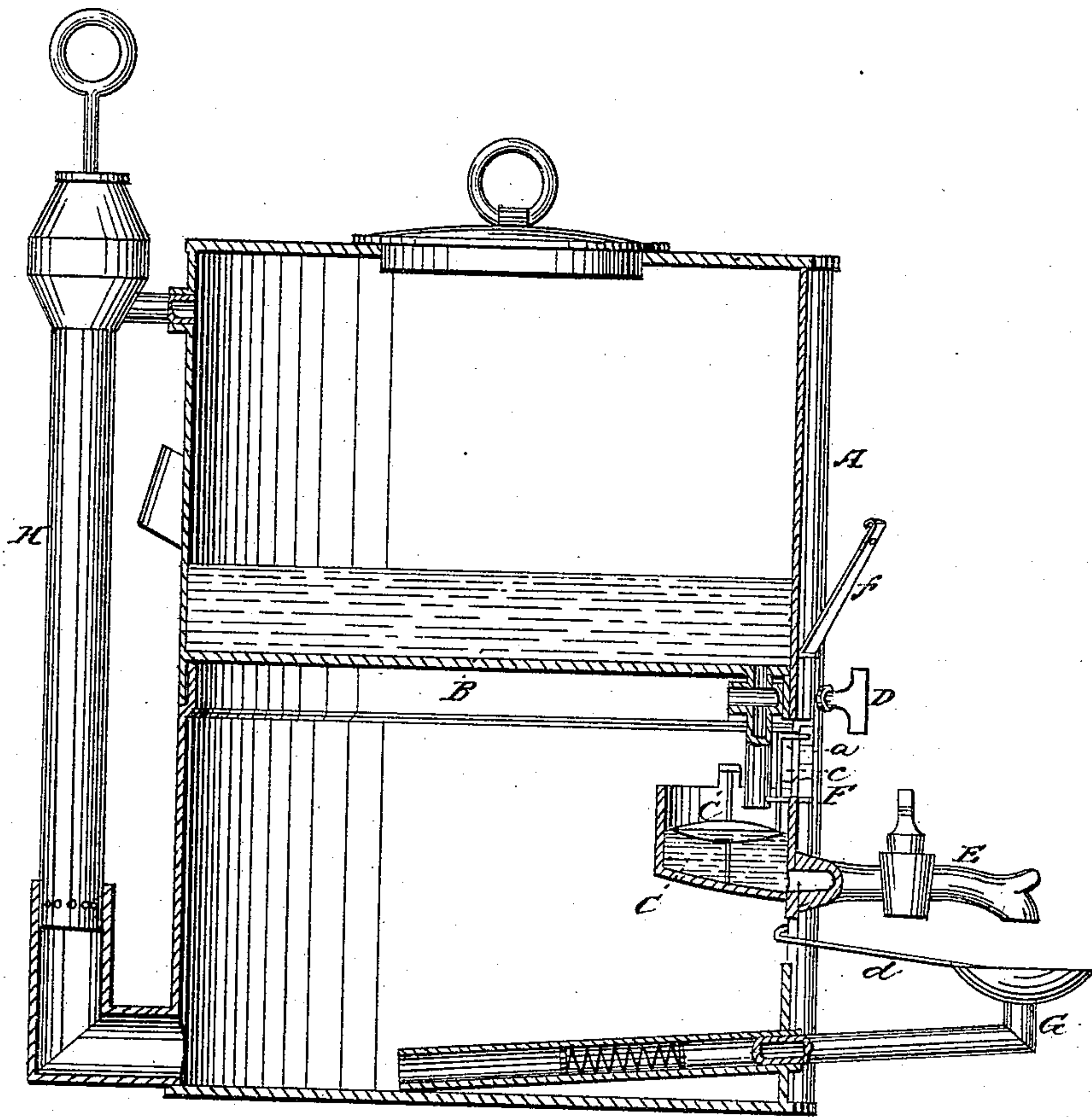


ARKLE & GREER.

Liquid Measure.

No. 68,480.

Patented Sept. 3, 1867.



WITNESSES:

*Theo. Fuchs.*

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Attys.*

# United States Patent Office.

THOMAS D. ARKLE AND HARRY C. GREER, OF BRIDGEPORT, OHIO.

*Letters Patent No. 68,480, dated September 3, 1867.*

## IMPROVEMENT IN AUTOMATIC MEASURING-CANS.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that we, THOMAS D. ARKLE and HARRY C. GREER, of Bridgeport, Belmont county, Ohio, have invented a new and useful Improvement in Self-Measuring Can; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved method of measuring liquids, and the invention consists in forming a measuring-vessel inside a can, into which the liquid is discharged, and the quantity which it is designed to measure is indicated on the outside of the can by an index-finger, which is operated by a float in the measuring-vessel, and it also consists in the arrangement of the drip-pan, as we will proceed to describe.

The drawing represents a vertical central section of the can, showing the whole interior arrangement.

A represents the can, which may be of any desired size and form, and constructed of any suitable material. B is a partition in the can, which divides it into two compartments. C is the measuring-vessel. C' is a float in the measuring-vessel. D is a faucet, by which the liquid is discharged into the measuring-vessel. E is a faucet, by which the liquid is discharged into any vessel placed to receive it outside. The index-plate and finger are seen at F. G is the drip-pan. H is a pump, which may be used either for receiving the drip from the bottom of the can, or to discharge liquids from barrels into the can. The measuring-vessel C is placed in the lower compartment of the can, but in communication with the upper portion through the faucet D.

The index-plate is marked off to indicate quantities, and when the desired quantity (say one pint, one quart, two quarts, or a gallon) is discharged into the measuring-vessel, the float C' will rise, and the index-finger *a*, being attached to the float by the rod *c*, will point to the quantity indicated on the plate.

If the quantity required be one gallon, the finger would point to the upper mark; should it be one pint, it would point to the lowest mark; but, of course, the apparatus may be constructed so as to measure any desired quantities.

It will be noticed that the tube of the pan enters a pipe in the can, in which pipe there is a spiral spring. This spring acts against the end of the waste-tube. In drawing liquid the receiving-vessel is crowded against the drip-pan, and takes its place under the faucet E. When the vessel is removed, the drip-pan is thrown out to its former position by the spring. *d* is a rod attached to the pan, and, passing through the side of the can, serves to steady the drip-pan. *f* is a drop-cover for the index-plate and finger.

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

1. The construction and arrangement, within the can A, of the measuring-vessel C, provided with the float C', to one side of which the index *a* is secured, as and for the purpose specified.
2. The drip-can G, connected with the inclined tube in the can A near its bottom, provided with the spiral spring, all arranged as described for the purpose specified.
3. The combination and arrangement of the can A, having bottom B provided with downward-projecting discharge-tube, measuring-vessel C, float C', index-finger *a*, plate F, sliding drip-pan G, and inclined tube containing the spiral spring, and the pump H, as herein set forth for the purpose specified.

T. D. ARKLE,  
HARRY C. GREER.

Witnesses:

F. C. SMITH,  
GEORGE KEELING.