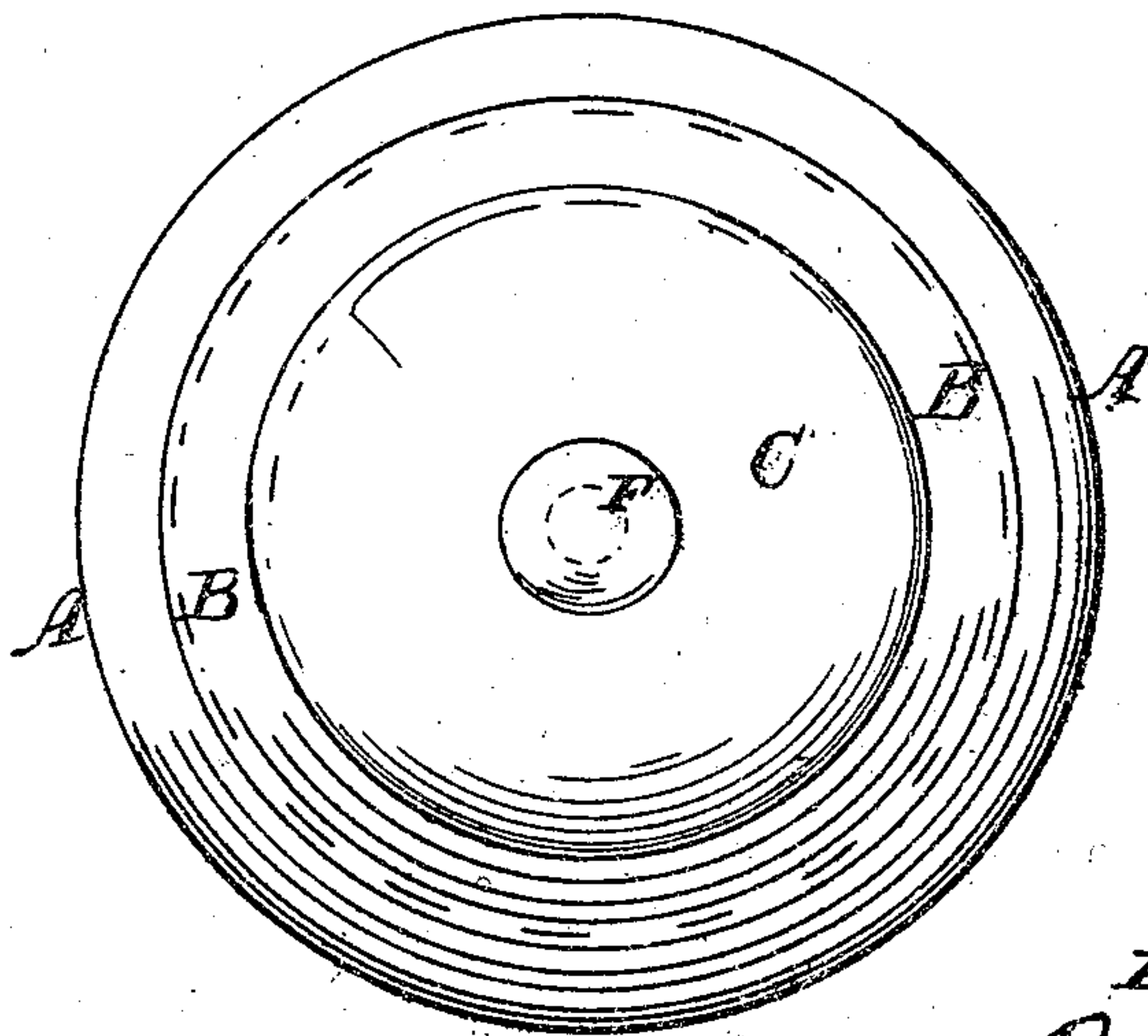
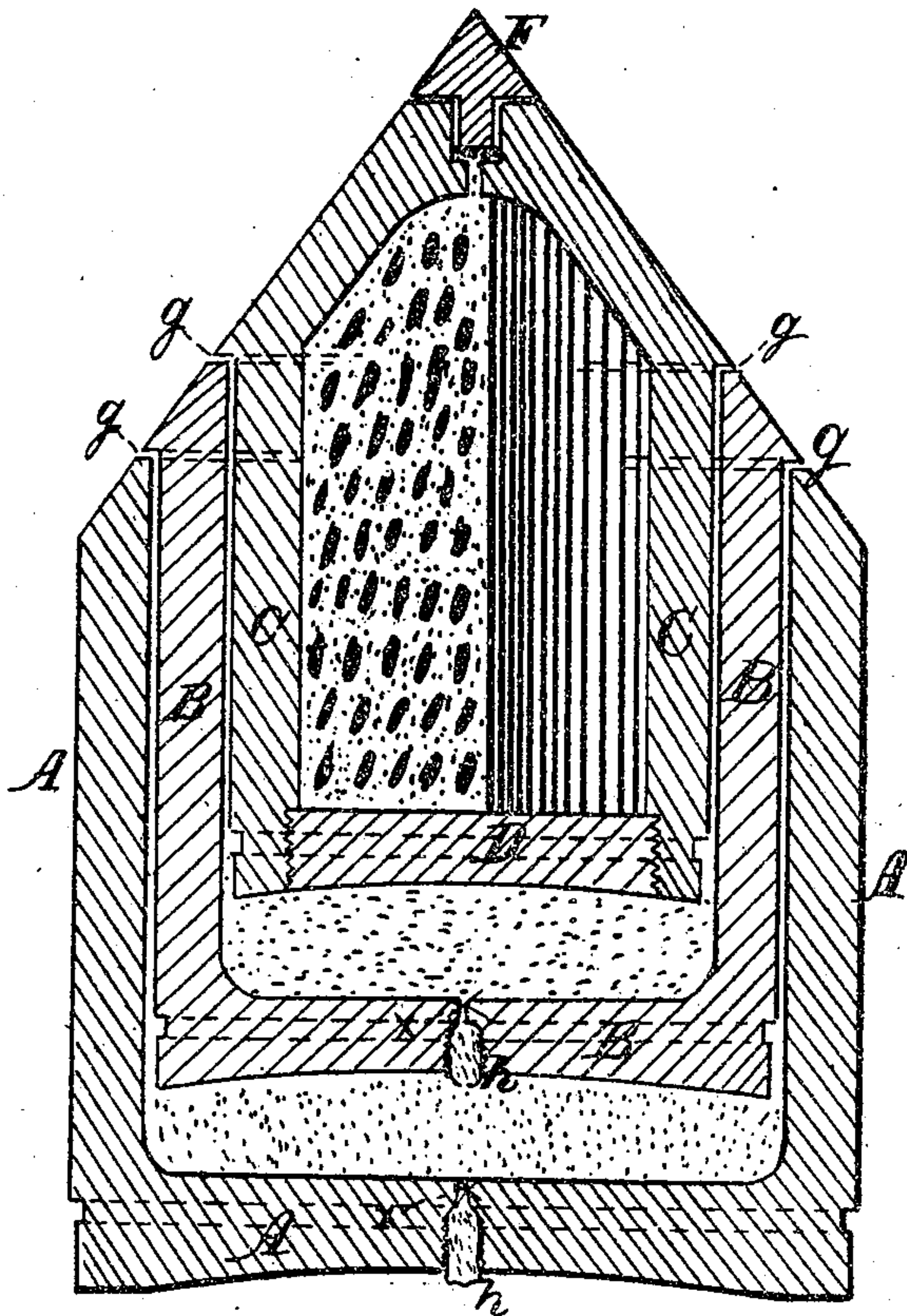


