

(No Model.)

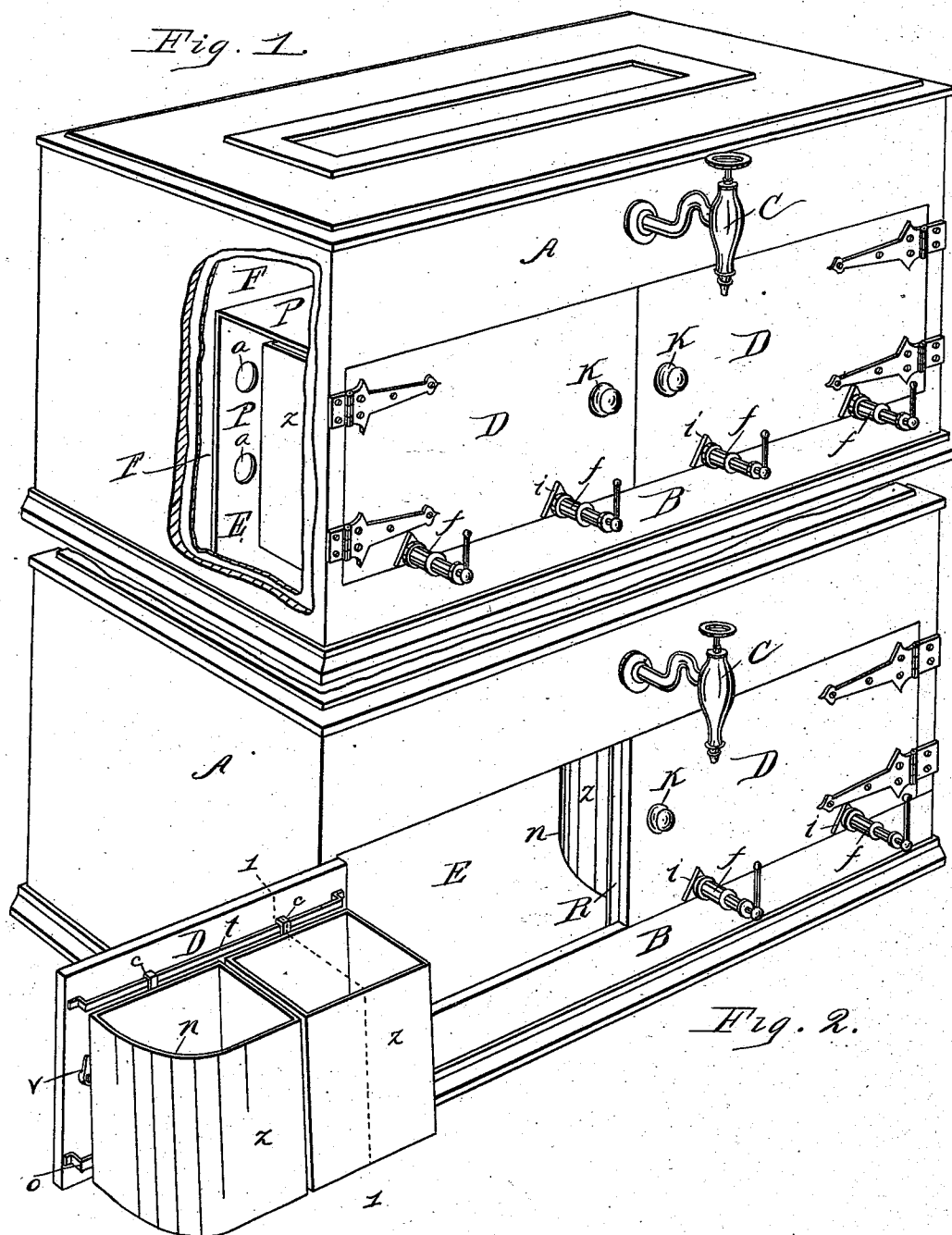
2 Sheets—Sheet 1.

O. J. PRICE.

SODA WATER DISPENSING APPARATUS.

No. 381,027.

Patented Apr. 10, 1888.



ATTEST.
C. W. Russell.
B. F. Wheeler.

INVENTOR.
Orrin J. Price
By B. F. Wheeler.
att'y.

(No Model.)

