

(No Model.)

2 Sheets—Sheet 1.

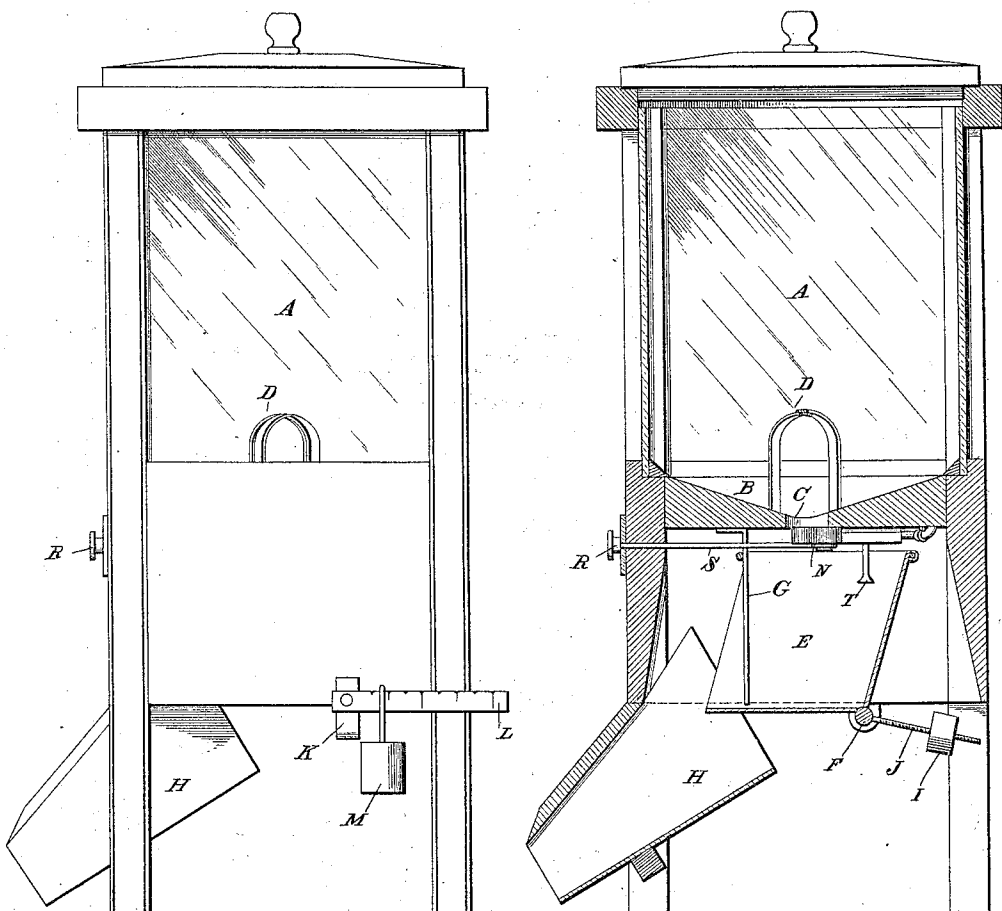
J. T. WHETSTINE & T. C. BAKER.
COMBINED SCALE AND COFFEE CASE.

No. 528,052.

Patented Oct. 23, 1894.

Fig. 1.

Fig. 2.



Witnesses

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Fred C. Baker.

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(No Model.)

2 Sheets—Sheet 2.

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Fig. 3.

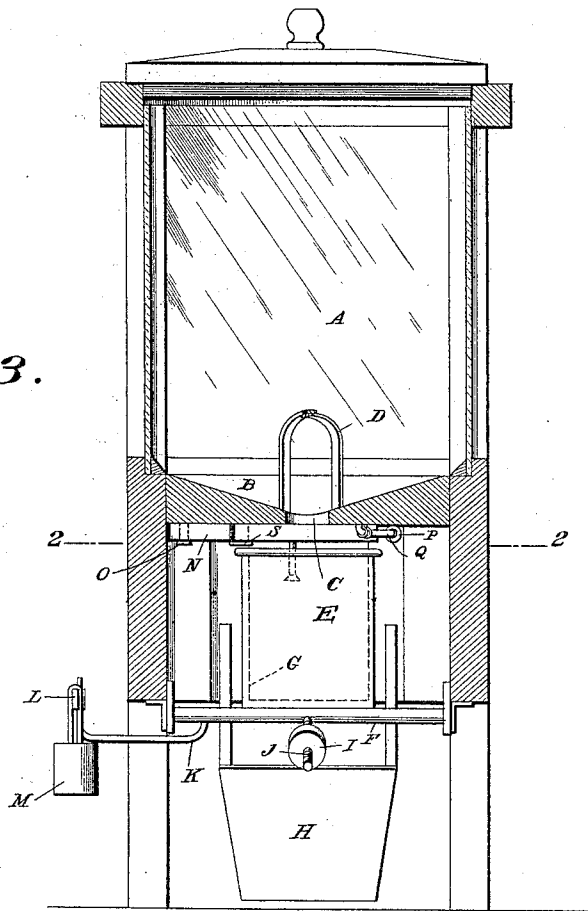
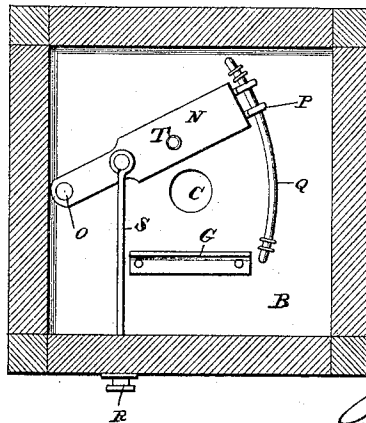


