(No Model.) 2 Sheets—Sheet 1.

B. F. WOFFORD & L. W. BLACKWELL.

MEASURING SHOT CANISTER.

No. 424,156. Patented Mar. 25, 1890.

Fig. 1.

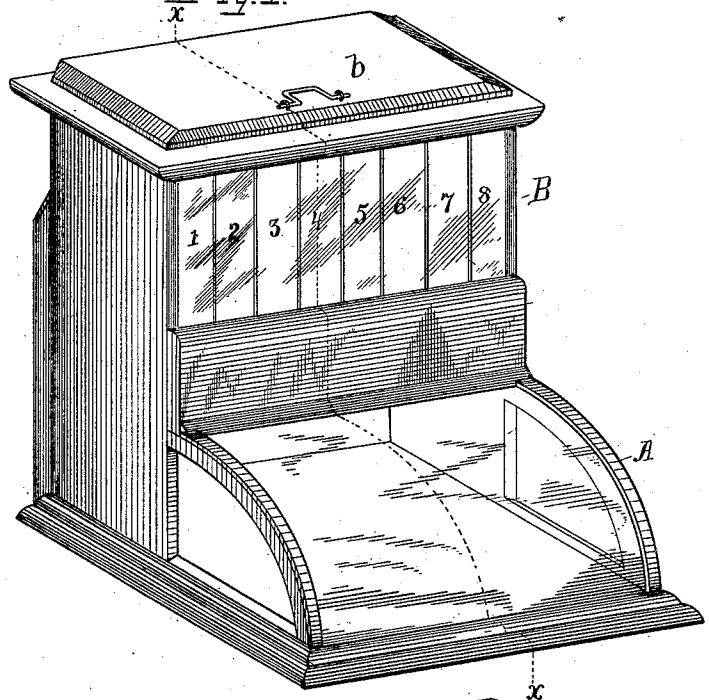


Fig. 3.

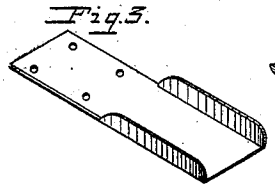
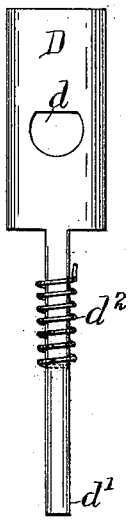


Fig. 2.

Fig. 4.



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(No Model.) 2 Sheets—Sheet 2.

B. F. WOFFORD & L. W. BLACKWELL.

MEASURING SHOT CANISTER.

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Fig. 5.

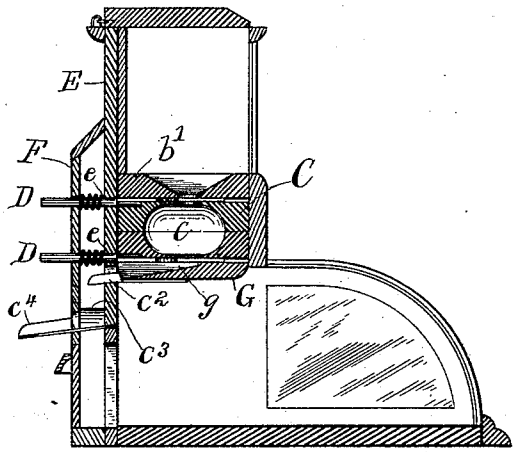


Fig. 6.

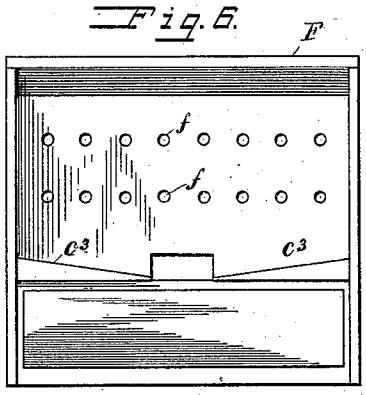


Fig. 7.

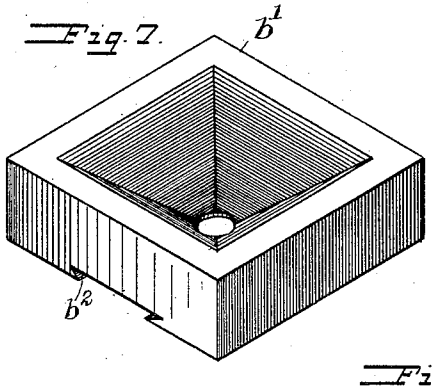


Fig. 8.

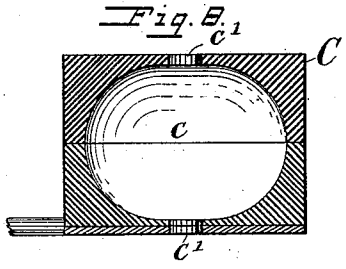
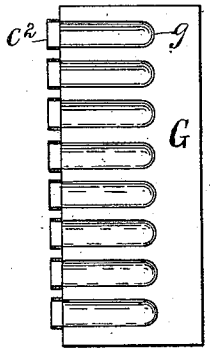


Fig. 9.



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UNITED STATES PATENT OFFICE.

BENJAMIN FRANKLIN WOFFORD AND LEWIS WITHERS BLACKWELL, OF HARTMAN, ARKANSAS.