2 Sheets—Sheet 2.

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Fig. 6.

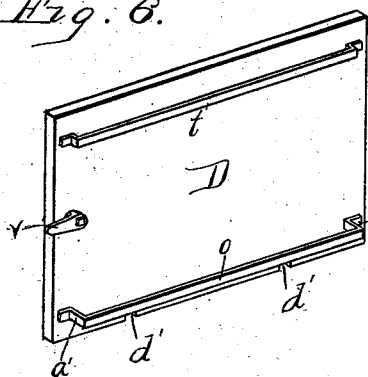


Fig. 3.

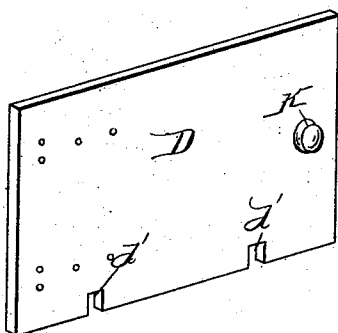
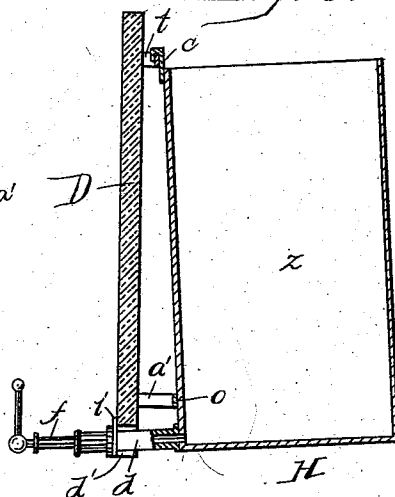


Fig. 5.

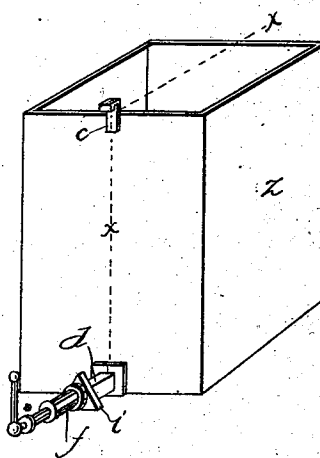


Fig 4.

ATTEST.
C. M. Russell.
B. F. Wheeler

INVENTOR.
Orrin J. Price.
Ramon B. Wheeler.
atty.

UNITED STATES PATENT OFFICE.

ORRIN J. PRICE, OF DETROIT, MICHIGAN.

SODA-WATER-DISPENSING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 381,027, dated April 10, 1888.

Application filed April 2, 1887. Serial No. 233,355. (No model.)

To all whom it may concern:

Be it known that I, ORRIN J. PRICE, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Soda-Water-Dispensing Apparatus; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to an apparatus for dispensing soda-water and the like.

The object of my invention is to construct an apparatus for dispensing soda-water and like charged fluids that will be simple in its construction, durable, and cheap.

The improved features of the apparatus have reference particularly to the construction of the front of the device, whereby the sirup-cans are each provided with a faucet and are attached to the inner face of the doors, so as to swing outward with said doors when opened, to aid in filling said cans with sirup, and when the doors are closed the sirup-cans are projected into a cooling-chamber, and said sirup-cans are made detachable, so as to remove them from the doors for the purpose of cleaning or filling them; and my invention consists in the construction of parts, as hereinafter fully specified, and indicated particularly in the claims.

In the accompanying drawings, (shown on two sheets,) forming a part of the specification, Figure 1 is a perspective of my improved apparatus having the end broken away to show internal perforated partition. Fig. 2 is a perspective showing one of the doors as opened with sirup-cans attached thereto. Fig. 3 is an enlarged section of one of the doors and a sirup-can, taken on dotted lines of Figs. 2 and 4. Fig. 4 is a perspective of one of the sirup-cans and its faucet. Fig. 5 is a front face view of one of the doors. Fig. 6 is a back face view of one of the doors.

A in the drawings represents the case of the apparatus; C, the common draft-tube; B, the front base-rail; D D, the front doors.

