

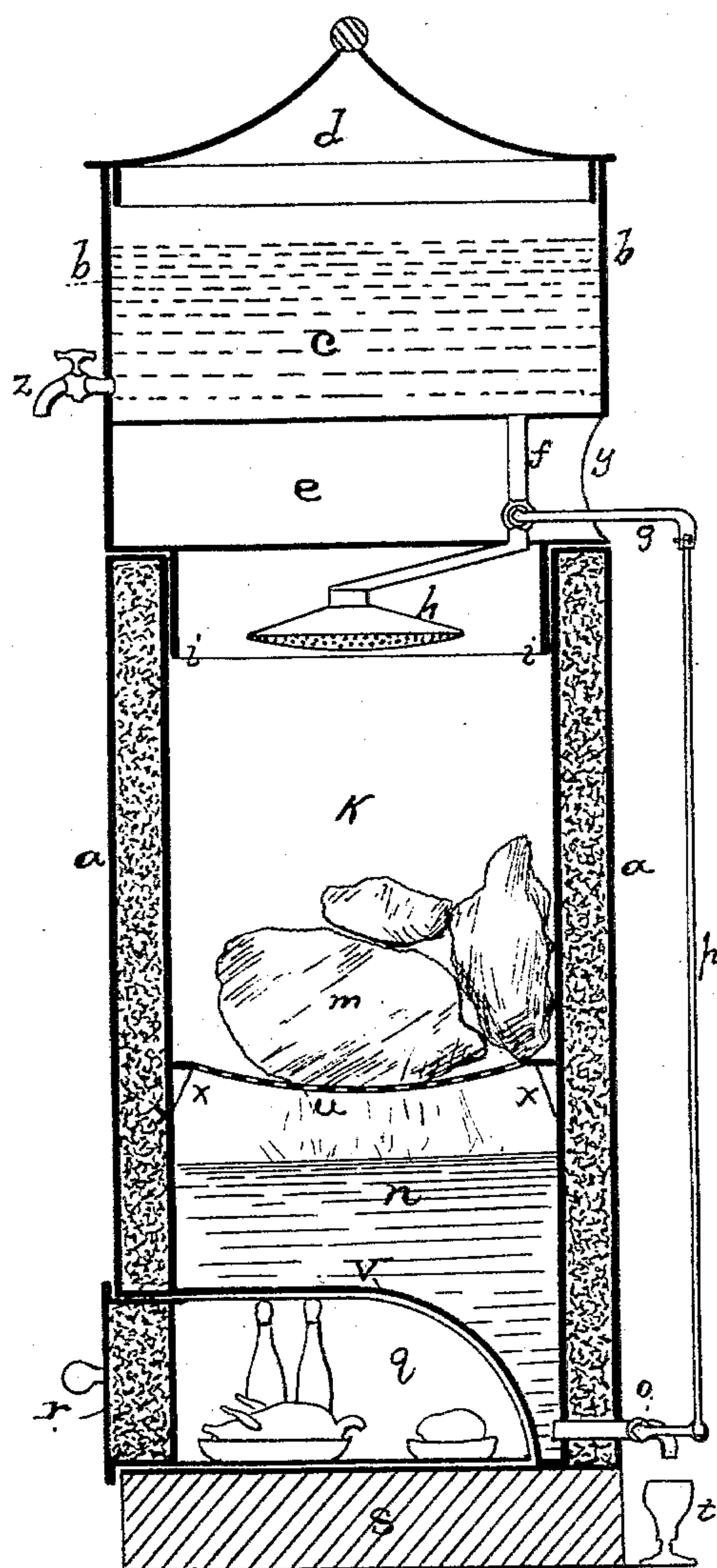
(No Model.)

C. S. RICHMAN.

COMBINED WATER COOLER AND REFRIGERATOR.

No. 300,511.

Patented June 17, 1884.



Witnesses,
Geo. H. Strong.
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UNITED STATES PATENT OFFICE.

CLAYTON S. RICHMAN, OF VALLEJO, CALIFORNIA.

COMBINED WATER-COOLER AND REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 300,511, dated June 17, 1884.

Application filed September 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, CLAYTON SCOTT RICHMAN, of Vallejo, county of Solano, and State of California, have invented new and useful
5 Improvements in a Combined Water-Cooler and Refrigerator; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which forms a part of this specification.

10 The figure represents a vertical section of my device.

In the appended drawing, *a a* represent the sides of a box or cylinder, of any suitable dimensions or shape, which sides, being hollow, are filled with charcoal or any other suitable
20 non-conducting substance.

b b represent a movable top consisting of a water-reservoir, *c*, (in which or in the air-space *c* any convenient filterer can be placed,) movable top or cover *d* to reservoir, an air-space, *e*, with pipe *f*, connecting the reservoir *c* with spray-fan or rose-nozzle *h*, a curved aperture, *g*, in which works the cock *g* in the pipe *f*, a stop-cock, *z*, to draw off water of the ordinary temperature from the reservoir *c*,
30 and the rim *i i*, on which the entire top rests when removed, and which protects the spray-fan *h* in moving.

The spray-fan *h* consists of a perforated disk, which serves to spread the water (let in from the reservoir *c* by opening the cock *g*) in a fine spray over the ice *m* in the ice-chamber *k*.

x x represent lugs, which support another dish-shaped and perforated galvanized iron disk, *u*, on which the ice rests, and through which the water percolates after having passed over the ice *m* into the cold-air chamber and water-receiver *n*, whence it is drawn off cold through the cock *o*.

45 *p* represents a rod connecting the cocks *g* and *o*, which, when pushed up, opens the two cocks simultaneously, the lower cock, *o*, being the larger, so that there will be no accumulation of water in the cold-air chamber *n*,

and so that the drippings from the ice will run off before the water from the reservoir reaches the water-receiver *n*.

v represents a dish-shaped galvanized iron partition, separating the cold-air chamber *n* from the refrigerator portion of the contrivance *q*, which is kept cool and dry by its proximity to the cold-air chamber and the cold drippings passing over the partition *r* and accumulating under the tray *r*.

r represents a movable drawer or tray, in which such articles as it is desirable to keep cool are placed.

s represents the bottom on which the construction rests.

t represents a save-all for drippings from the cock *o* and a support for the vessel placed to receive the water.

To operate the cooler, disconnect the rod *p* from the cock *g* by loosening the screw near *g*. Then lift off the top *b b*, remove the lid *d*,
70 and fill the reservoir *c* with water. Wash the ice clean and put it in place *m* on the strainer *u*. Then replace the top *b b* and the lid *d*, and connect the rod *p* with the cock *g*, when cold water can be drawn off from the cock *o* by
75 raising the rod *p*, or water of the ordinary temperature by opening the cock *z*.

I am aware of the patent to H. G. Dayton, No. 62,187, February 19, 1867, and do not desire to claim, broadly, any of the features
80 therein shown.

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

In a water-cooler, the movable top *b b* and reservoir *c*, outlet-pipe *f*, spraying device *h*, and ice-vessel *a a*, in combination with the drawer *r*, cock or valve *g*, discharge-cock *o*, the ice-chamber, and rod *p*, connecting said cocks, whereby they may be operated simultaneously,
90 substantially as shown and described.

In witness whereof I have hereunto set my hand.

CLAYTON S. RICHMAN.

Witnesses:

J. FRASTER,

H. R. CROSBY.