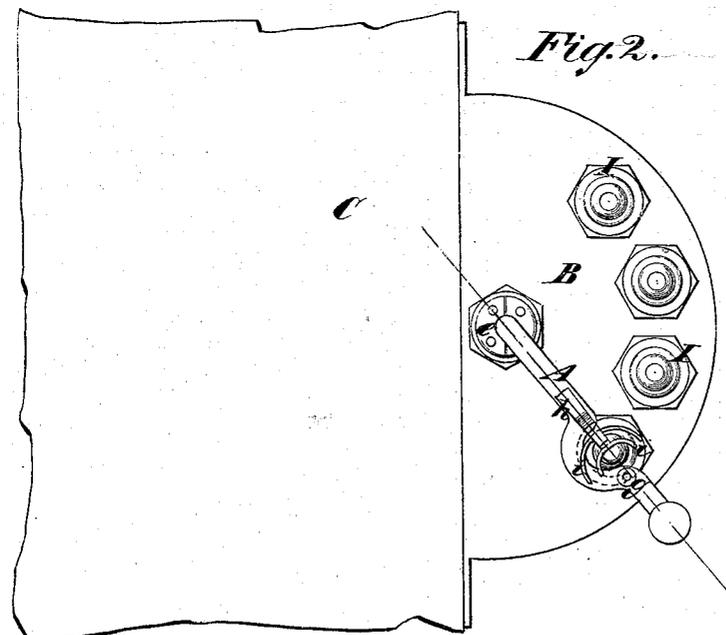
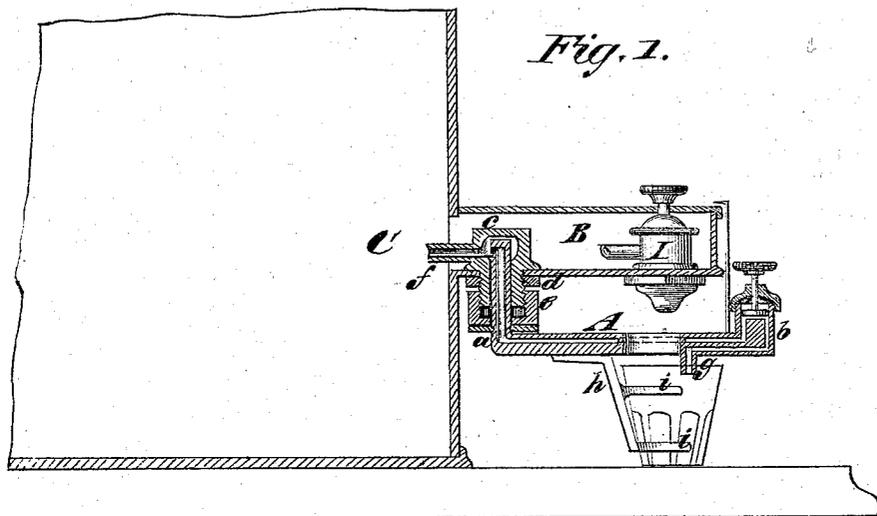


W. GEE.

Dispensing Apparatus for Soda Water.

No. 137,195.

Patented March 25, 1873.



Witnesses
John Becker
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UNITED STATES PATENT OFFICE.

WILLIAM GEE, OF NEW YORK, N. Y.

IMPROVEMENT IN DISPENSING APPARATUS FOR SODA-WATER.

Specification forming part of Letters Patent No. 137,195, dated March 25, 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 Improvements in Dispensing Apparatus for Soda-Water, &c., of which the following is a specification:

The object of this invention is to afford increased facility for dispensing soda-water and the sirups employed in flavoring it, so as to enable the operation to be performed with greater rapidity. It consists in a swinging arm furnished with a cock, whereby the soda-water may be delivered from the apparatus in proximity to the sirup with which it is to be flavored. It also consists in the combination, with this draft-arm, of a series of sirup vessels or cocks, arranged in an arc of a circle concentric with the point from which said arm swings, whereby the arm may be shifted to bring its outlet-orifice in a position adjacent to the sirup-outlet, so that both the soda-water and its flavoring-sirup may be delivered into the tumbler at the same time, and the necessity of applying the tumbler first to one cock and then to another is obviated. It also consists in the combination, with the draft-arm, of a tumbler carrier or guide, whereby the tumbler for containing the beverage is always in proper position to receive the draft from the apparatus no matter from which sirup-cock the flavoring mixture is drawn.

