

E.R. Cook,
Molasses Pitcher,

No. 42,750,

Patented May 17, 1864.

Fig. 1

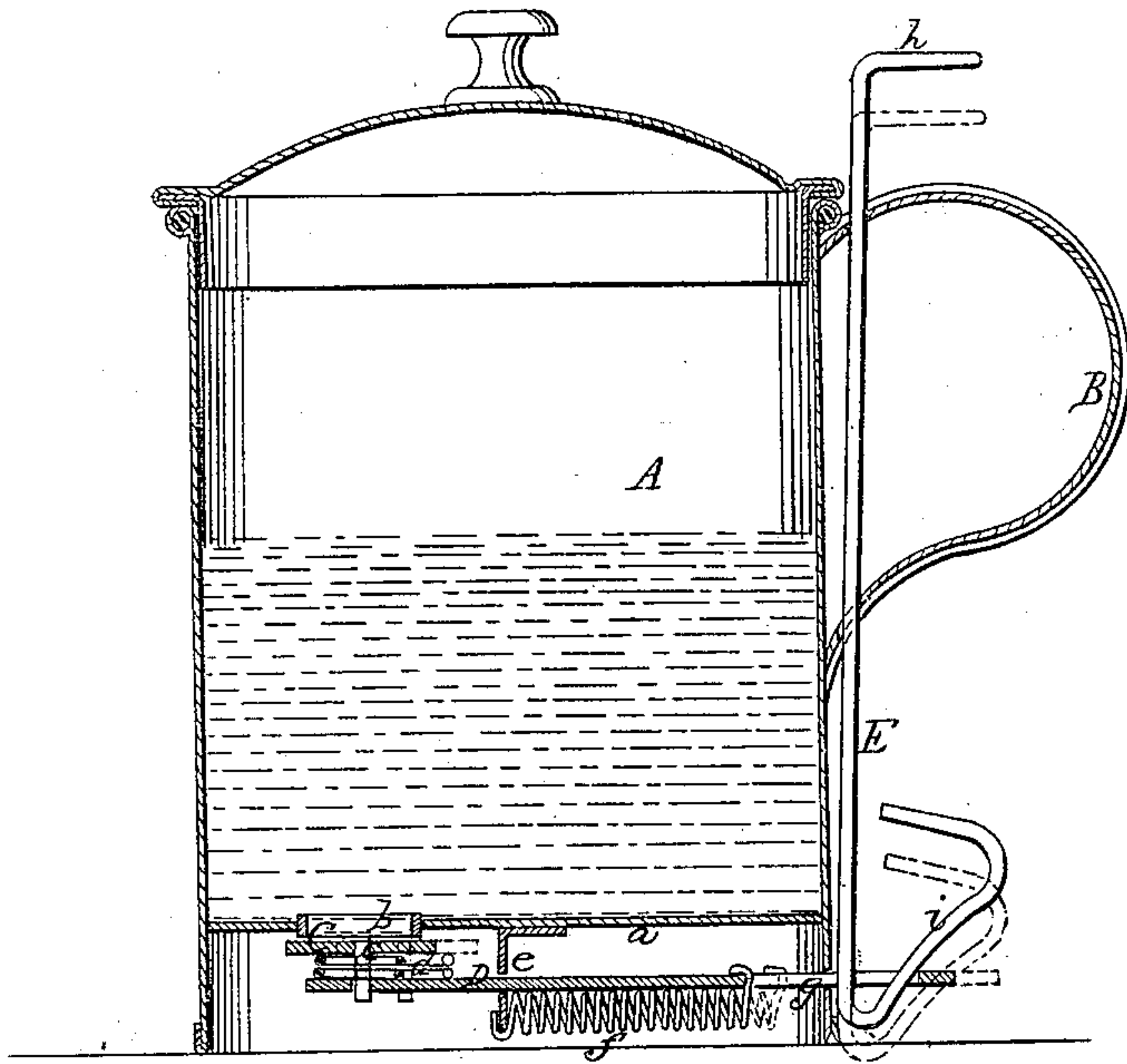
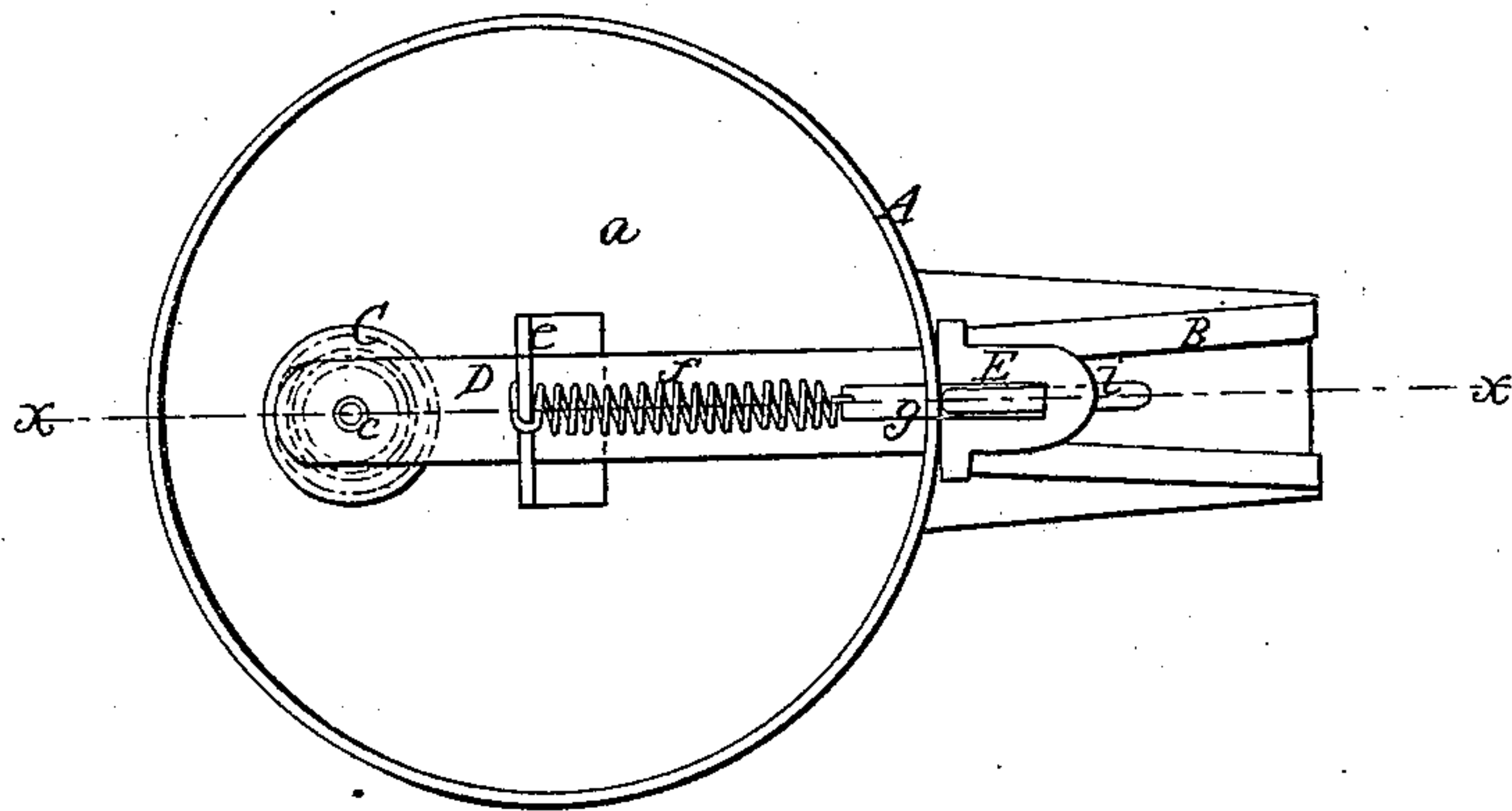


