

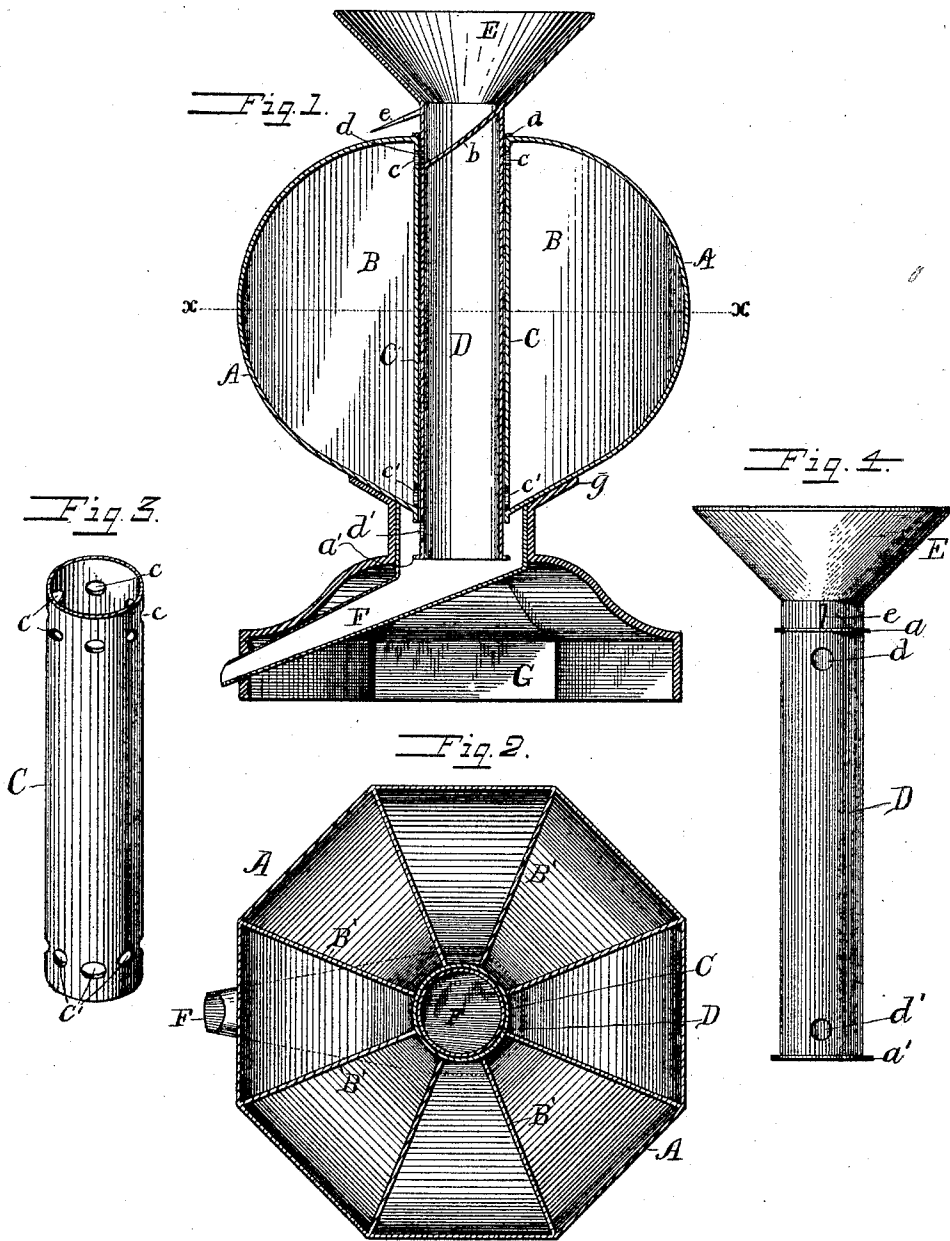
(No Model.)

I. H. WILLIS.

SHOT CASE.

No. 412,817.

Patented Oct. 15, 1889.



Witnesses:
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UNITED STATES PATENT OFFICE.