MEASURING SHOT-CANISTER.

SPECIFICATION forming part of Letters Patent No. 424,156, dated March 25, 1890.

Application filed July 3, 1889. Serial No. 316,428. (No model.)

To all whom it may concern:

Be it known that we, BENJAMIN FRANKLIN WOFFORD and LEWIS WITHERS BLACKWELL, citizens of the United States, residing at Hartman, in the county of Johnson and State of Arkansas, have invented certain new and useful Improvements in a Shot-Case; and we do 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 the letters of reference marked thereon, which form a part of this specification.

Our invention has relation to shot-cases; and it consists in the novel construction and arrangement of its parts. It is a case which may or may not be made in connection with a show-case, and has several compartments for holding shot of various sizes, and underneath each is a measure provided with suitable cut-offs, troughs, and spouts for depositing the shot into a receiver, all of which is hereinafter fully described.

In the accompanying drawings, Figure 1 is a perspective front view of our invention. Fig. 2 is a perspective rear view of our invention. Figs. 3 and 4 are detail views. Fig. 5 is a sectional view of Fig. 1 cut on the line $x\,x$. Fig 6 is an inside view of the outer back F. Figs. 7, 8, and 9 are detail views.

Our invention is described as follows:

A represents a show-case, upon which our shot-holder is usually mounted.

B represents the shot-holder, and b the lid, hinged on the top thereof. The said shot-holder contains several compartments 1 2 3 4 5 6 7 8, or more, for holding different-sized shot, the front part of which is glass, so that the shot may be seen. The bottom of each compartment is a hopper b', for guiding the shot into the measure C immediately beneath it. Said hopper has cut in its bottom a longitudinal dovetail slot b^2. Said dovetail slot is provided with a cut-off D, which cut-off has in its center a perforation d, which corresponds to the opening in the bottom of the said hopper. Said cut-off is also provided with an arm d', which extends outwardly through the perforations e and f through the inner and outer backs of the case. The arm of the said cut-off is encircled by a spiral spring d^2, the inner end of which fits into and against the outer face of the inner back E, while its outer end is fitted into the said arm, so that when said cut-off is in position it is all the time pressed outwardly by means of said spiral spring, and the shot is constantly cut off from falling into the measure C, except when the said cut-off is pushed inwardly, and when so pushed inwardly its perforation comes immediately under the opening in the said hopper and the shot pours into the said measure C until it is full, and the said cut-off is then turned loose, when the said spring immediately pushes it out again, and the shot is again cut off. (See Fig. 5.)

In our invention the cavity c in the measure is made oval, so that every shot will run to the bottom perforation c' and out into the spout c^2, thence into the troughs c^3, attached to the inner face of the outer back F, thence to the main spout c^4, which conducts them into a receiver. The cavity c is made just large enough to hold one pound of shot; but of course it may be made smaller or larger, if deemed necessary. The bottom side of said measure C is provided with a longitudinal dovetail slot exactly similar to that in the bottom of the hopper, and is provided with a cut-off exactly similar to the cut-off D, and with a similar spiral spring d^2, which operates exactly in the same way as said cut-off D operates. Each compartment is provided with a hopper, cut-off, measure, and cut-off exactly similar to those just above described, each cavity c, however, being made just large enough to measure one pound of shot whatever number the shot may be. There are as many spouts c^2 (see Fig. 9) as measures, which are fitted into as many dovetail openings g in the bottom plate G, which fits immediately under said measure and extend out through as many openings c^3 through the inner back E, arranged to pour the shot in the troughs c^3, attached to the inner face of the outer back F. These troughs c^3 incline downwardly until they meet the maim spout c^4, above mentioned.

The operation of our invention is so simple that it may be easily understood; but we will describe the operation of one compartment, all the others being exactly like it and operating in the same way. The compartment 1 being full of shot No. 1 and the cut-offs D being out in their normal positions, it is ready for use. The upper cut-off is pushed in—the shot immediately runs into and fills cavity *c*, which holds just one pound. The cut-off is then let loose, when it is immediately thrown out into its normal position by the spring d^2, and the shot is cut off from above. Then the lower cut-off is pushed in. The shot in cavity *c* then immediately runs into the spout c^2; thence into one of the troughs c^3, and thence in and out of the spout c^4.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A shot-holder consisting of several compartments, as described, each compartment being provided with a hopper b', having in its bottom the dovetail slot b^2, cut-off D, having the opening *d*, arms d', and spiral spring d^2, measure C, having the cavity *c* and upper and lower openings c', said measure being provided with a dovetail slot, cut-off, and spring exactly similar to that of the hopper b', spout c^2, fitted in the bottom plate G, conducting the shot into one of the troughs c^3, whence they are conducted to and out of the spout c^4.

2. A shot-holder having several compartments, each having a hopper, measure, cut-offs, and spout, as described, the inner back E, having the perforations *e*, for holding the arms d' of the cut-off D in position, and being a bearing for the inner ends of the spring d^2, bottom plate G, holding the spouts c^2, outer back F, having the perforations *f*, being additional guides for the arms d', and having the troughs c^3 secured to its inner face, and spout c^4, all substantially as shown and described, and for the purposes set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

BENJAMIN FRANKLIN WOFFORD.
LEWIS WITHERS BLACKWELL.

Witnesses:
C. H. WOFFORD,
J. W. WEHUNT.