J. C. REED.

Measuring-Caddies.

No. 199,933. Patented Feb. 5, 1878.

Fig. 1.

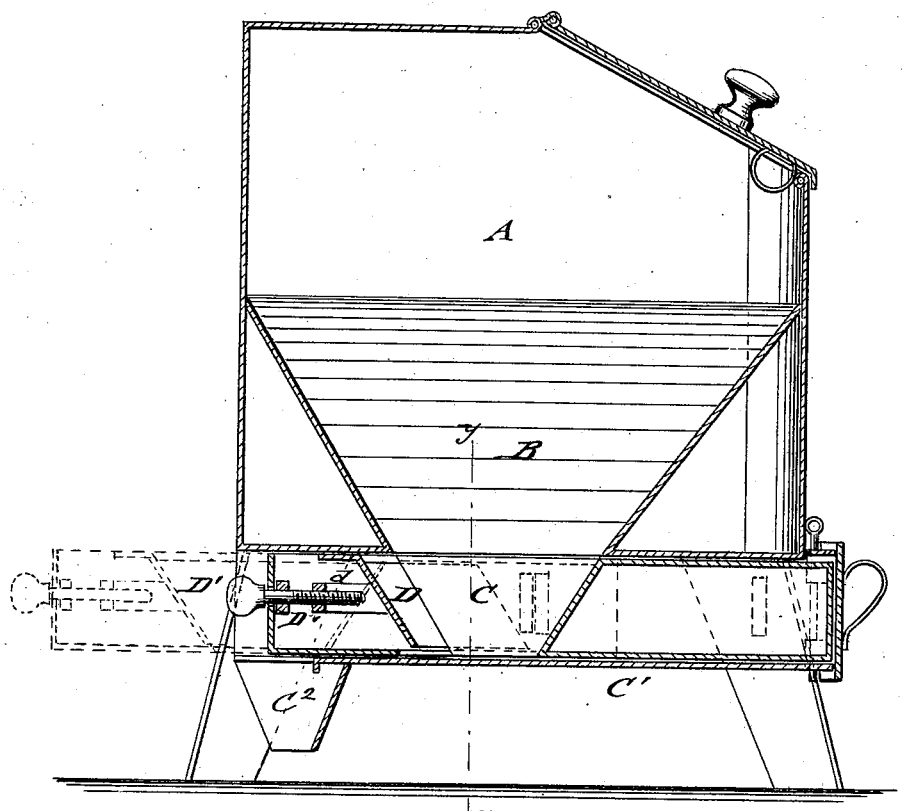
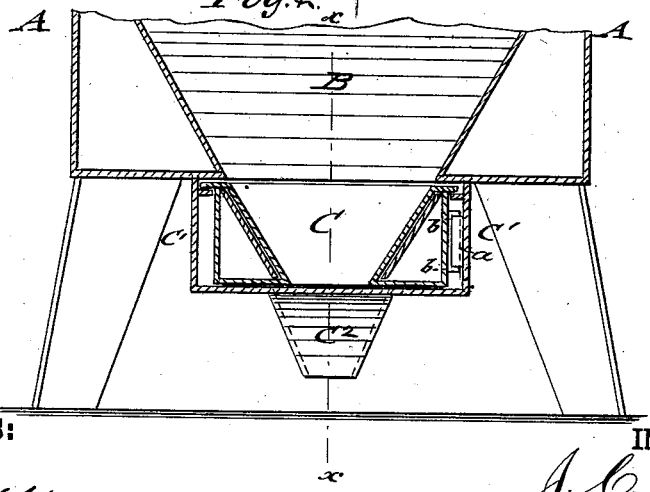


Fig. 2.



WITNESSES:

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JAMES C. REED, OF DE WITT, IOWA.

IMPROVEMENT IN MEASURING-CADDIES.

Specification forming part of Letters Patent No. **199,933**, dated February 5, 1878; application filed June 25, 1877.

To all whom it may concern:

Be it known that I, JAMES C. REED, of De Witt, in the county of Clinton and State of Iowa, have invented a new and Improved Measuring-Caddy, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical longitudinal section of my improved measuring-caddy, taken on line *x x*, Fig. 2; and Fig. 2 is a vertical transverse section of the same on line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish for groceries, tea and coffee stores, and for other purposes, an improved measuring-caddy, by which small quantities of tea, coffee, spices, and similar articles may be measured rapidly at a saving of time and help, and without the use of weights and scoop, the goods being kept closed up, so as to retain their flavor and strength.

The more accurate and uniform mode of measuring produces, besides the saving in time, also a saving in measuring, as compared to the loose and careless way in ordinary weighing.

The invention consists of a caddy or other receptacle with hopper-shaped bottom, and with a sliding hopper-shaped receptacle below the same, that is adjusted in size to the weight of the material to be measured by means of a movable end wall and adjusting-screw. When the sliding bottom is drawn back to discharge the quantity measured therein the bottom opening of the caddy is closed by the solid front part of the sliding bottom.

In the drawing, A represents a caddy-box, drum, or other receptacle for coffee, tea, spices, and similar articles.

The receptacle A is provided with a top lid and hopper-shaped bottom, B, that opens by its mouth into a sliding bottom measure, C, also of hopper shape, that registers with the bottom opening of the receptacle A.

The sliding bottom measure C is guided in a suitable casing, C^1, at the bottom of the caddy, being stopped in one direction by the hinged and locked face-door of the guide-casing, and when drawn back in opposite direction by a side stop, *a*, of the casing engaging a stop or shoulder, *b*, of the sliding bottom.

The size of the hopper-shaped measuring part of the sliding bottom C may be made larger or smaller by means of a sliding rear wall and sides, D, that is adjusted by a set-screw, D′, turning in the rear end of bottom C and in the threaded hole of a **U**-shaped support, *d*, of the movable wall D, as shown in Fig. 1.

The sliding bottom C is taken out and placed on a scale or balance, and there adjusted by the movable rear wall to the quantity to be measured, whether one-fourth, one-half, or one pound, by placing the coffee, tea, or other article with which the caddy is to be filled into the measuring-bottom until the accurate quantity is obtained. The sliding measure is then replaced and pushed into the casing up to the front door, the caddy being then filled with the article to be measured therefrom. The measuring portion of the bottom C is filled automatically from the caddy through the registering-bottom aperture, and the exact quantity required taken up therein. By drawing back the bottom C the solid front portion of the same acts as a cut-off to the caddy, so as to close the bottom aperture of the same, while the hopper-opening of the measuring portion registers with a discharge-spout or hopper, C^2, at the rear part of the guide-casing C^1, and conducts the quantity measured off into the bag or other package. The bottom is then pushed in again, and thereby filled from the caddy, so that the quantity to which the bottom measure is adjusted may be furnished in quicker and as reliable manner as with the scales at present in use.

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

1. The combination, with the discharge-opening of a caddy or other receptacle having bottom guide-casing with rear spout, of a sliding bottom, having adjustable measuring

portion and solid cut-off front portion, to discharge the quantity measured off and close bottom opening of caddy, substantially as specified.

2. The sliding bottom C, guided in bottom casing of caddy or other receptacle, and having solid front portion, acting as cut-off, and a hopper-shaped measuring portion, in combination with a sliding rear wall and side guide-walls, and an adjusting-screw to set hopper portion to any desired weight to be measured, substantially as set forth.

JAMES C. REED.

Witnesses:
J. C. BENEDICT,
W. R. ENGLISH.