(No Model.)

R. WIND.

SHOT CASE AND MEASURE.

No. 533,835. Patented Feb. 5, 1895.

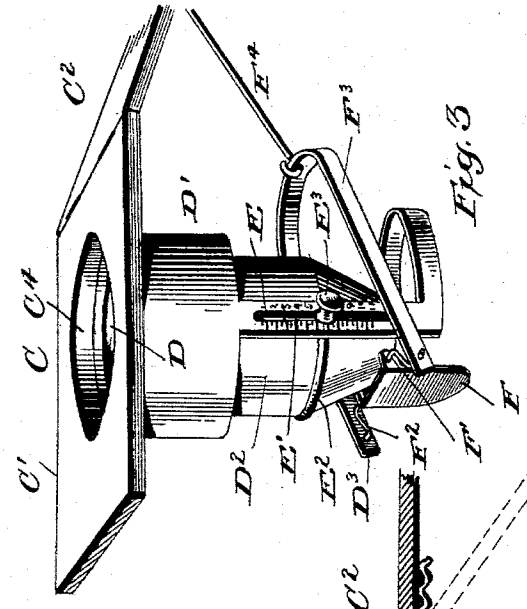

Fig. 3.

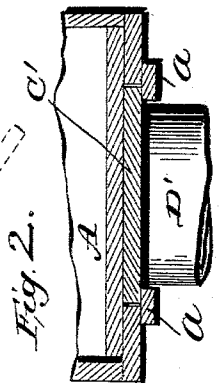

Fig. 2.

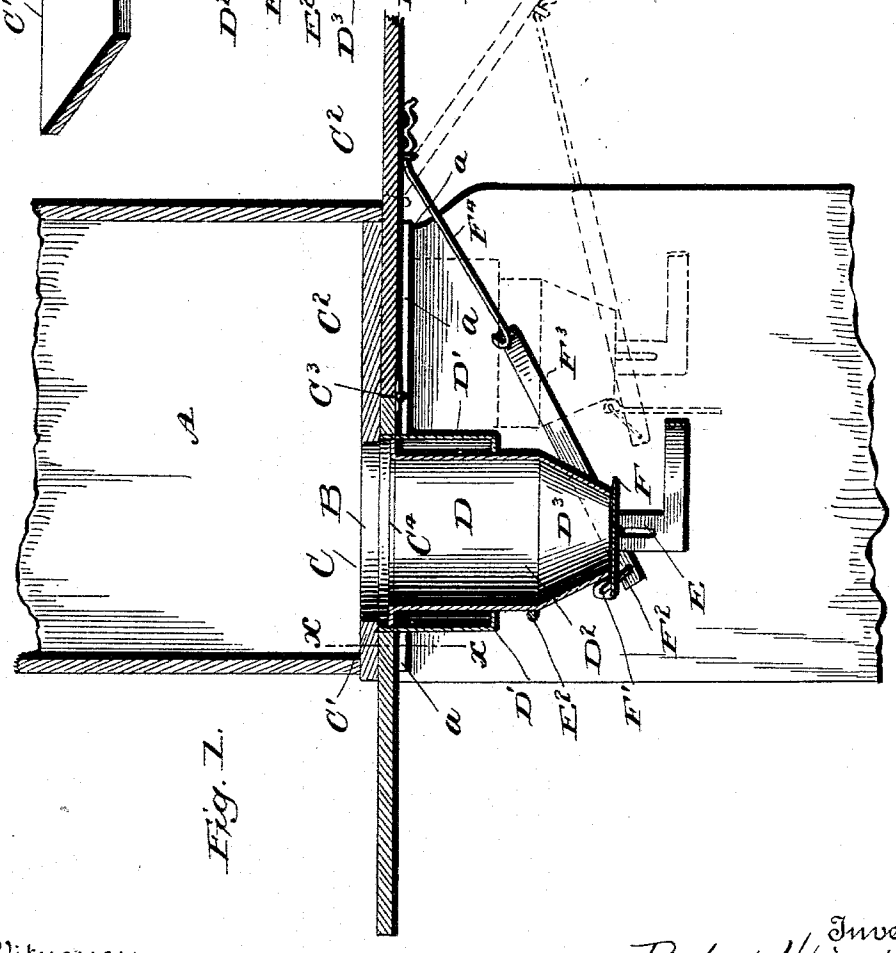

Fig. 1.

Witnesses
L. C. Hills
A. L. Hough

Inventor
Robert Wind,
by Franklin N. Hough
Attorney

UNITED STATES PATENT OFFICE.

ROBERT WIND, OF TALBOTTON, GEORGIA, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO FRANKLIN H. HOUGH, OF WASHINGTON, DISTRICT OF COLUMBIA, AND EDWARD C. GOODWIN, OF WORCESTER, MASSACHUSETTS.

SHOT CASE AND MEASURE.

SPECIFICATION forming part of Letters Patent No. 533,835, dated February 5, 1895.

Application filed March 13, 1894. Serial No. 503,459. (No model.)

