

(No Model.)

H. E. WINANS.
SHOT SPREADER.

No. 519,559.

Patented May 8, 1894.

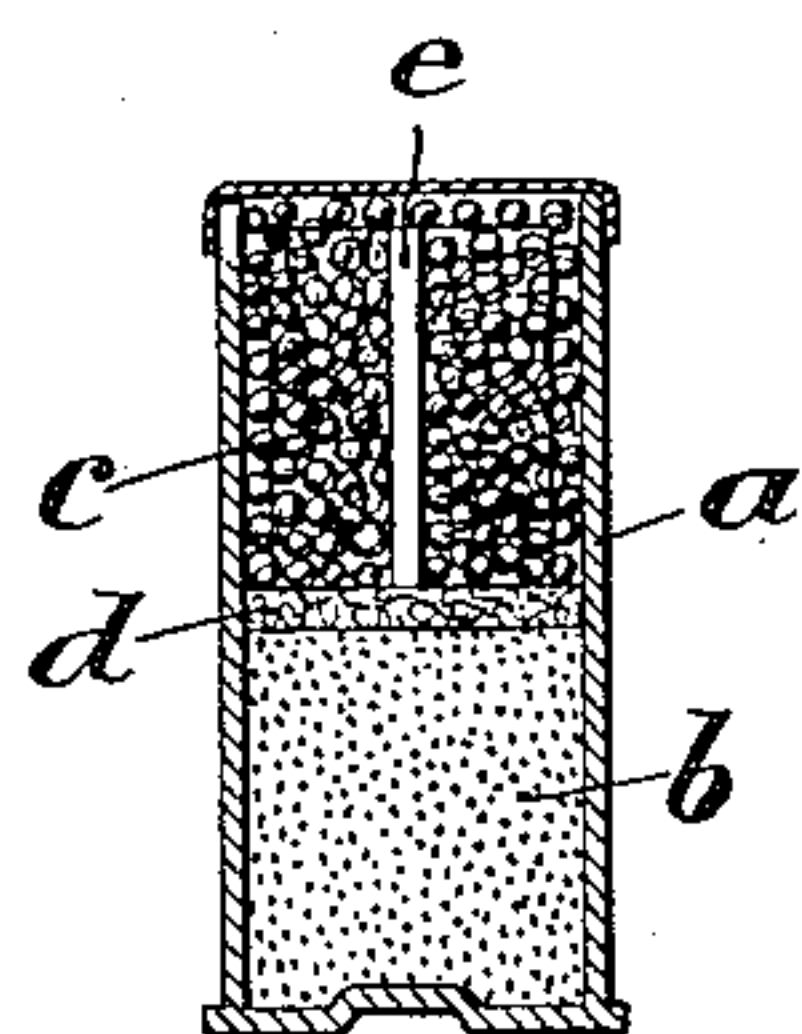


Fig. 1.