ISAAC H. WILLIS, OF MARCELINE, MISSOURI.

SHOT-CASE.

SPECIFICATION forming part of Letters Patent No. 412,817, dated October 15, 1889.

Application filed July 29, 1889. Serial No. 319,057. (No model.)

To all whom it may concern:

Be it known that I, ISAAC H. WILLIS, of Marcelline, Linn county, Missouri, have invented certain new and useful Improvements in Shot-Cases, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improvement in shot-cases; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a vertical sectional view of a shot-case embodying my improvements. Fig. 2 is a horizontal sectional view of the same, taken on the line *xx* of Fig. 1. Fig. 3 is a detailed perspective view of the outer cylindrical tube. Fig. 4 is a detailed elevation of the inner cylindrical tube.

The shot-case A, which is globular in form, and preferably octagonal in cross-section, has a number of compartments B, formed by a series of radial partitions B'. In the center of the case is a vertical tube C, which forms the inner sides of the compartments, and the said tube communicates with the compartments at its upper and lower ends by openings *c c'*, with which it is provided, the said openings being of different sizes corresponding with the different sizes of the shot to be contained in the case. The case is supported on a base G, which is preferably of octagonal shape and having at its center a vertical neck *g*, in the upper side of which the lower end of the case is inserted, as shown. A chute F extends from the neck through one side of the case, and is inclined, as shown. Fitting snugly in the tube C, and movable vertically therein, is a tube D, the vertical play of which is limited by flanges *a a'* at its upper and lower ends. This tube D has an opening *d* near its upper end and an opening *d'* near its lower end. At the upper end of the said tube is a funnel-shaped hopper E, the inclined bottom *b* of which communicates with the opening *d*. A pointer *e* projects from the said tube at a suitable distance from its upper end in line with the openings *d d'*, so that the position of the tube D can be determined at all times.

The operation of my invention is as follows: In order to get shot of a certain size into either of the compartments, the operator first lowers the tube until the flange *a* is in contact with the upper side of the case, and he then turns the said tube until the pointer indicates that the opening *d* is registering with the required opening *c*. The shot being then poured into the hopper find their way into the proper compartment, as will be readily understood. In order to obtain shot from any compartment, the operator first turns the tube D until the pointer indicates that its opening *d'* is in alignment with the opening *c'* of the required compartment, and he then raises the said tube until its lower flange *a'* is in contact with the bottom of the case. This brings the opening *d'* into coincidence with the opening *c'* of the compartment containing the required shot, and the latter immediately flow from the said compartment and are discharged by the chute F into any suitable receptacle.

Having thus described my invention, I claim—

1. The combination of the shot-case having the radial compartments, and the central tube provided at its upper and lower ends with openings communicating with said compartments, and the vertically-movable revoluble tube D, arranged in the central tube and having the openings at its upper and lower ends adapted to communicate with those of the compartments, and having the inclined chute *b*, registering with the opening at its upper end, substantially as described.

2. The shot-case having the radial compartments, and the central tube C, having openings *c c'* at its upper and lower ends into each of said compartments communicating with the upper and lower sides of the compartments, in combination with the vertically-movable tube D in said tube C, and having the hopper at its upper end, the opening *d*, forming the discharge of the hopper and adapted to register with either of the openings *c* when the tube D is lowered, and the opening *d'* at the lower end adapted to register with either of the openings *c'* when the tube D is raised, for the purpose set forth, and the discharge-chute F, attached to the shot-case and with which the lower end of

tube D communicates, substantially as described.

3. The shot-case having the radial compartments, and the central tube having openings
5 communicating with the upper and lower ends of the compartments, in combination with the vertically-movable revoluble tube D in the central compartment, and having the openings d d' , adapted to register with the upper
10 and lower openings in the central tube, respectively, when the tube D is lowered and

raised, the stops to limit its vertical play, and the hopper at its upper end communicating with the upper opening d , substantially as described.

In testimony whereof I affix my signature in
presence of two witnesses. 15

ISAAC H. WILLIS.

Witnesses:

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