To all whom it may concern:

Be it known that I, ROBERT WIND, a citizen of the United States, residing at Talbotton, in the county of Talbot and State of Georgia, have invented certain new and useful Improvements in a Combined Shot Case and Measure; and I 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.

This invention relates to certain new and useful improvements in shot receptacles and measuring apparatus for use by merchants in selling shot, and it has for its object to provide in combination with a suitable hopper or chamber within which the shot are kept in storage, an adjustable measuring device provided with mechanism whereby the measure may be readily withdrawn when filled and returned for refilling, the outlet of the measure being provided with an automatically operated valve which while normally held in a closed position, will, when the measure is withdrawn from beneath the shot chamber or receptacle, be automatically opened to discharge the shot contained in the measure.

To these ends and to such others as the invention may pertain the same consists in the peculiar construction, and in the combination, arrangement and adaptation of parts, all as more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claims.

The invention is clearly shown in the accompanying drawings, which, with the letters of reference marked thereon form a part of this specification, like letters of reference indicating the same parts throughout the several views, and in which drawings—

Figure 1, is a perspective view of a shot-receptacle and measuring device embodying my improvements. Fig. 2, is a section on the line *x*, *x* of Fig. 1. Fig. 3 is an enlarged detail in perspective of the slide with the measure attached, showing the valve open.

Reference now being had to the details of the invention by letter A designates a suitable chamber or receptacle within which may be stored shot or other articles of a like nature which it is proposed to keep in stock, to be sold by either weight or measure. The bottom of this chamber is provided with a suitable opening B, which is closed by a slide C working in suitable guides formed by the strips *a*, *a* upon the under side of the bottom of the receptacle.

The slide C, is made in two hinged sections C′ and C^2, connected together at their adjoining ends by suitable hinges C^3. The portion C′ of the slide is provided at a point adjacent to its outer or hinged end, with an opening C^4 corresponding in size and form with the opening B in the bottom of the receptacle A, with which opening, when the slide is moved inward to its extreme limit the opening C^4 registers. Fitted within the opening C^4 of the slide, and secured therein, is the upper end of the measure D, which consists of the sheet-metal upper portion D′, which is provided with a telescoping inner portion D^2, said telescoping section of the measure being provided with a contracted or hopper shaped lower end, as shown at D^3.

The body portion D′ of the measure D is provided upon opposite sides with depending arms E, which arms are provided with vertical slots E′, through said slots being passed the outer ends of the wire E^2, which wire is passed around one half of the circumference of the movable portion D^2 of the measure, and at its longitudinal center is soldered or otherwise secured thereto. The outer ends of the said wire E^2 are provided with buttons or handles E^3 whereby the said portion D^2 of the measure may be moved up or down, so as to increase or diminish the capacity of the measure; as is determined by reference to the indicating marks shown. The movable section of the measure will at all times be held in its adjusted position by the tension of the spring wire E^2, it being necessary to

relieve the said tension of the wire by pressing inward upon the handles or buttons E^3, in changing the point of adjustment.

The valve F is hinged at one of its outer edges to the longitudinal center of a rock-shaft F′, which shaft is journaled in suitable bearings provided at the lower end of the hopper shaped outlet at the lower end of the measure, the crank F^2 at the outer end of the shaft being journaled in the free ends of the curved strip F^3, said curved strip being connected with the hinged portion C^2 of the slide C, by means of arm or wire F^4, hinged at its ends to the under side of the slide section and to the curved strip respectively, as shown.

The operation of the device is simple and will from the foregoing description be readily understood. The slide is normally kept at the innermost limit of its movement, as shown in Fig. 1 of the drawings, and when in this position the open upper end of the measure will register with the opening in the bottom of the receptacle A. When it is proposed to empty the contents of the measure it is only necessary to withdraw the slide, carrying with it the measure. As soon as the slide in its outward movement has passed far enough to clear the hinged section C^2 from the guide-way within which the slide moves, the said section will drop by gravity, thus automatically opening the valve at the lower end of the measure, through the instrumentality of the rock shaft and its connections. It will be seen that when the slide is again moved inward the valve will in like manner be automatically closed.

While I have shown but a single shot receptacle, it is at once evident that they may be arranged in a series, if desired, thus providing within a single case receptacles for the several different sizes of shot.

I do not desire in this application to limit myself to the precise form of slide or valve, or the connections employed whereby the valve is automatically operated by the movements of the slide, as it is evident that these may be varied within certain limits, without departing from the spirit of my invention.

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

1. In combination with the slide composed of two hinged sections, a measure carried by one of the sections, a hinged valve in the measure, and connections interposed between said valve and the other section of the slide whereby the valve will be operated by the movement of the slide, substantially as described.

2. In combination with the two part hinged slide, one part of the slide carrying a measure, a hinged valve controlling the outlet of the measure, the rock-shaft carrying the valve and connections interposed between the said shaft and the other section of the hinged slide, whereby the valve will be actuated by the turning of said section of the slide upon its hinges, substantially as specified.

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

ROBERT WIND.

Witnesses:
JOHN H. MCGEHEE,
W. J. BAINES.