I. D. PECK.

Measuring Receptacle.

No. 227,919. Patented May 25, 1880.

Fig. 1.

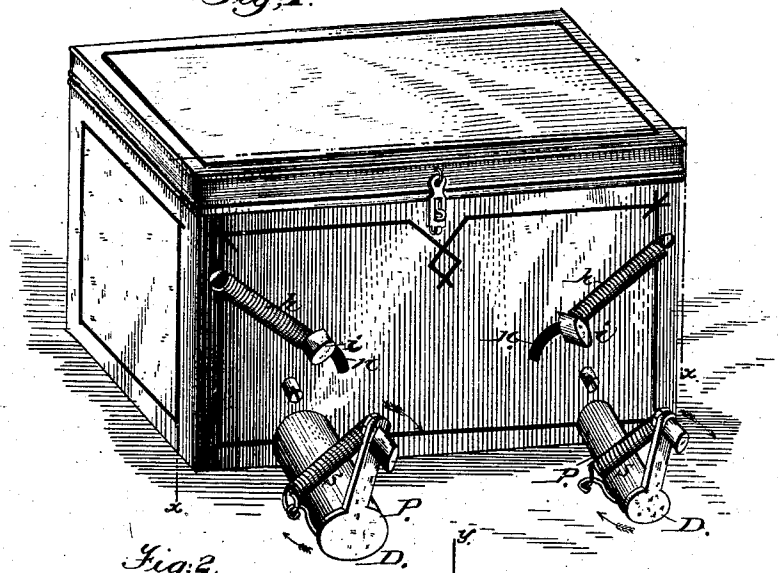


Fig. 2.

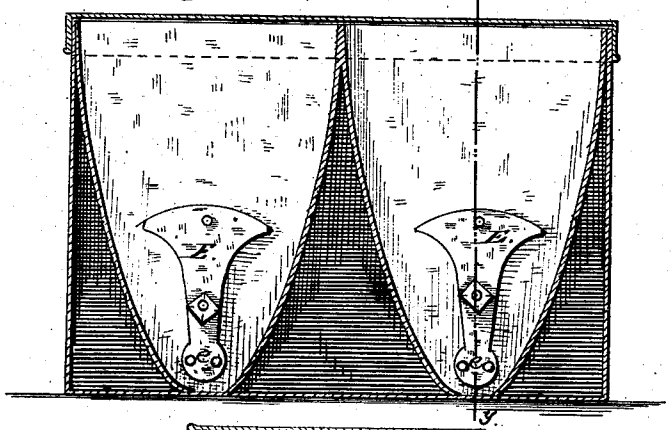
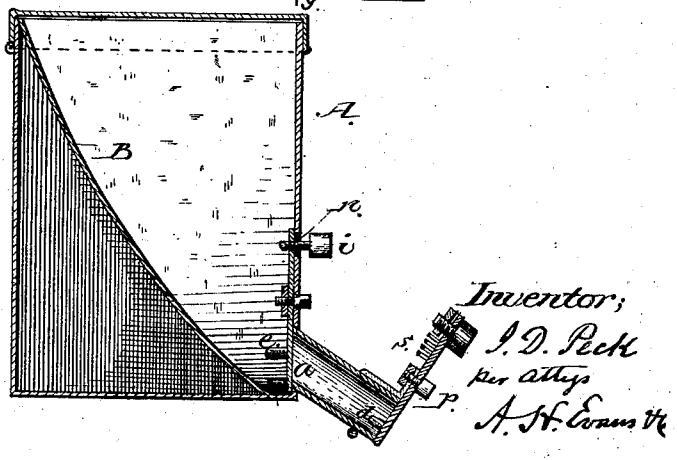


Fig. 3.



Attest

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ISAAC D. PECK, OF BEDFORD, IOWA, ASSIGNOR OF ONE-HALF OF HIS RIGHT TO EDWIN HOUCK, OF SAME PLACE.

MEASURING-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 227,919, dated May 25, 1880.

Application filed February 24, 1880.

To all whom it may concern:

Be it known that I, ISAAC D. PECK, of Bedford, in the county of Taylor and State of Iowa, have invented a new and Improved Measuring-Magazine; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of my invention. Fig. 2 is a vertical longitudinal section; Fig. 3, a verticai cross-section of the same.

My invention relates to receptacles or magazines to hold articles designed to be withdrawn in given quantities from time to time. I particularly contemplate its use as a magazine to contain gunpowder, and by measuring it directly from the magazine I avoid having to expose it in weighing it. Of course it may be used to contain a variety of articles without departing from the spirit of my invention.

My invention consists in a receptacle divided into a number of compartments, each compartment being provided with a drawing-off pipe made of a given capacity, so as to form also a measuring device. This drawing-off device is closed at its outer end and inner end by cut-off valves, both standing closed in their normal condition, and operated as hereinafter more fully described and claimed.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A is a receptacle, divided at its center by a partition, B, the bottom of each compartment gradually contracting to an opening, *a*, at the lower edge of the front of the casing.

Projecting from the front of the casing, and covering openings *a a*, are two pipes, P P, of any predetermined holding capacity, and covering their outer ends are cut-off valves D D, swinging on pivots *p p* and automatically closed by springs *s s*, which retract the valves until a stop, *d*, projecting from their faces inwardly, strikes the sides of the pipes. The stops *d d* limit the motion of the valves, so they cannot pass out of contact with the ends of the pipes.

Inside the compartments the openings to the pipes are closed by cut-off valves E E, pivoted to the casing, and having thumb-pieces *i* attached and projecting through curved slots in the casing, by which the valves may be opened. The springs *h*, attached to the casing and the thumb-pieces, serve to keep the valves E E closed. The curved slots *n n* limit the movement of the thumb-pieces, and through them control the valves E.

From the lower portion of the inner faces of the valves E project studs or pins *e e*, which serve to stir and loosen up the contents of the compartment, so it will run freely.

When it is desired to draw any desired quantity from the receptacle, valve E is opened and pipe P fills up. Then valve E is closed and valve D is opened, and the desired amount runs from the pipe.

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

In a measuring-receptacle, a series of compartments and a series of measuring-pipes, P P, in combination with a series of interior valves, E, provided with springs *h* and studs *i*, projecting through slots *v*, and a series of independent exterior valves, D, provided with springs *s* and stops *d*, all constructed and arranged as set forth.

ISAAC D. PECK.

Witnesses:
W. F. EVANS,
L. N. LEWIS.