G. T. Palmer,

Soda Water Apparatus.

No. 46,581. Patented Feb. 28, 1865.

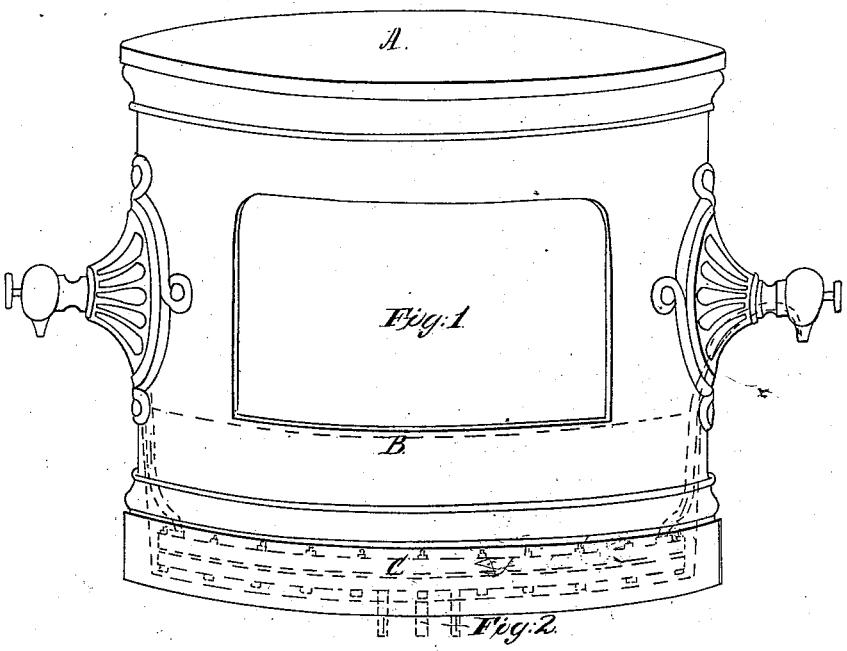


Fig: 1.

Fig: 2.

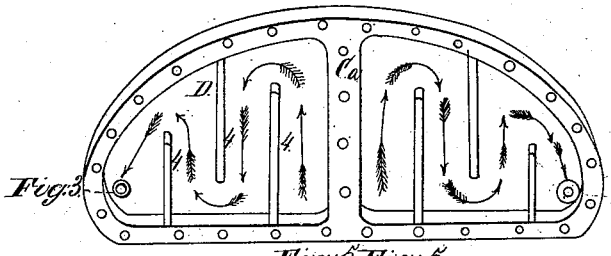
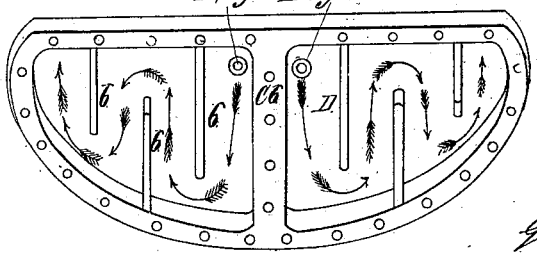


Fig: 3. Fig: 3.

Fig: 5. Fig: 5.



Witnesses:

Jas. Palmer

Arthur R. Walker

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Geo. T. Palmer.

UNITED STATES PATENT OFFICE.

GEORGE T. PALMER, OF BROOKLYN, NEW YORK.

IMPROVED SODA-WATER COOLER AND DRAFT-PEDESTAL.

Specification forming part of Letters Patent No. **46,581**, dated February 28, 1865; antedated February 20, 1865.

To all whom it may concern:

Be it known that I, GEORGE T. PALMER, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Soda-Water Refrigerator Draft-Tube or Pedestal and Cooler for the Soda-Water Counter; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters and figures of reference marked thereon.

The nature of my invention consists, first, in making the outside case of a soda-water refrigerator draft-tube or pedestal of any desired pattern with an opening and door on the side for the admission of ice and to give access to the interior; second, constructing a soda-water cooler with two hollow cast-iron plates combined with screw-bolts and suitable packing at the edges, having a sufficient space in the interior for containing soda-water and permit it to circulate and pass to the draft-pipes; third, coating the inside of the cast-iron cooler-plates with a suitable vitrified enamel to prevent any action of the soda-water upon the material or metal of the cooler.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Thus, I construct a counter refrigerator draft-tube or pedestal for soda-water, letter A representing in the accompanying drawing an oval pedestal or draft-tube.

Figure 1 is an opening and door for the reception of ice, &c., on its side. Letter B is a pan (represented by the blue lines) and affixed to the outside case for the purpose of containing the soda-water cooler and ice.

Figure 2 is a pipe to carry off the ice water. Letter C is a cast-iron enameled soda-water cooler made in two or more parts and bolted together, and indicated by the red lines. C *a* is the upper part of the cooler, showing the interior of it.

Figures 3 3 are apertures to which pipes are coupled for the purpose of passing the cooled soda-water to the draft-faucets.

Figures 4 4 4 are partitions to cause the soda-water to flow through the cooler in the course indicated by the red arrows. C *b* is the bottom part of the cooler.

Figures 5 5 are apertures to which pipes are coupled for the purpose of receiving the soda-water from the fountains into the cooler.

Figures 6 6 6 are corresponding partitions to Figures 4 4 4. D D is the inside of cooler lined with vitrified enamel.

The advantages gained by this method of constructing a counter refrigerator draft pedestal or tube and cooler is, first, it admits of the top of the case being permanently closed, thereby converting the mere draft pillar or case into a pedestal for the counter, upon which may be placed a vase or other aquarium as an appropriate and pleasing adjunct, or a piece of statuary or other object that would be troublesome to remove. Furthermore, a draft refrigerator constructed in this manner admits of a different arrangement of sirup-cans (when such are combined in the refrigerator) than at present practiced. The opening in the side can be placed sufficiently below the top to admit of flat sirup-cans occupying the upper part of the refrigerator, thereby allowing, in a given space, much more room for the cooler and ice. The method now used is for the cans to run from top to bottom, occupying much of the interior space.

The cooler being constructed of hollow plates admits of its being made to contain a large amount of soda water to be kept constantly cool, and a large amount of water may be drawn off before any difference in temperature will be perceptible. The cooling surface of the cooler can be increased by making it with hollow edges in form like a pan or dish. The drawing of the cooler, accompanying this, is flat, and does not cover the entire bottom of the refrigerator pedestal. The intent was to show space for sirup-cans placed in the usual form.

The coating of the interior of the cooler with vitrified enamel makes a surface for contact with the soda-water superior to any cooler now in use, therefore desirable.

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

1. The opening and door on the side of the refrigerator draft-pedestal.

2. The cooler made substantially as set forth and for the purpose described.

3. The coating or lining of soda-water coolers, as herein described.

GEO. T. PALMER.

Witnesses:

CHAS. E. FROST,

JAS. PALMER.