

C. C. HILL & A. J. TAYLOR.

SHOT-CASE.

No. 172,314.

Patented Jan. 18, 1876.

FIG I

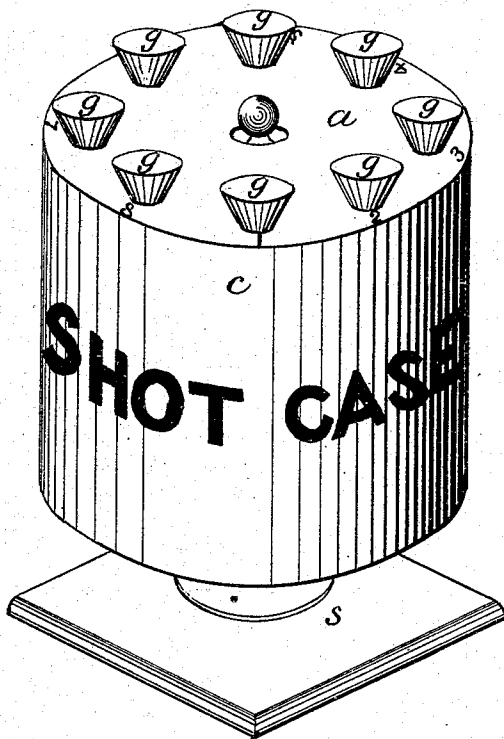


FIG II

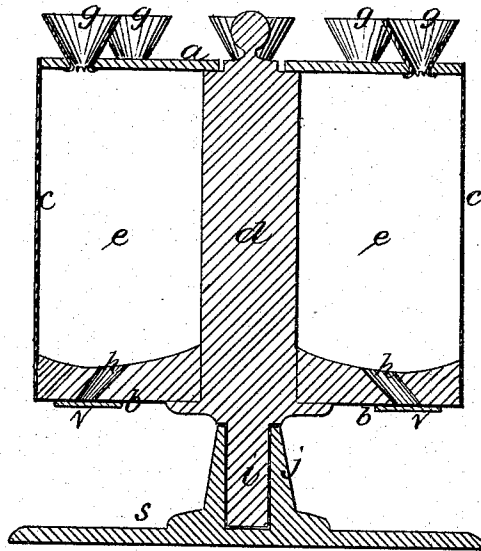


FIG III

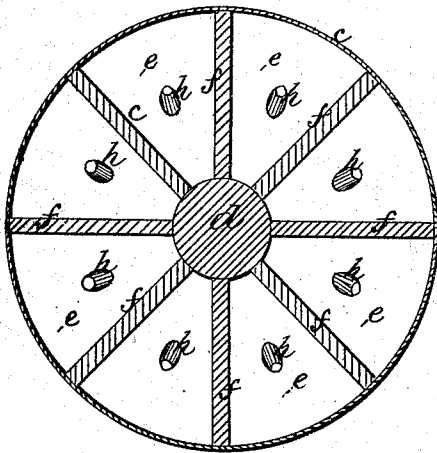
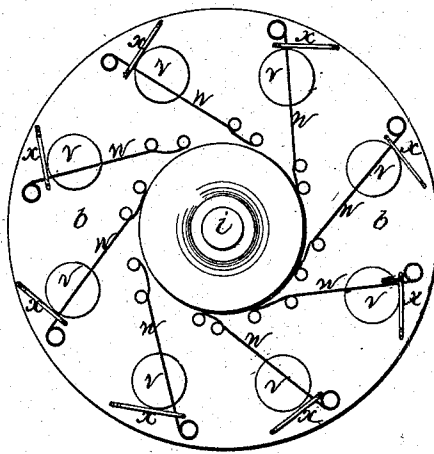


FIG IV



WITNESSES

John E. Laing,
J. H. Rutherford

INVENTORS

and Charles C. Hill,
Adoniram J. Taylor,
by Johnson and Johnson,
their Attorneys.

UNITED STATES PATENT OFFICE.

CHARLES C. HILL AND ADONIRAM J. TAYLOR, OF DE GRAFF, OHIO.

IMPROVEMENT IN SHOT-CASES.

Specification forming part of Letters Patent No. 172,314, dated January 18, 1876; application filed June 5, 1875.

To all whom it may concern:

Be it known that we, CHARLES C. HILL and ADONIRAM J. TAYLOR, of De Graff, in the county of Logan and State of Ohio, have invented certain new and useful Improvements in Shot-Cases; and we do hereby declare that the following is a full, clear, and exact description thereof, which 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 the letters of reference marked thereon, which form a part of this specification.

