

A. WEBER & C. WILHELM.
CASTER BOTTLES.

No. 185,002.

Patented Dec. 5, 1876.

Fig. 1.

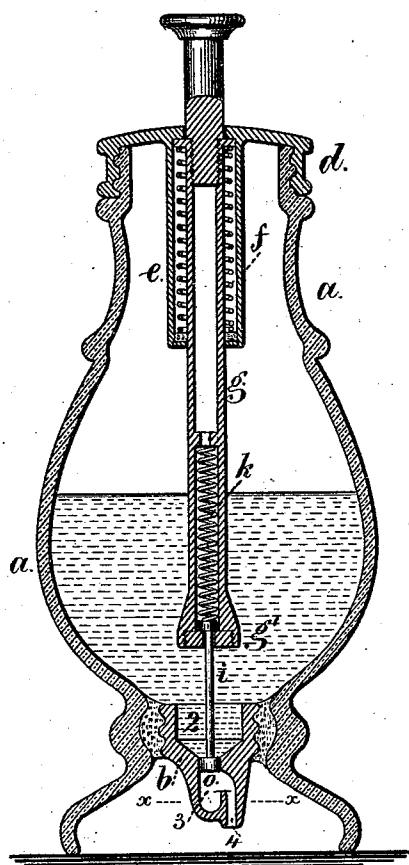


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

AUGUST WEBER, OF NEWARK, NEW JERSEY, AND CHARLES WILHELM, OF
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IMPROVEMENT IN CASTER-BOTTLES.

Specification forming part of Letters Patent No. **185,002**, dated December 5, 1876; application filed
May 8, 1876.

To all whom it may concern:

Be it known that we, AUGUST WEBER, of Newark, in the State of New Jersey, and CHARLES WILHELM, of the city and State of New York, have invented an Improvement in Caster-Bottles, of which the following is a specification:

In Letters Patent No. 145,138, granted to A. Weber, there is an opening at the bottom of the bottle, a valve to the same, and a plunger or piston to eject the mustard, sauce, or other material. In that case it is necessary to draw the valve back, and a reverse screw is used for that purpose.

Our present invention relates to a plunger with a yielding valve, in combination with an ejecting nipple having a two-part passageway, the one portion forming an opening for the valve to move in, and the other part allowing the sauce to be ejected when the piston is forced.

By this construction the reverse screw and mechanism are dispensed with, and the appliance rendered very simple and durable.

In the drawing, Figure 1 is a vertical section of the bottle complete, and Fig. 2 is a sectional plan at the line *x x*.

The bottle *a* is of any desired size or shape, and *b* is a nipple, that is inserted into the lower part of the bottle at a contraction therein above the base. This nipple is to be of any suitable material, and when the bottle is of glass, the nipple is secured by plaster or otherwise; and this nipple is made with a cylindrical cavity, 2, a central hole, 3, and an adjacent continuation, 4, of the hole 3.

The cover *d* is fitted upon the upper end of the bottle *a*, and is preferably air-tight, or nearly so, and upon the under side is a hollow central cylinder, *e*, containing the helical spring *f*, through which passes the plunger-rod *g*, with a ring-shoulder above the spring *f*, so that the

plunger and rod will be in an elevated position ordinarily. The bottom end of the rod *g* forms a plunger, that fits the cylindrical cavity 2, and there is a small stem, *i*, with a head within the hollow end of the plunger *g'*, below the helical spring *k*, and at the lower end of the stem *i* is the valve *o*, fitting the central hole 3.

In the normal condition the valve *o* is in the hole 3, above the lateral connection 4, so that the outlet is closed. When the stem is pressed down by the hand or finger upon the upper end of the plunger-rod *g*, the valve *o* is moved down in the hole 3, below the lateral connection 4, and then the plunger *g'*, entering the cylinder 2, forces down the mustard, or sauce, or other material; and at the reverse movement the plunger draws in any semi-liquid material remaining in the opening 4, and the rising of the valve *o* again closes the outlet 3, retaining the contents of the caster-bottle.

This bottle may be employed for mustard, catchups, molasses, or other materials, and it is very convenient for supplying small quantities, as required; at the same time the atmosphere is excluded from the material in the bottle.

We claim as our invention—

The nipple *b*, provided with the cylinder 2 and openings 3 and 4, and applied at the lower part of the caster-bottle, in combination with the spring-plunger *g'* and spring-valve *o*, substantially as set forth.

Signed by us this 4th day of May, A. D. 1876.

AUGUST WEBER.
CHARLES WILHELM.

Witnesses:

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