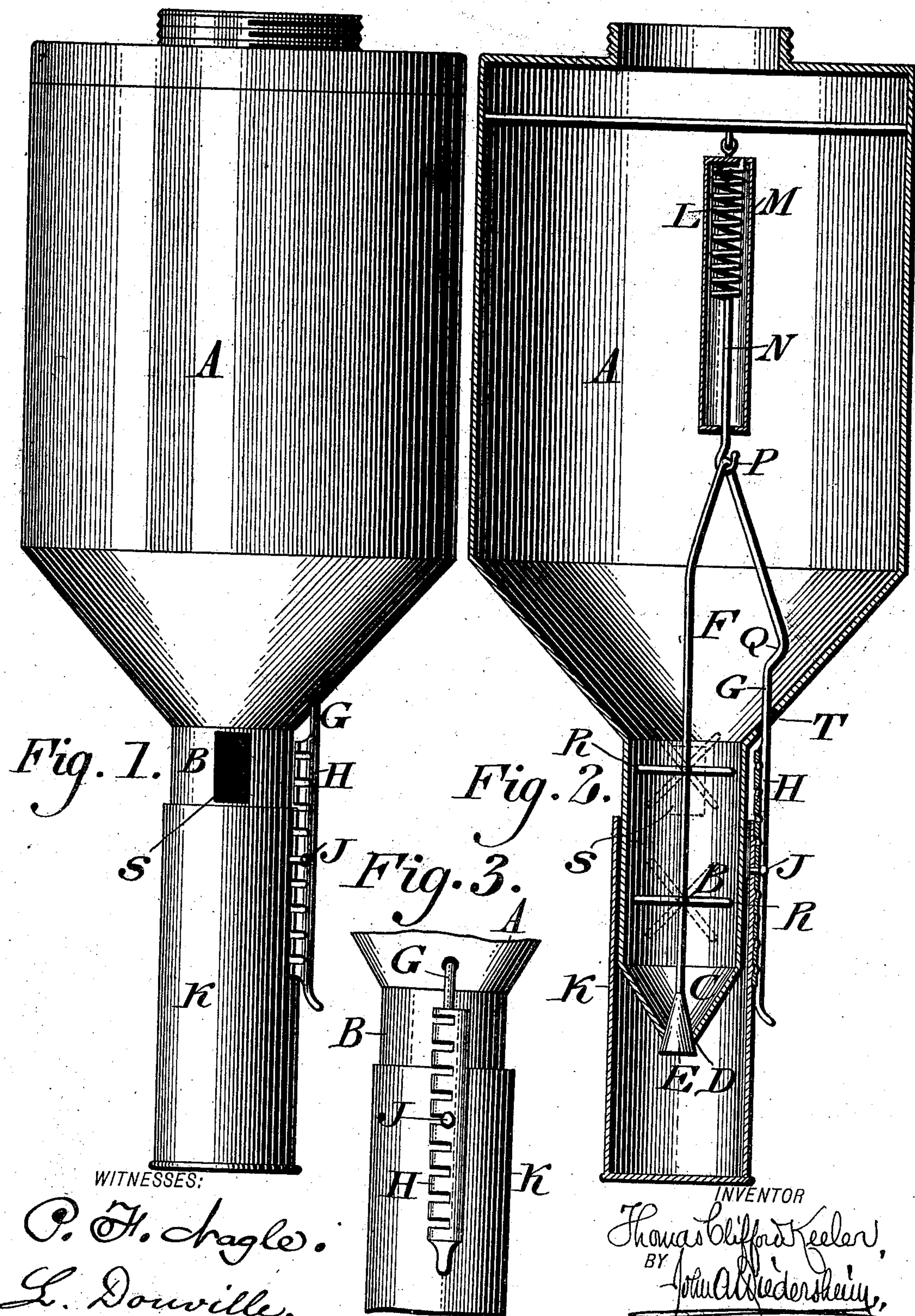


(No Model.)

T. C. KEELER.
MEASURING CADDY.

No. 502,124.

Patented July 25, 1893.



UNITED STATES PATENT OFFICE.

THOMAS CLIFFORD KEELER, OF MOUNT HOLLY, NEW JERSEY.

MEASURING-CADDY.

SPECIFICATION forming part of Letters Patent No. 502,124, dated July 25, 1893.

Application filed February 15, 1893. Serial No. 462,432. (No model.)

To all whom it may concern:

Be it known that I, THOMAS CLIFFORD KEELER, a citizen of the United States, residing at Mount Holly, county of Burlington, and State of New Jersey, have invented a new and useful Improvement in Caddies or Cans for Coffee, Tea, &c., which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a can or caddy for coffee, tea, &c., the same being adapted to permit a predetermined charge of material to be removed therefrom, as will be hereinafter fully set forth.