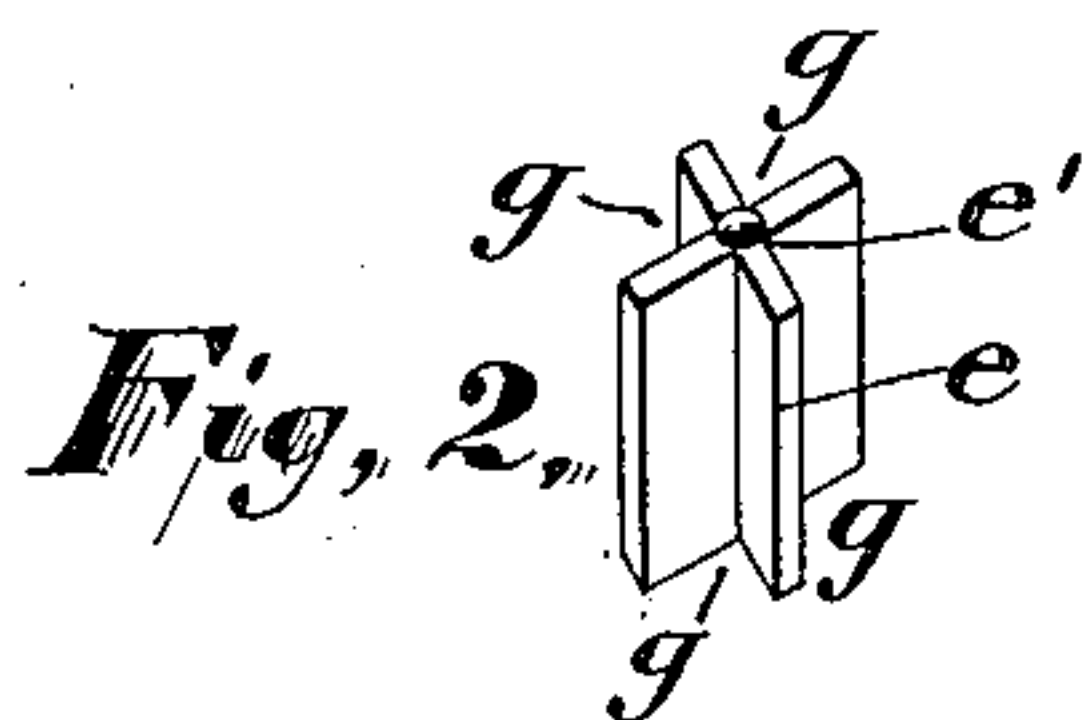


Fig. 2.



Fig. 3.

Witnesses

Inventor:

Robert Solberg

Henry E. Winans,

William W. Schoiler.

By *Drake & Co.* Attys.

UNITED STATES PATENT OFFICE.

HENRY E. WINANS, OF NEWARK, NEW JERSEY.

SHOT-SPREADER.

SPECIFICATION forming part of Letters Patent No. 519,559, dated May 8, 1894.

Application filed November 13, 1893. Serial No. 490,724. (No model.)

To all whom it may concern:

Be it known that I, HENRY E. WINANS, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Shot-Spreaders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to cause the shot to spread or scatter as they leave the gun and thereby kill more game at each discharge of the piece than heretofore.

The invention consists in the improved device and in the arrangement and combination of the parts thereof, as herein set forth and pointed out in the claim.

Referring to the accompanying drawings, in which similar letters of reference indicate corresponding parts in each of the several figures where they occur, Figure 1, represents a central vertical section of a cartridge embodying my improvement and Fig. 2, is a perspective view of the spreader. Fig. 3 is a perspective view of one of the partitions or sections of the spreader, in the form shown in Fig. 2.

In said drawings, *a* designates the shell of an ordinary cartridge, *b* the charge of powder, *c* the shot, *d*, the wad and *e*, is one form of my improved spreader.

I usually make the spreader of paste-board and of two pieces, each cut in the form shown in Fig. 3, with an opening, *f*, equal in width to the thickness and extending from one end to the center thereof, so that when pressed

together they are in the form shown in Fig. 2, and are ready for use. The fastening-pin, *e'*, may or may not be used. They are intended to fit the bore of the cartridge, or gun, and to rest upon the wad and are long enough to reach to the top or nearly to the top of said cartridge, or charge of shot, as the case may be. The spreader, in this form when placed in position divides or separates the shot into four compartments, *g*, the result of which is that when the gun is discharged the shot will scatter in every direction and cover a very large space, thereby doing greater execution than the ordinary cartridges.

Though the spreader in the form shown may be made very quickly and at a minimum of expense I do not limit myself to such form as they may be so made as to form a greater or lesser number of compartments as will be obvious; for example:—they might easily be made in three divisions, thus— \rangle , or in six divisions thus:— \ast , without departing from the spirit of the invention, as will be readily understood, and the several partitions may be secured by suitable adhesive material or be made of metal or other material.

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

In a cartridge, a shot spreader composed of a series of partitions intersecting with and crossing one another to divide the shot-space into a multiplicity of compartments, as described and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 7th day of November, 1893.

HENRY E. WINANS.

Witnesses:

OLIVER DRAKE,

FREDRICK E. SINNOCK.