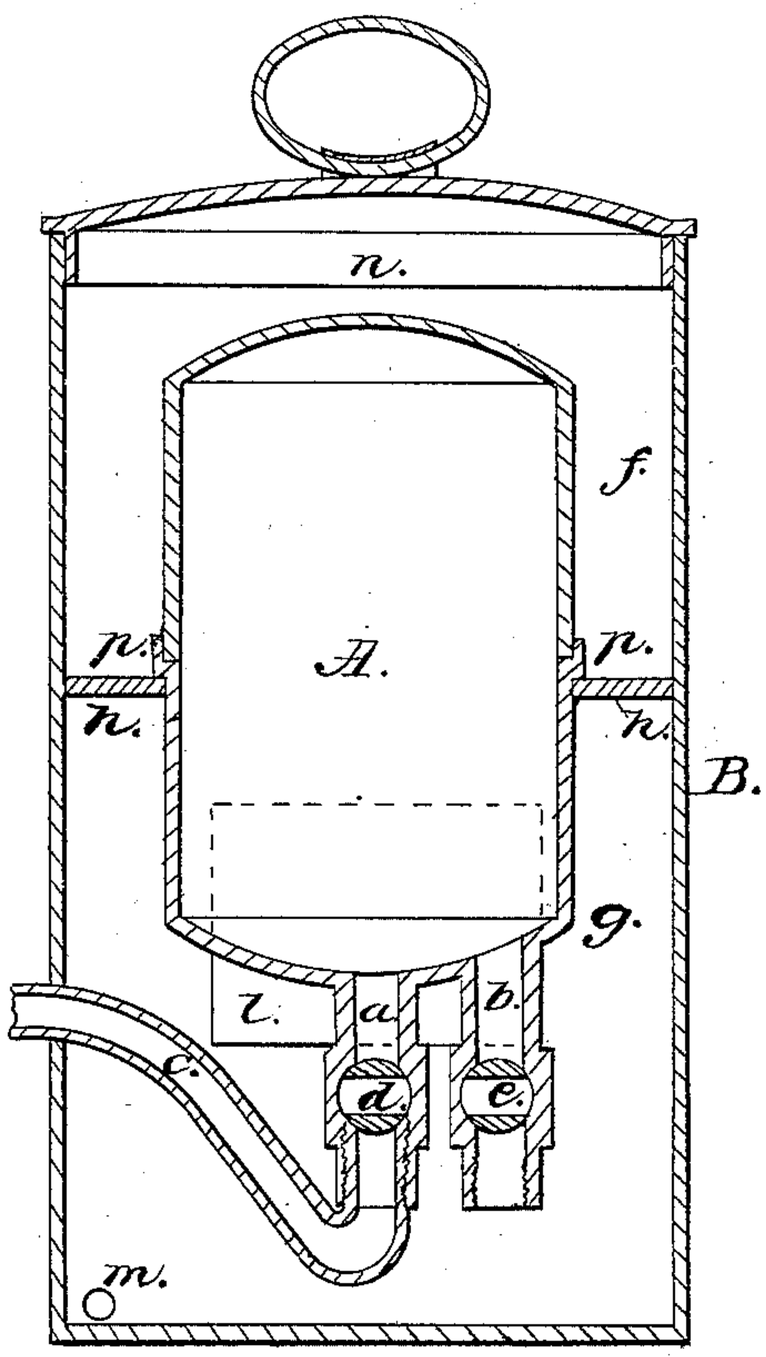
W. Coughlan,

Soda Fountain,

No. 10,167, Patented Oct. 25, 1853.



UNITED STATES PATENT OFFICE.

WILLIAM COUGHLAN, OF BALTIMORE, MARYLAND.

SODA-FOUNTAIN.

Specification of Letters Patent No. 10,167, dated October 25, 1853.

To all whom it may concern:

Be it known that I, WILLIAM COUGHLAN, of Baltimore, in the State of Maryland, have invented a new and Improved Combined Mineral-Water Fount and Refrigerator; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, making part of this specification.

All mineral-water founts heretofore constructed have, so far as the inventor is aware, been provided with a single tube and spigot, without any additional faucet, or valve; so that hitherto it has been impracticable to fill them with prepared mineral water; but it has always been necessary to first put the proper amount of simple water in the fount, and then to let in a quantity of carbonic acid gas; then to detach the conducting pipe and roll the fount about to incorporate the gas in the water; then to attach the conducting pipe again and let in another supply of gas; then to detach and agitate again—repeating these operations several times, and thus rendering the preparation very tedious and expensive, to produce an inferior article.

The nature of my invention consists in adding an auxiliary faucet, or valve, *b*, whereby I am enabled to quickly fill the fount with mineral water already prepared in convenient stationary apparatus.

The fount A, is furnished with a short tube, or faucet, *a*, simply communicating with its inside, which is opened and closed by a spigot *d*, and is provided, at its outer end, with a female screw for receiving the end of the pipe whereby it is filled or emptied. An auxiliary faucet *b*, closed by a spigot, or valve, *e*, is also inserted for the purpose of giving vent to the superabundant gas when filling with the mineral water and gas combined; otherwise, the gas would prevent its receiving the proper amount of water unless the filling tube were unscrewed several times, and the gas allowed to escape by the principal faucet. When it has been filled and closed, it is inverted for transportation and use, whereby the water is brought over the top of the fount, and the gas rises into the bottom portion, (which is then uppermost), and will force the water out by pressure in the usual manner; and in case the top should leak, as it is liable to do slightly, the gas will not escape, and only a small quantity of water.

The refrigerator B, wherein the fount is to be kept inverted for use, is constructed with two compartments *f* and *g*, separated by a partition *h*, which has an aperture in its center just large enough to receive the fount. The fount is inserted and held therein, as shown in the drawing, and supported in the said partition *h*, by a projecting band *p*, or by any other convenient means. There is a hole *i*, in the side of the lower compartment for receiving the pipe *c*, through which the mineral water is supplied from the fount. A door *l*, is also provided, by which to reach in and fit the pipe *c*, to the faucet *a*. A spile *m*, at the bottom serves to draw off any water, which may have collected in the refrigerator. The ice is put around the fount, and the refrigerator is closed by a cover *n;* so that it will also serve to keep other articles cool.

Having thus fully described my improved mineral-water fount, what I claim therein as new and desire to secure by Letters Patent is—

The auxiliary faucet or valve *b*, for the purpose of enabling the fount to be filled with prepared mineral water, substantially as herein described.

The above specification of my new and improved mineral-water fount and refrigerator signed by me this 31st day of March, 1853.

WM. COUGHLAN.

Witnesses:
J. S. BROWN,
J. W. HURD.