R. H. Jones,
Shell.

No. 87498.

Patented Mar 2. 1869.



Witnesses
A. H. Munn
V. D. Stockbridge

Inventor
R. H. Jones

United States Patent Office.

R. H. JONES, OF SAN FRANCISCO, CALIFORNIA

Letters Patent No. 87,498, dated March 2, 1869; antedated February 21, 1869.

IMPROVEMENT IN PROJECTILES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, R. H. JONES, of San Francisco, in the county of San Francisco, and in the State of California, have invented new and useful Improvements in Projectiles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and the letters of reference marked thereon.

In the annexed drawings, making a part of this specification—

A, B, and C, represent hollow cylindrical shells, made in the form shown in the drawings, all bevelled toward the front end, and forming a conical point.

The shells A and B are provided with hole, *x*, in the centre of their rear ends, in which is placed a fuse, *h*, and with a groove around it, for suitable packing-ring.

The shell B fits nicely inside of the shell A, and has a lip or projection, *g*, around its top or front end, so as to form a perfect joint, and present a smooth face in the direction it is thrown.

Said shell B is somewhat shorter than the inside of the shell A, leaving a chamber of suitable dimensions, which is designed to be filled with gunpowder, to operate as hereinafter described.

The shell C is also provided with lips, *g*, for the purpose above described, and with an adjustable bottom, D.

Said shell is designed to be filled with any suitable material, or material ordinarily in use for purposes of warfare, and the base or bottom, D, screwed or fastened therein, and then adjusted inside of the shell B, after filling the chamber between the bottom of it and that of the said shell B.

Any number of shells constructed and arranged as above may be used, as may be desired.

F represents a cap, adjusted at the point of the shell C, for the purpose of discharging said shell when it strikes.

The shells A B C, arranged as above described, are to be used as a projectile in any suitable gun, and, when shot therefrom, and has reached near its highest elevation, the fuse *h* sets fire to the powder in the chamber between the shells A and B, and fresh impetus is given to the inside shells, by being shot therefrom, and the same repeated with the shells B and C, or until the smallest and inside one is thrown out.

It will readily be seen that almost any range of a projectile can be obtained that may be desired.

Having thus fully described my invention,

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

The combination of the shells B C and cap F with the shell A, when said cap and shells B C are bevelled at the top, and provided with circumferential shoulders *g g*, and when said shell C is provided with a screw-bottom, D, there being combustion-chambers between shells A and B, and B and C, all substantially as herein shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand, this 14th day of March, 1868.

R. H. JONES.

Witnesses:

V. D. STOCKBRIDGE,
EDM. F. BROWN.