

J. A. Casey.
Water Cooler.

N^o 90,238.

Patented May 18, 1869.

Fig. 2.

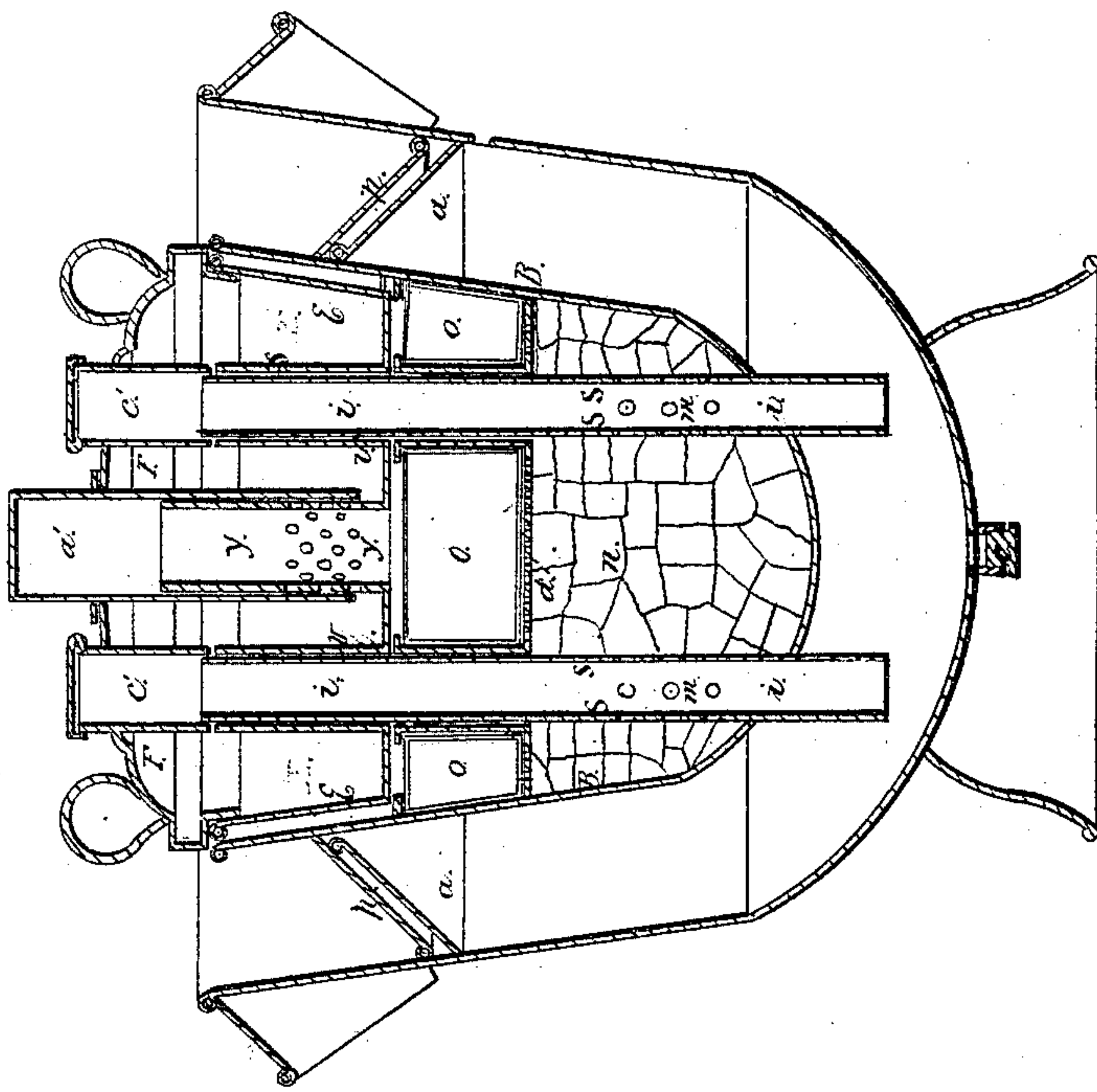
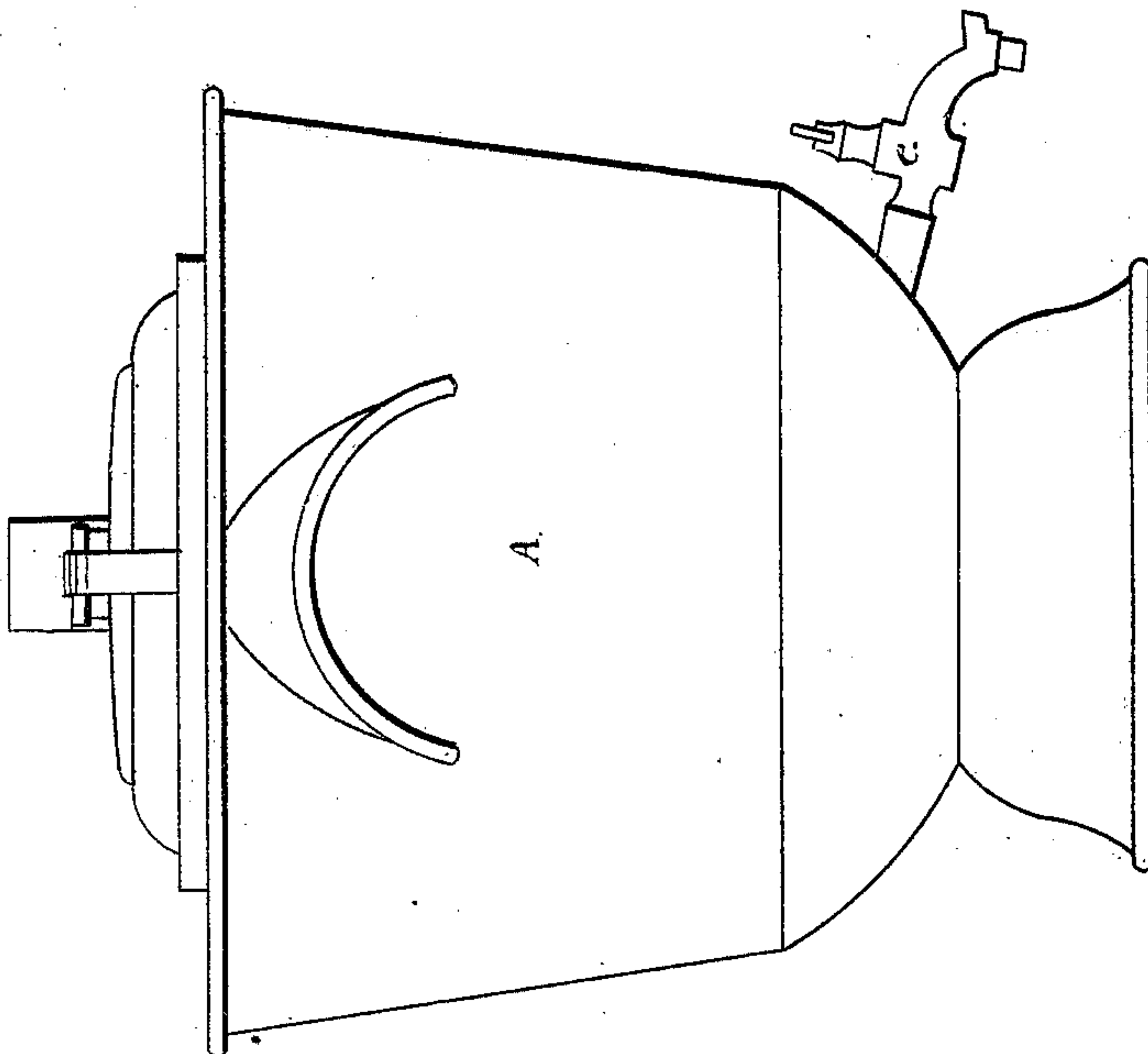