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN T. WHETSTINE AND THOMAS C. BAKER, OF WASHINGTON, KANSAS.

COMBINED SCALE AND COFFEE-CASE.

SPECIFICATION forming part of Letters Patent No. 528,052, dated October 23, 1894.

Application filed May 17, 1894. Serial No. 511,611. (No model.)

To all whom it may concern:

Be it known that we, JOHN T. WHETSTINE and THOMAS C. BAKER, citizens of the United States, residing at Washington, Washington county, and State of Kansas, have invented a new and useful Combined Scale and Coffee-Case, of which the following is a specification.

Figure 1 is a side elevation of a machine to which our improvements have been applied. Fig. 2 is a central vertical section of the same. Fig. 3 is a central vertical section, taken at right angles from that of Fig. 2. Fig. 4 is a horizontal cross section on the line 2 of Fig. 3, looking upward.

The object of our invention is to provide a case, canister or other receptacle with an automatic weighing and delivery apparatus.

For this purpose our invention consists of the following construction and combination of parts, the features of which will first be fully described, and the points of novelty then indicated and claimed.

In the drawings—A represents a receptacle preferably provided with glass sides and a removable top.

B is the bottom of the receptacle having a concave surface, and a central discharge orifice C surmounted by a skeleton frame-work D, serving to prevent the impact of the contents from wedging about the discharge C and preventing the free flow of the material therethrough.

E is the receiving can or box pivotally hung upon a shaft F. The front of this box is open, but is closed by a permanent vertical partition G, the other sides of the box being closed as shown.

The box E is capable of dumping the contents received from above into a chute H for delivery into the receptacle or package in which the sale is made.

Normally the swinging box or hopper E is kept in a horizontal position as shown in Fig. 2, by a preponderating weight I adjustably secured to a projecting arm J. In addition to the set-weight I is a curved bar K, the inner end of which is rigidly secured to the shaft F, upon which the box E tilts, said bar projecting outwardly alongside the case and being

provided with a scale-beam L. This beam has the usual graduations marked thereon and a sliding weight adapted to be set in any one of said graduations, corresponding to the divisions of avoirdupois weight, or any other system of standard measure.

N is a sliding valve pivoted at O, its opposite end being provided with eyes P, which slide upon a curved guide-rod Q. This valve is adapted to close the discharge opening C, and is operated by a drawer-pull R connected to a rod S pivoted to the valve or cut-off N. Valve N is also provided with a downwardly projecting pin T, adapted to be struck by the tilting-box E when it discharges and the cut-off automatically closed.

The operation is as follows: When it is desired to sell a pound, say, of coffee, or any other commodity for which this invention is adapted, a suitable receptacle, such as a paper bag, in which to wrap the sale, is placed under the chute H. The weight M is then set at the proper notch, the weight I having been previously adjusted and locked. The drawer-pull R is then pushed inwardly opening the cut-off and allowing the coffee to flow through the opening C into the box E, the partition G preventing it temporarily from escaping therefrom. When a pound has passed through the opening C the weight thereof will overcome the weight M and the box E will tilt and discharge the contents into the bag, the movement of said box closing the cut-off as it tilts.

We claim—

In an automatic measuring device, the combination of a receptacle, a discharge orifice, a tilting box beneath the orifice having both a counterpoise and a graduating weight, a permanent partition for closing said box when in a horizontal position, a cut-off for the orifice, and mechanism for operating the cut-off by hand and by the movement of the tilting-box.

JOHN T. WHETSTINE.
THOMAS C. BAKER.

Witnesses:

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E. H. CARE.