The object of our invention is to furnish a shot-case of such construction that the dealer can carry a stock of as many grades of shot as he may desire, sample each grade for inspection, and supply the purchaser from the bottom of the case by opening a spring-valve, thereby utilizing the weight of the shot to deliver it from the case, and from whatever compartment therein may be indicated by the number of the shot desired.

A rotatable case is formed into compartments, which are numbered, and supplied through hoppers on the cover, while the outlets at the bottom are inclined obliquely outward, so as to relieve the weight of the shot upon the spring-valves outside of the bottom plate, and prevent binding in and choking the outlets, the design being to form a very convenient shot-case, which may be revolved upon its socket-support to bring any one of the compartments in front of the dealer, and thereby give him easy access to all the compartments of the case; besides making it an ornament and of such size as to be kept within convenient distance of the scales, and high enough to project over small tea-scales for benefit in weighing shot while drawing out.

In the accompanying drawings, Figure 1 represents a view in perspective of a shot-case, embracing our invention; Fig. 2, a vertical section; Fig. 3, a horizontal section, and Fig. 4 a bottom view, with the base-plate removed.

The shot-case may be of cylindrical or other form, about eleven inches in height and fourteen inches in width, for ordinary size. It is composed of a case of sheet metal, *c*, with a cast-iron bottom, *b*, a cover, *a*, and a base cast-

iron stand, *s*, in a socketed stem, in which the case is supported. A strong central post, *d*, is firmly secured to the bottom plate *b*, and passes through an opening in the cover *a*, while the case is divided into a number of compartments, *e*, by radial divisions *f*, which also serve to brace the post and the case together, and give strength to the stand. Of the size of the case stated, each compartment will hold about twenty-five pounds, and each compartment is numbered upon the lower outer edge of the case directly over the springs to indicate the size of the shot. These divisions are secured to the case, the post, and the bottom plate, and are thereby kept firmly in place. Corresponding to each compartment the cover is provided with a funnel, *g*, through which to fill the several compartments, and in like manner the bottom plate *b* is provided with openings *h*, corresponding with the compartments through which to draw the shot. These openings *h* are covered by valves *v*, mounted upon spring-arms *w*, secured to the bottom plate, and working in stops *x*, by which the valves are supported and kept closely against the bottom plate, and to seal the openings against the pressure of the shot therein. To reduce this pressure, however, to the minimum, the openings *h* are inclined outward, so as to intercept the vertical pressure, and thereby relieve the valves, so that they will maintain their proper working condition. The inclination of the openings also affords the advantage of directing the shot outward toward the circumference of the case into the scoop, by simply pushing the spring-valve to one side with the thumb or finger; the inclination also prevents the shot from binding in the openings. By this construction of a compartment-case with valved inclined openings, the shot is delivered by its own weight by simply opening the proper valve. This is of very great advantage over the old box-cases and shot-jars. The bottom surfaces of the compartments are made concave, to facilitate the discharge of the shot. Any one of the compartments can be reached upon the counter and the shot received therefrom without inconvenience, but the case can be easily revolved upon its central stem *i*, in the base-socket *j*, for this purpose. The bottom plate has a central stem,

i, fitted to be revolved within a deep socket, *j*, in the base. In such construction, however, the base should be sufficiently firm to prevent the case from turning over in the event of drawing all the shot from one side, or the base may be screwed to the floor. The valved bottom is sufficiently elevated above the base to give ample room to receive the shot from the valved openings at the circumference of the case.

We are aware that a tea canister has been provided with compartments, and suitable means for filling them near the top, and also with means for drawing off the contents at their bottom parts, and that such receptacle is arranged to be turned upon a stand that any one of the compartments may be reached, but by our improvements we obtain a specific construction of case adapted to carry and deliver shot.

The following is claimed as new in shot-cases, namely—

1. A rotatable compartment shot-case, having a cast-iron bottom, *b*, mounted upon a base, *s*, each compartment *e* being provided with a top funnel, *g*, and bottom outlet *h*, closed by a spring-valve, *v*, operated at the circumference of the case and above the base, substantially as herein set forth.

2. The bottom *b*, having the outlet-openings *h*, inclined toward the circumference of the case, in combination with spring-valves *v*, carried by the bottom plate and adapted to deliver the shot by its own weight obliquely from the case, and thereby relieve the valves from weight, as herein set forth.

In testimony that we claim the foregoing as our own, we have affixed our signatures in presence of two witnesses.

CHARLES C. HILL.
ADONIRAM J. TAYLOR.

Witnesses:

F. P. SAGER,
GEO. W. SANDERS.