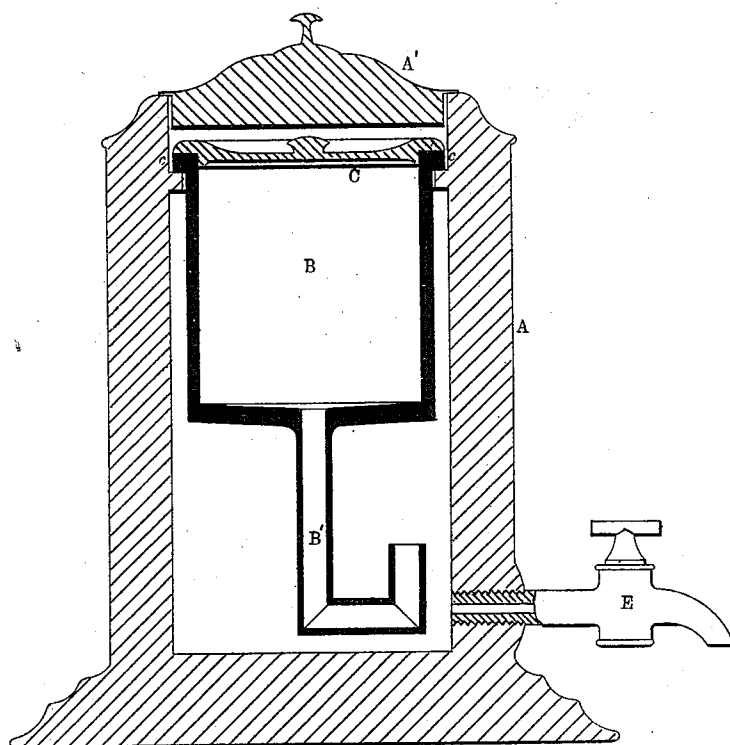


S. J. CHAPMAN.
Water-Coolers.

No. 148,928.

Patented March 24, 1874.



—WITNESSES—

John S. Brown
Geo. Cragg

—INVENTOR—

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attys.

UNITED STATES PATENT OFFICE.

SAMUEL J. CHAPMAN, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN WATER-COOLERS.

Specification forming part of Letters Patent No. 148,928, dated March 24, 1874; application filed March 5, 1874.

To all whom it may concern:

Be it known that I, SAMUEL J. CHAPMAN, of the city of Baltimore, in the State of Maryland, have invented certain Improvements in Water-Coolers, of which the following is a specification; and I do hereby declare that in the same is contained a full, clear, and exact description of my said invention, reference being had to the accompanying drawing and to the letters of reference marked thereon.

My invention relates to certain improvements in water-coolers tending to keep the ice, which is in a receptacle separate from that containing the water, clear also of air, thereby lessening the draft upon the ice, and rendering the cooler proportionately the more effective and economical.

In the accompanying drawing, forming a part of this specification, a vertical section of my improved cooler is represented.

A is the outer body or water-chamber of the cooler, constructed in and of any of the approved methods and materials in use, and having a cover, A'. Suspended within the outer body A, at or near its top, is an ice box or reservoir, B, made of earthenware or other suitable substance, having a pipe, B', extending a short distance from its bottom, and then returning a short height upward, as shown,

the bottom of the reservoir being slightly inclined toward the central pipe B'. The ice box or reservoir is provided with an air-tight cover, C, resting upon the annular projection c.

The heat in the water in the receptacle A is gradually absorbed by the surfaces of the ice-receptacle B, the waste of the ice being almost entirely consequent upon the draft thus made upon it, for the return-pipe B', constantly overflowing with the waste-water from the ice, carrying with it the cooler air to the bottom of the cooler, in time causes the ice to be left *in vacuo*, or partially so, and to a great extent freed from the wasting influence of atmospheric air. The cooled water is drawn off at the cock E.

I claim as my invention—

The combination of the water-receptacle A and cover A' with the ice-receptacle B, having the return-pipe B' and air-tight lid c, substantially as and for the purpose specified.

In testimony whereof I have hereto subscribed my name, in the city of Charleston, South Carolina, this 10th day of February, in the year of our Lord 1874.

SAMUEL J. CHAPMAN.

Witnesses:

JOHN BARRY,
F. W. BOLGER.