It also consists of certain details of construction as will be hereinafter specified and pointed out in the claims.

Figure 1 represents a side elevation of a can or caddy embodying my invention. Fig. 2 represents a central vertical section thereof. Fig. 3 represents a side elevation of a portion at a right angle to Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings:—A designates a can having at the bottom thereof the discharge spout or nozzle B, the lower portion C thereof being of inverted conical form, and having an opening D centrally therein, the wall of which forms the seat for the valve E, whose stem or rod F passes through the nozzle B into the can A, the upper end of said stem having connected with it the arm G which passes through the wall of the can A, and carries on its lower or outer end the ratchet bar or rack H, with the teeth of either of which, a pin J is adapted to engage, said pin projecting from the charger K whose upper portion freely encircles the discharge nozzle B.

The valve stem and arm G depend from a spring L, the main portion of which is within a tube M, the latter being suspended from the top of the can A, the lower portion of the spring having a stem N which passes freely through the bottom of the tube M, and being continued into a hook P on which the valve stem F and arm G are hung, it being noticed that the tube M forms a casing which is closed on all sides, excepting at the opening through which the stem N passes, whereby the contents of the can are prevented from entering

said casing, it being also noticed that the tendency of the spring L is to raise the valve E and hold it closed on its seat.

On a portion of the arm G within the can A, is a bend or shoulder Q, whose tendency when the arm is lowered is to abut against the bottom wall of the can A, as a stop, and thus limit the descent of said arm G and the valve E.

The teeth of the rack H are of such size or set apart, as to indicate a predetermined quantity, such as a spoonful, cupful, &c., according to requirements, and the charger K will be set to receive said amount by causing the pin J to engage with the proper tooth of the rack H.

The operation is as follows:—When it is desired to remove a charge of material from the can A, the charger K is lowered, whereby the valve E is opened, and the material from the can flows through the valve opening into the charger K and fills the same to the required extent. The charger is then let-go, whereby owing to the spring L, the valve E is closed, and the charger raised. Should there be any pressure on the upper portion of the material in the charger, due to the ascent of the valve and charger, or both, the space round the conical portion C of the discharge nozzle receives the material that may be caused to rise, this preventing matting or packing of the same. The charger is now slightly rotated, whereby the pin J is disengaged from the tooth with which it interlocked, and said charger may be entirely removed from the discharge nozzle, and its contents overturned or poured out, it being noticed that said charger serves as a cup and scoop. The charger is now restored, and the operations hereinbefore described may be repeated.

On the stem F are wings or projecting pieces R, which move with said stem through the mass of material, this serving to stir the latter, and cause it to flow freely from the discharge nozzle B.

In the wall of the discharge nozzle B is an opening which is occupied by a piece S of glass or other transparent material, so that the interior of the charger may be viewed and the amount of material therein readily seen.

The opening in the bottom of the can through

which the arm G passes, has packing T therein for preventing escape of material through said opening.

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

1. A caddy or can having a discharge nozzle, a valve at the base thereof, and a charger, the latter encircling said discharge nozzle and
10 being adapted to be connected with said valve, substantially as described.

2. A caddy or can having a removable charger on the discharge nozzle thereof, a valve on said nozzle, and means for connecting said
15 nozzle with said valve, substantially as described.

3. A caddy or can having a rack depending therefrom, a charger on the discharge nozzle of said caddy or can, a pin on said charger
20 adapted to engage with said rack, and a valve for the discharge nozzle connected with said rack, substantially as described.

4. A caddy or can having a valve for the discharge nozzle thereof, a charger on said
25 nozzle, a rack on the caddy, and a pin on the charger adapted to engage with said rack, the

supporting arm of said rack and the stem of said valve being connected, substantially as described.

5. A caddy or can having a valve for the discharge opening thereof, a charger below
30 said opening, and means for connecting said rack and valve, in combination with a spring which is attached to the caddy, and has said rack and valve depending therefrom, substan-
35 tially as described.

6. A caddy or can having its discharge portion of inverted conical form, and a seat on said portion, a valve for said seat, and a
40 charger which is connected with said valve, and encircles the discharge portion of the caddy, substantially as described.

7. A caddy or can having a charger around the discharge opening thereof, a valve for said opening, and a connection for said charger
45 and valve, the same having a stop such as Q for limiting the descent of the charger, substantially as described.

THOMAS CLIFFORD KEELER.

Witnesses:

T. C. McNINNY,
ELIAS HARGROVE.