

H. C. WEY.
Cut-Off for Shot-Boxes.

No. 162,326.

Patented April 20, 1875.

Fig: 1.

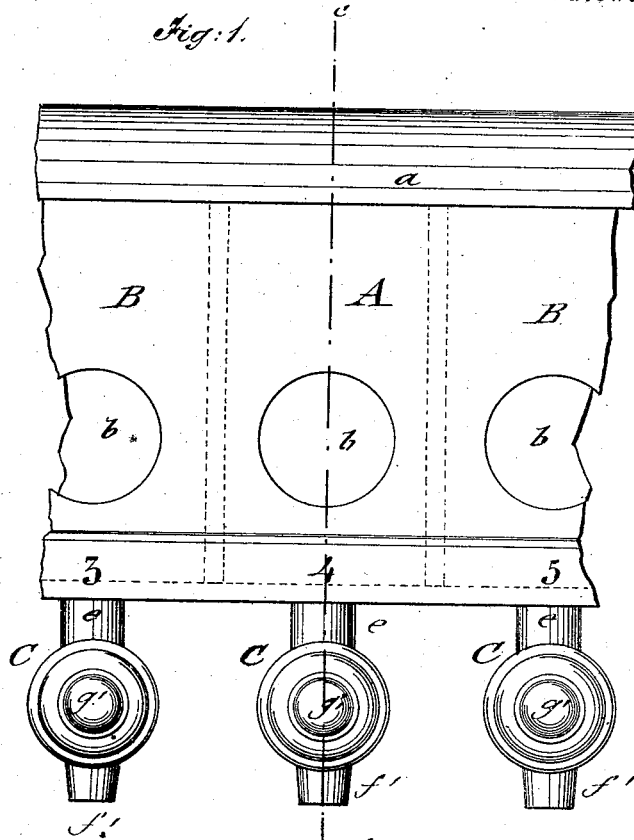


Fig: 3



Fig: 4.

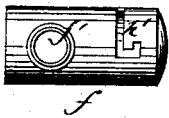
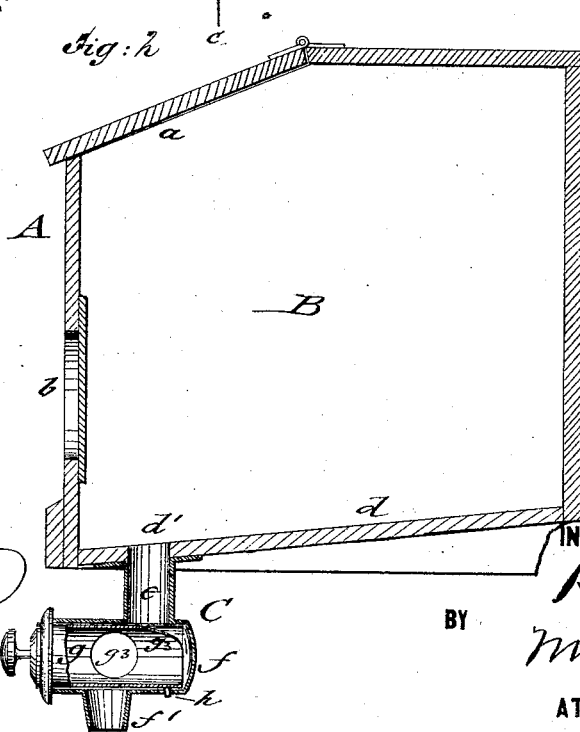


Fig: 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

HERMAN C. WEY, OF HIAWATHA, KANSAS.

IMPROVEMENT IN CUT-OFFS FOR SHOT-BOXES.

Specification forming part of Letters Patent No. **162,326**, dated April 20, 1875; application filed January 30, 1875.

To all whom it may concern :

Be it known that I, HERMAN C. WEY, of Hiawatha, in the county of Brown and State of Kansas, have invented a new and Improved Shot-Box, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front elevation of a shot box provided with my improved valve mechanism; Fig. 2, a vertical transverse section of the same on the line *c c*, Fig. 1; and Figs. 3 and 4 are, respectively, detail side and bottom views of the interior and exterior valve or cut-off parts.

Similar letters of reference indicate corresponding parts.

The invention consists in valve or cut-off devices for drawing off the contents of shot or powder boxes, which will be hereinafter fully described, and pointed out in the claim.

In the drawing, A represents a box for powder, shot, or other material, which is made with any desired number of compartments, B, of suitable size, according to the number of different qualities or sizes of shot, &c. The compartments B are provided with a hinged lid, *a*, and glass-covered front apertures *b*, for indicating at any time the size and quantity of shot contained therein, and an inclined or hopper bottom, *d*, for conveying the contents toward the lower front part of the box. Each box is numbered for designating exactly the different grades contained therein. The bottom of each compartment B is provided, near the front or lowermost part thereof, with a valve or cut-off, C, which is suitably applied thereto, and corresponds with a perforation, *d'*, of the bottom. The valve C is made of a vertical connecting-tube, *e*, having a horizontal guide-cylinder, *f*, open at the front, and a bottom spout, *f'*. An interior cylindrical tube, *g*, fits into guide cylinder or casing *f*, and closes the same by its flanged face part, which is pro-

vided with a button or knob, *g'*, for turning or sliding the tube *g* readily therein. The interior cut-off tube *g* has a rear recess, *g''*, which fits the opening of the connecting-tube *e*, and a side aperture, *g'''*, fitting on the spout *f'*, being so arranged that when aperture *g'''* is placed over the spout the rear part of the tube communicates with the bottom aperture, and conveys quickly and freely the contents of the compartment to the spout for being discharged. By turning the inner tube the connection is cut off, as spout and connecting-tube are closed by the inner tube *g*. A lug, *h*, of the inner tube *g* slides in an L-shaped guide-slot, *h'*, of the outer casing *f*, and defines thereby the open position of the valve when at one end of the slot, while producing the closed position at the other end by pushing back and turning the lug into the rectangular part of the slot, (shown in Fig. 4,) so as to secure the locking of the valve, and prevent any one not familiar with the working of the same from meddling with it, and from spilling shot, &c., in consequence of it. The opening of the valve is accomplished by reversing the turning and sliding motion of the valve, so that in an instant any desired quality of shot, powder, or similar material may be drawn from the box.

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

In shot-boxes, the discharge-valve or cut-off attached to the perforated hopper-bottom, and consisting of an outer guide-casing with spout, and an inner turning and sliding recessed tube, adjusted by lug and guide-slot to the open and closed position of the valves, substantially as shown and specified.

HERMAN C. WEY.

Witnesses:

W. H. WOOD,
J. P. MULHOLLEN.