Fig. 2



Witnesses:

J. P. Hall
John Reed

Inventor:

E. R. Cook

UNITED STATES PATENT OFFICE.

E. R. COOK, OF TRENTON, NEW JERSEY.

IMPROVED MOLASSES-CUP.

Specification forming part of Letters Patent No. 42,750, dated May 17, 1864.

To all whom it may concern:

Be it known that I, E. R. COOK, of Trenton, in the county of Mercer and State of New Jersey, have invented a new and useful improvement in cups for holding molasses and other thick or viscid substances which do not flow readily; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a vertical central section of my invention; Fig. 2, an inverted plan of the same.

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

This invention consists in applying a slide-valve to the bottom of a cup in such a manner that it may be opened readily in grasping the handle, and admit of the substance in the cup being discharged from the bottom of the latter, and cut off by releasing the valve mechanism.

The invention is designed to obviate the difficulty attending the pouring out of molasses, cream, and other thick or viscid substances from the ordinary cups, the former adhering to the nozzles of the latter and continually dripping, so as to soil the table-linen and rendering necessary, where cleanliness is regarded, a platter or plate for the cup to stand upon.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a cup, which may be constructed of any desired form and provided with a handle, B, at its side. The bottom *a* of the cup is a short distance above the lower edge of the side of the cup, as shown in Fig. 1, and in the bottom *a* there is made a hole, *b*, which, when the cup is not in use, is covered by a slide valve, C. This valve C has a stem, *c*, attached to it, which passes through a slide, D, and a spring, *d*, is interposed between the valve and slide to keep the former in close contact with its seat and prevent leakage. (See Fig. 1.) The slide D works in a pendant,

e, attached to the bottom *a*, and also works through the side of the cup below the bottom, and it has a spiral spring, *f*, attached to it, which spring has a tendency to keep the valve closed over the hole *b*.

In the outer part of the slide D there is made an oblong slot, *g*, in which the lower end of a rod, E, is fitted, said rod passing up through the handle B and bent horizontally and in circular form at its upper end to serve as a thumb-piece, *h*. The lever end of the rod E is bent so as to form an inclined portion, *i*, as shown in Fig. 1, and this bent portion works within the slot *g*.

From the above description it will be seen that when the handle B is grasped, and the rod E forced down under the pressure of the thumb, the inclined portion *i* of the rod E will actuate the slide D and open the valve C so that the contents of the cup may escape, and when the rod E is relieved from pressure the spring *f* will close the valve and the latter cut off the discharge so as to prevent all dripping and leaking.

In consequence of having the bottom *a* some distance above the lower edge of the side of the cup, the valve and valve mechanism is prevented from coming in contact with the surface on which the cup stands.

I would remark that I do not confine myself to the precise arrangement of the parts herein shown and described, for they may be varied or modified in various ways and the same end attained.

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

A cup provided with a slide-valve at its bottom and arranged with mechanism in such a manner that the valve may be opened by the pressure of the thumb as the handle of the cup is grasped, and closed by a spring, substantially as and for the purpose specified.

E. R. COOK.

Witnesses:

J. P. HALL,
GEO. W. REED.