

W. GEE.

Apparatus for Dispensing Soda and Mineral-Waters.

No. 144,086.

Patented Oct. 28, 1873.

Fig:1

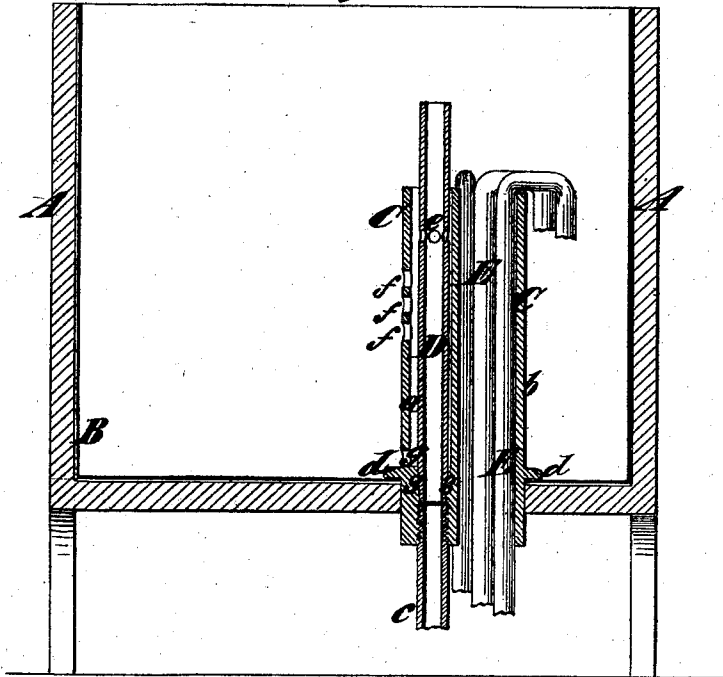
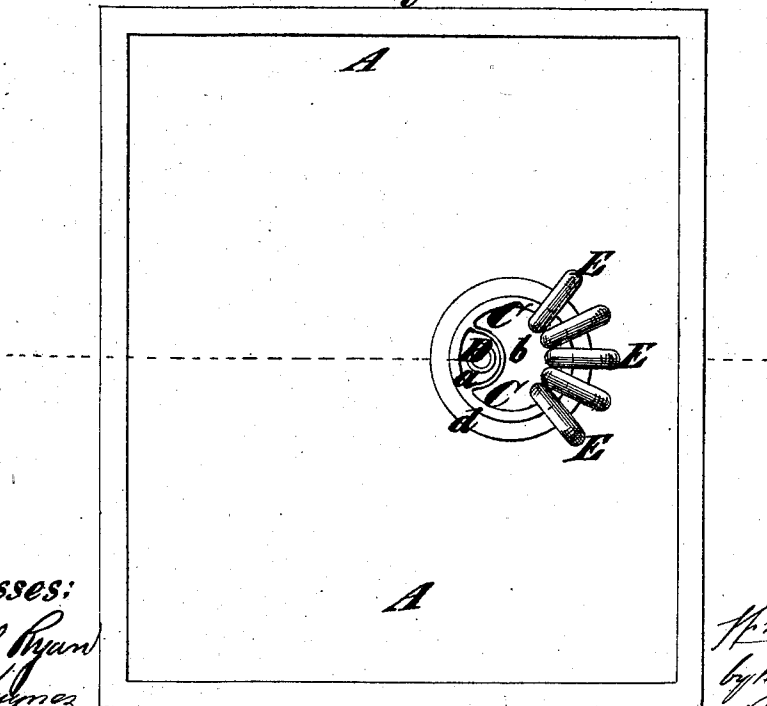


Fig:2



Witnesses:

Michael Ryan
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IMPROVEMENT IN APPARATUS FOR DISPENSING SODA AND MINERAL WATERS.

Specification forming part of Letters Patent No. **144,086**, dated October 28, 1873; application filed September 12, 1873.

To all whom it may concern:

Be it known that I, WILLIAM GEE, of the city, county, and State of New York, have invented an Improvement in Apparatus for Dispensing Soda and Mineral Waters, of which the following is a specification:

The object of this invention is to enable all the soda and mineral water pipes and the waste-water pipe to pass through one opening in the bottom of the draft-stand or cooler, thereby to obviate the necessity for perforating it with numerous small holes for the several pipes. To this end it consists in the combination, with the draft-stand, of a stand-pipe which is erected on its bottom and passes through it, and has two compartments, one for the reception of the pipes leading from the soda and mineral water reservoirs; and the other for the waste-water pipe. In the waste-water pipe's compartment there is a series of holes at some distance from the bottom; and in the waste-pipe itself, some way above these holes, but considerably below the tops of the stand-pipe, there are other holes. These holes in the waste-pipe determine the level of the waste-water in the draft-stand; and as its only means of escape is through the holes in the stand-pipe, and thence out through the holes in the waste-pipe, the waste-water is drawn off above the dregs or heavier particles of dirt that may be in it and below the scum or lighter portion that floats on it, and consequently is clean enough to be used for drinking when ice-water is desired.

In the accompanying drawing, Figure 1 is a central vertical section of a fountain having my improvement applied, and Fig 2 is a plan of the same with the top removed.

Similar letters of reference indicate corresponding parts in both figures.

A is the draft-stand or cooler, and B the metallic lining of the same. C is the stand-pipe before alluded to. It is divided into two compartments, *a* and *b*, by a web or diaphragm extending longitudinally through it. The smaller compartment *a* is for the reception of the waste-pipe D, and the larger compartment *b* receives the delivery-pipes E for the soda and mineral waters. On its lower portion the stand-pipe is provided with a flange, *d*, which is soldered to the metallic lining of the cooler, and thus is secured in place so that its joint is sealed. This pipe only just projects through the bottom of the

cooler, but the waste-pipe and the pipes for delivering the soda and mineral waters extend their several ways beyond it. The waste-pipe fits into a socket, *s*, in the stand-pipe, and is ground into place to constitute a stopple to prevent water from escaping around it through the stand-pipe. A nozzle, *e*, is screwed into the socket opposite it, to facilitate the withdrawal of the waste water. Some distance below the upper end of the stand-pipe there are in the waste-pipe a series of holes, *e e*, and below these there are others, *f f*, in the stand-pipe itself. The waste water derived from the melting of the ice in the cooler rises to the level of the holes *e e* in the waste-pipe, and flows into the compartment *a* through its inlet-holes *f f*, and thence through the holes *e e* into the waste-pipe. The water thus escaping enters the waste-pipe's compartment in a pure state, because it flows in below the scum that usually floats on the surface of the water, and above the dregs or heavier particles of dirt which usually lodge on the bottom of the cooler; therefore, it is fit for drinking, should any one desire ice-water. A hole, *g*, in the pipe, just above its flange *d*, affords a means of escape for the water in it when the cooler is emptied.

The advantage obtained by providing for the passage of all the soda and mineral water pipes and the waste-water pipe through the same opening in the cooler is twofold, inasmuch as there is but one joint to make tight in the bottom, besides reducing the number of holes needed in the bottom of the cooler or draft-stand.

What I claim as my invention is—

1. The combination, with a cooler or draft-stand for soda and mineral waters, of the stand-pipe having two compartments, one for the waste-pipe and the other for the delivery-pipes of the soda and mineral waters, substantially as and for the purpose herein set forth.

2. The combination of the waste-pipe D, perforated with holes *e e*, as described, and its compartment *a* of the stand-pipe, perforated some distance below the waste-pipe holes with holes *f f*, essentially as and for the purposes specified.

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Witnesses:

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