(No Model.)

W. GEE.

APPARATUS FOR DISPENSING SODA WATER, &c.

No. 409,955. Patented Aug. 27, 1889.

Fig. 1.

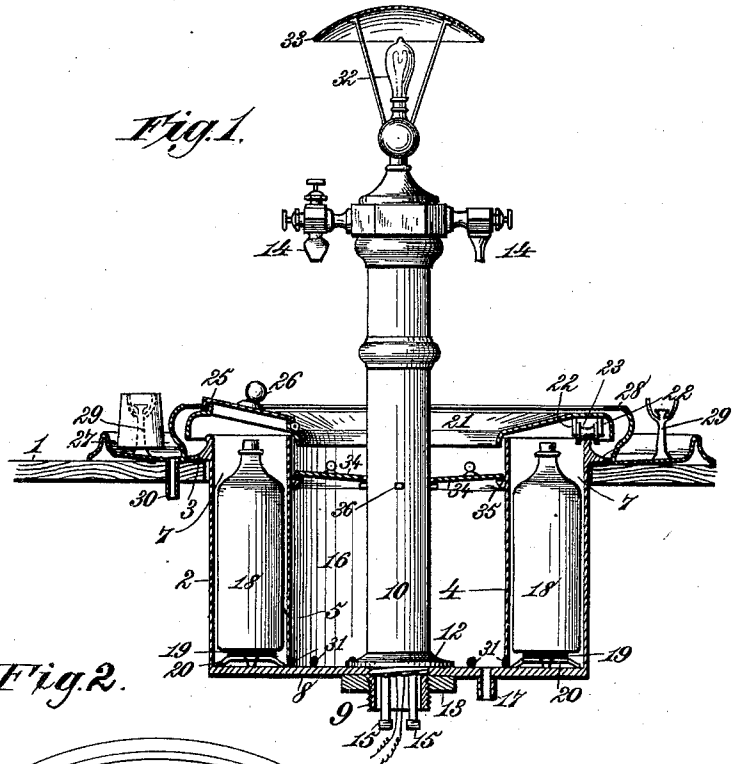


Fig. 2.

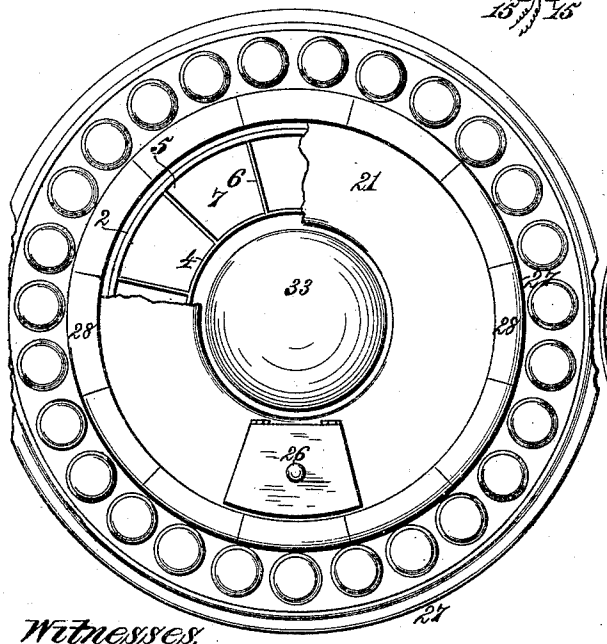
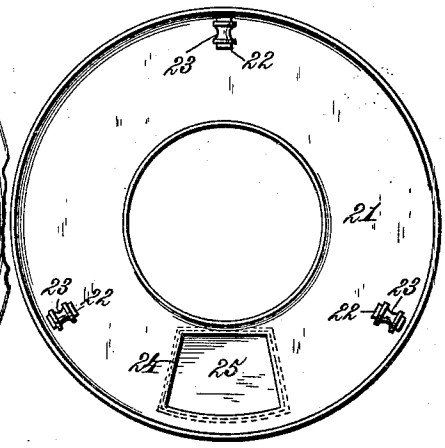


Fig. 3.



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UNITED STATES PATENT OFFICE.

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APPARATUS FOR DISPENSING SODA-WATER, &c.

SPECIFICATION forming part of Letters Patent No. 409,955, dated August 27, 1889.

Application filed May 8, 1889. Serial No. 310,003. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM GEE, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Apparatus for Dispensing Soda or Mineral Waters, of which the following is a specification.

My invention relates to apparatus for dispensing soda or mineral waters, with the usual flavoring-sirups; and the purpose thereof is to provide a simple and economical construction and combination of parts whereby the sirups and the coils by which the soda or mineral waters are supplied may all be cooled by the same refrigerating medium, the ice-box and the container for the sirup-bottles being arranged below the level of the counter and out of the way of the attendant.

It is a further purpose of my invention to provide a tumbler washer and drainer of simple construction, and to combine with the sirup-receptacle a traveling cover having one or more hinged or pivoted lids, which may be brought over the proper sirup-compartment and opened to enable the attendant to remove and replace the bottle.

The invention consists in the novel construction and combination of devices hereinafter described and claimed.

Referring to the accompanying drawings, Figure 1 is a central vertical section of an apparatus embodying my invention. Fig. 2 is a plan view of the same. Fig. 3 is a bottom plan view of the annular traveling cover.