Figure 1 in the drawing represents a central longitudinal section of the draft-arm, and the adjacent portion of the apparatus; and Fig. 2 is an inverted plan of the same.

Similar letters of reference indicate corresponding parts in both figures.

A is the draft-arm before mentioned. It terminates at each end in an upright portion; the one at the inner end communicates with the soda-water reservoir, and the one, *b*, at the outer contains the cock or valve by which the delivery of the soda-water is controlled. This draft-arm is secured to the under side of a chamber or offset, B, on the front of the cooler C. This chamber was embraced in a patent issued to me for soda-water draft apparatus, December 10, 1872, and therefore will need but a brief description. It is of semicircular form, and projects out considerably from the front of the cooler C. In it are situated the cocks I, I, for governing the escape of the flavoring-

sirups, and these are arranged in a line concentric with the point where the draft-arm is pivoted to the chamber. The draft-arm is secured to this chamber in the following manner: A flanged head, *c*, having a screw-threaded shank is arranged in the chamber so that its shank projects through the bottom thereof. A nut, *d*, screwed on the shank outside the chamber secures the head in place, and a cap, *e*, screwed onto the end of the shank forms a stuffing-box, which is filled with hemp or other packing material. The upright terminal portion at the rear end of the draft-arm passes up through this stuffing-box into the head *c*, and communicates with a pipe, *f*, leading to the soda-water reservoir. A plate made in two parts is secured to the bottom of the cap so that its inner edge fits in a groove in the draft-arm. By this means the latter is supported, and by the stuffing-box all breakage around it is obviated. The horizontal part of the draft-arm is straight, with the exception that opposite the sirup-cocks it is bent or curved aside so as not to interfere with the flow of sirup into the glass. Just beyond this curved portion is the delivery-orifice *g*. There is one passage directly through the arm from the end that communicates with the soda-water reservoir to a small valve-chamber in the upright portion *b*. From this valve-chamber there is a return passage, leading to the escape-orifice before mentioned. The valve is of the disk kind, and is operated by a screw-threaded shank working in the cover of the chamber. It governs the communication between the two passages, and thereby controls the escape of the soda-water. On the arm, near the valve or cock just described, there is an index, which points to inscriptions on the top of the chamber B, opposite the sirup-cocks, designating the different kinds of flavors which they contain. On the under side of the arm, just in rear of the curve or bend before mentioned, is what may be termed a tumbler guide or carrier. It consists of a pendent arm, *h*, having curved branches or fingers *i i*, which embrace the tumbler used for holding the beverage, and insure its always being in the proper place to receive the draft.

This dispensing apparatus is very compact, and by it the operation of dispensing soda-

water is much facilitated, as will be evident upon a description of the mode of operation. The tumbler is placed in the guide or carrier *h*, and as soon as the customer names the sirup he desires to have the draft flavored with, the operator with one hand pushes the tumbler over the counter to the cock containing that sirup, and with the other hand he opens the cock, and also that controlling the egress of soda-water, so that both liquids flow into the tumbler from almost the same spot; and therefore all necessity for shifting the tumbler first to the sirup-cock and then to the soda-water cock is obviated, and considerable time is saved.

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

1. The swinging draft-arm for soda-water apparatus, substantially as specified.

2. The circularly-arranged series of sirup cocks or vessels, in combination with the draft-arm, substantially as and for the purpose herein set forth.

3. The tumbler guide or carrier *h i*, in combination with the draft-arm, essentially as and for the purpose specified.

WILLIAM GEE.

Witnesses:

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