Fig. 1.



Witnesses.

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J. A. CASEY, OF MAYSVILLE, KENTUCKY.

Letters Patent No. 90,238, dated May 18, 1869.

IMPROVED WATER-PURIFIER AND COOLER.

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

To all whom it may concern :

Be it known that I, J. A. CASEY, of Maysville, in the county of Mason, and State of Kentucky, have invented a new and valuable Improvement in a Water-Purifier and Cooler; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1, of the drawings, is a side plan view of my device.

Figure 2 is a sectional front view of the same.

My invention relates to means for cooling and purifying water; and

It consists mainly in the combination and arrangement, in a novel and useful manner, of a series of devices intended to lower the temperature of water, and remove impurities therefrom, in a more efficient manner than has been possible by any similar invention heretofore known.

The letter A, of the drawings, represents an urn, which is usually constructed of double plates of tin or zinc, and has an inner flanch, as shown at *a*, fitted to serve as a rest and support for the urn B, hereinafter mentioned.

The letter *c* is a plug, in the bottom of urn A, for drawing off sediment; and

The letter *e* is a faucet, for drawing water from urn A.

The inner urn B is adjusted, by its circular flanch, *h*, upon the flanch *a*, of the outer urn, as shown on fig. 2, and is removable at will; and

The letters *i* are tubes, extending from a point midway between the bottom of the urn B and the bottom of urn A.

These tubes are secured firmly in the bottom of urn B, and are perforated, for the passage of the water, as shown at *m*.

The letter *n* represents charcoal, placed in the urn B.

The letter *d* is a perforated cover, over the charcoal; and

Letter *o* is a bag, designed to hold sand or pebbles, or both combined.

The letters *s* are tubes, passing through the sand-bag, as shown, and fit around the tubes *i*, so as to be removable. The lower ends of tubes *s* are attached firmly in the perforated cover *d*.

The letter E is a basin, through the bottom of which are passed the tubes *v*, which tubes fit inside the tubes *s*, and said tubes *s* serve as a rest and support for said basin, in the manner shown.

The letter *y* is a tube, adjusted in the bottom of basin E. This tube is perforated, as represented.

The letter F is the cover to basin E. It has a cap, *a'*, that fits over the tube *y*, and also tubes and caps, *c'*, that are connected with the tubes *i*, in the manner shown.

To operate my device, I place ice in the basin E, and around said basin, if desirable, and after removing the cap *a'*, I pour water into the tube *y*.

The water percolates through the sand and charcoal. It is cooled by the ice, and purified by the sand and charcoal, and is drawn for use from the faucet *e*.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination and arrangement of the devices herein described and shown, consisting mainly of the urns A and B, basin E, sand-bag *o*, tubes *i*, *s*, and *y*, perforated cover *d*, and caps *a'* and *c'*, substantially as and for the purposes herein specified.

In testimony that I claim the above, I have hereunto subscribed my name, in the presence of two witnesses.

J. A. CASEY.

Witnesses:

E. E. GARRETT,
G. M. MCMAHAN.