In the said drawings, the reference-numeral 1 designates the counter or other similar support in which is formed a circular opening of suitable size. Within this opening is inserted a casing having a vertical outer wall 2, which substantially fits said opening, and which is provided at or near its top with a circumferential flange 3, resting upon the counter and supporting the casing. In the preferred construction the top of the casing projects somewhat above the surface of the counter, as shown in Fig. 1.

Within the outer wall 2 is formed a concentric circular wall 4, which forms in conjunction with the outer wall an annular chamber 5. This chamber is divided by radial partitions 6 into compartments 7, of any desired size. The outer and inner walls 2 and 4 are attached at the lower edges to a horizontal floor-plate 8, centrally formed in which is an opening receiving the threaded end 9 of a tubular standard 10, a circular flange 12 resting on the floor-plate 8, and a nut 13 being turned on the threaded end 9 until it rests against the under surface of the floor-plate. The standard 10 rises to any suitable height above the counter, and is provided with faucets 14, from which soda and mineral waters may be drawn through pipes 15, connected to said faucets.

Between the standard 10 and the inner wall 4 is an annular space 16, in which broken ice may be placed, by which the service-pipes 15 and the entire series of compartments 7 are kept cool, the ice-chamber being drained by a waste-pipe 17.

The several bottles 18, containing the flavoring-sirups, are placed in the compartments 7, as shown in Fig. 1, each bottle resting upon a cushion composed of a base 19, of rubber or other material, having elastic foot-pieces 20, formed of spring hard-rolled brass and resting on the floor-plate 8.

The annular chamber 5 is covered by an annular plate 21, near the outer edge whereof are formed at intervals lugs 22, depending from its under surface and receiving the journals of grooved rolls 23, which travel upon the edge of the outer circular wall 2. The margin of the cover-plate 21 is bent downward to cover these rolls, and its inner edge is also turned down to overlap the edge of the inner wall 4 and stiffen the cover-plate.

At a suitable point in the annular cover-plate 21 is formed an opening 24, over which is placed a hinged cap 25, hinged upon the inner edge of the opening 24, and provided with a suitable knob 26.

Surrounding that portion of the outer wall 2 which rises above the counter 1 is a sheet-metal drip-trough 27, the inner edge thereof being carried upward and then turned inward to form a circular flange 28, surrounding the annular cover-plate. Upon this flange are displayed the names of the various sirups in the compartments 7.

Tumbler-rests 29 are placed at intervals in

the trough 27, to serve as drainers, although they may also be provided with channels for spraying water into the suspended tumblers.

Waste-pipes 30 drain the trough 27, and apertures 31 in the inner wall keep the compartments 7 free from water of condensation.

The tumbler-rests 29 and drip-trough 27 may be omitted, in which case the plain S-shaped flange 28 surrounds the casing.

The coils supplying the faucets may be arranged in the ice-chamber 16, instead of being carried up inside the standard 10. Upon the top of the latter is placed an incandescent electric or other lamp 32, surmounted by a reflector 33, by which the light is cast downward.

It will be seen that the sirups are not only preserved from flies and other insects, but that they are conveniently cooled by the ice used on the coils of the service-pipes, while the whole structure, with the exception of the standard, is dropped so nearly to the level of the counter that it cannot interfere with the customer or attendant.

The ice-chamber is closed by semi-annular cover-plates 34, resting upon flanges 35 on the inner wall 4, and upon lugs 36 on the standard 10.

In use, the attendant turns the annular cover until the hinged cap 25 comes opposite the name of the sirup desired, whereupon the cap being thrown back the bottle is removed and the sirup obtained. In returning the bottle the cushion 19 receives the same, and the elastic yield of its supporting-feet 20 takes up the shock and prevents fracture should the attendant allow the bottle to drop before it is lowered to the bottom.

What I claim is—

1. In a soda-water apparatus, the combination, with an annular chamber divided into compartments each open at its top end to receive the sirup-bottles, of an annular cover-plate supported by and traveling horizontally upon the top of said chamber, and having an opening covered by a movable cap for the insertion and removal of each bottle when brought in coincidence with the top thereof, substantially as described.

2. In a soda-water apparatus, the combination, with an annular chamber divided into compartments to receive the sirup-bottles, of an annular cover having rolls resting and traveling upon the circular edge of one wall of said chamber and provided with a single opening covered by a hinged cap, substantially as described.

3. In a soda-water apparatus, the combination, with a counter having a circular opening, of a casing inserted therein, and having an annular chamber divided into compartments to receive the sirup-bottles, an annular traveling cover resting upon the walls of said chamber, and a central standard having faucets for the service-pipes, an annular ice-chamber being formed between the standard and the annular chamber, substantially as described.

4. In a soda-water apparatus, the combination, with a circular casing having an annular series of compartments for the sirups, of an annular cover-plate having rolls traveling upon the edge of the wall of said compartments and provided with a hinged cap covering a single opening giving access to the sirup-chambers, and a circular S-shaped flange surrounding the casing and having the names of the sirups displayed thereon opposite each compartment, substantially as described.

5. In a soda-water apparatus, the combination, with a circular casing having an annular series of compartments for sirups, of an annular cover-plate having circular movement on said casing and provided with a movable cap giving access to a single compartment, and a circular tumbler-trough surrounding the casing and provided with a raised flange displaying the names of the sirups opposite the several compartments, substantially as described.

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

WILLIAM GEE.

Witnesses:
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