P is an L-shaped partition located in the

apparatus, dividing it, forming the chambers F and E, extending from end to end of the case. The chamber F is for the ice and circulating-pipes. The vertical portion of the partition is provided with a series of holes or perforations, *a*, to allow the cold air to pass into the chamber E to properly cool the sirup in the sirup-cans located in said chamber.

Z represents the sirup-cans, each being provided with a faucet, *f*, at the bottom to draw the sirup from each can as desired, allowing the cans to stand in the chamber E and to have the doors D closed, as shown in Fig. 1.

The cans Z are attached to the back face of the doors D and swing on said doors when opening and closing them, as shown in Fig. 2. Each can has a faucet, *f*, with a square shank, *d*, and a triangular collar, *i*. (See Fig. 4.) In the bottom edge of each door D, I form a notch, *d'*, to receive the square stem *d* of the faucet, as shown in Figs. 3 and 5. The notches *d'* are made deep enough to receive freely the stems *d* and to bring the lower edge or face of each stem on a horizontal plane slightly above the under edge of the doors D when a can is attached to the door, as shown in Fig. 3. I attach to the upper edge of each door a projecting bar, *t*, and to the bottom edge of each door a like bar, O, excepting I form the arms *a' a'* longer than the arms of the upper bar, as clearly shown in Figs. 3 and 6. To the upper end of each can, at the front, I attach a hook, *c*, which engages with the bar *t*, supporting the can, as clearly shown in Figs. 2, 3, and 4.

K K are knobs attached to the swinging ends of the doors, having the turn-buttons *v v* attached to the inner ends. Said buttons or arms *v* engage with the back face of the bar R in the front of the case, whereby said doors are kept closed. This is an old feature.

The cans are attached to a door in the following manner, (the door being open, as shown at the left of Fig. 2:) By placing the front of a can facing the back of the door, then raising the can slightly, bringing the neck *d* of its faucet into the notch *d'* at the bottom of the door, with the collar *i* against the front of the door, then engaging the hook *c* with the bar *t*, the can will be securely attached, as shown in Figs. 2 and 3.

It will be observed on looking at Fig. 3

that by making the arms a' of the bar O longer than the arms of the upper bar, t , the cans Z are secured to the back face of the door on a slant, the bottom edge of each can being at a greater distance from the back face of the door than the top, whereby the bottom H of each can is inclined and the free end of the faucet f is thrown down. This is to allow the sirup to be entirely drawn from the can.

To remove a can from the door, it is first raised slightly to release the hook c from the bar t . Then it is slightly lowered to allow the stem d of the faucet to slide out of the notch d' of the door, when the can will be detached.

In Fig. 2 I show the cans attached to the free or swinging ends of the doors, with a rounded face at n . This is to allow the doors to be freely closed and opened and not allow the can of one door to strike the can of the other or the bar R; but when using round cans they are formed alike. Square cans are preferable, as they give a broad bearing on the bar O, holding the can steady.

When the doors are closed, the cans are held in the cooling-chamber E, the sirup being drawn through the faucets f , and said doors are only opened to fill the sirup-cans.

Having fully set forth my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the case, the door in the front, the cooling-chamber, and the sirup-cans attached to the back face of the door, having a faucet projecting through the door, said cans and faucets swinging with the door, as and for the purposes set forth.

2. In a device for the purposes specified, the combination of the case having the perforated L-shaped partition, the doors hinged to the front of the case, having the notches or inlets at the bottom, and the cans having faucets the necks of which fill the openings at the bottom of the doors, said cans being attached to the back face of the doors, the faucets projecting through the doors, and with the cans swing on said doors when opening and closing them, as and for the purposes specified.

3. In a device as set forth, the combination of the case, having the swinging door at the front opening into the cooling-chamber, and a vessel having a faucet attached at the bottom thereof, said vessel being attached to the back face of the door in such a manner as to project the faucet through the bottom of the door, the faucet and the can standing on an incline, substantially as and for the purposes set forth.

4. In an apparatus as set forth, the combination of the case, having a door opening into a chamber at the front, the opening d' at the bottom of said door, and the detachable can having a faucet made fast thereto, said can and faucet being mounted on the door in an inclined position, as and for the purposes specified.

In testimony whereof I affix my signature in presence of two witnesses.

ORRIN J. PRICE.

Witnesses:

J. M. PRICE,

R. B. WHEELER.