

(No Model.)

T. C. RILEY.
SODA FOUNTAIN.

No. 515,057.

Patented Feb. 20, 1894.

Fig. 1.

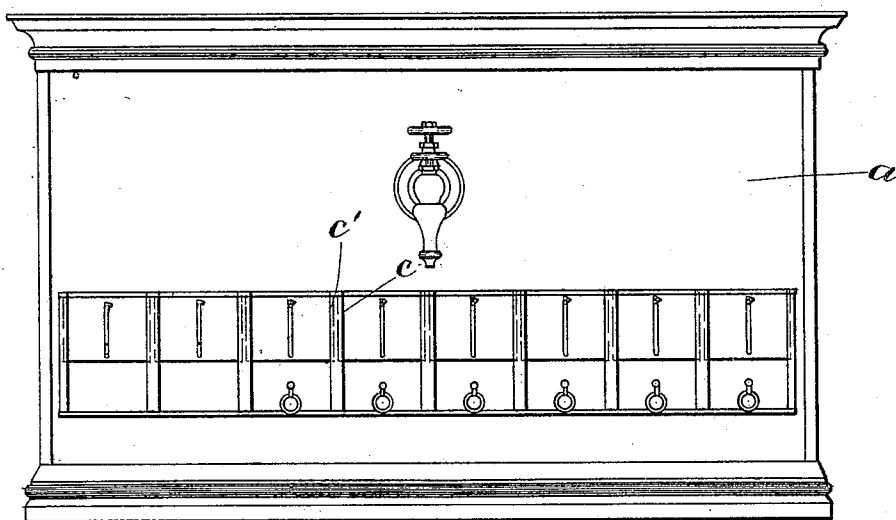


Fig. 2.

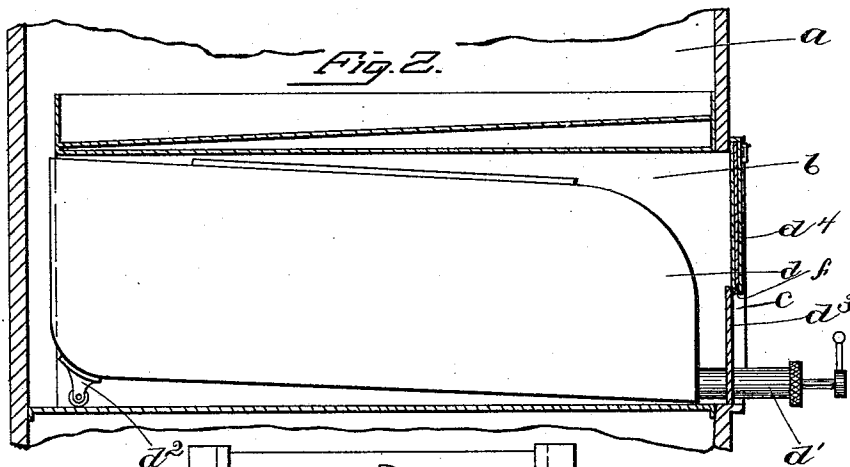
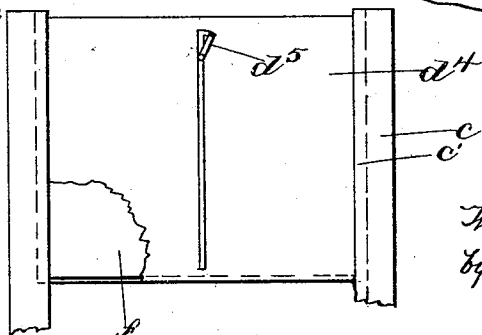


Fig. 3.



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UNITED STATES PATENT OFFICE.

THOMAS C. RILEY, OF BOSTON, MASSACHUSETTS.

SODA-FOUNTAIN.

SPECIFICATION forming part of Letters Patent No. 515,057, dated February 20, 1894.

Application filed May 22, 1893. Serial No. 475,005. (No model.)

To all whom it may concern:

Be it known that I, THOMAS C. RILEY, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Soda-Fountains, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to improve the construction of soda fountains, of that class or description where the sirup cans are withdrawn horizontally at the front.

In accordance with this invention the sirup cans are contained in separate can-receiving chambers or compartments, and means are provided whereby said chambers or compartments are separately closed, preferably manually, when the can is withdrawn, to prevent the entrance of warm air, which quickly and materially raises the temperature of the vacant chamber, as well as the adjacent chambers, and a main cooling chamber which is in open communication with the can-receiving chambers. When the can is inserted the front opening of the chamber is herein shown as closed in part by a false front rigidly connected with the can, the remaining portion of said front opening being closed by a vertically sliding plate. The can-receiving chambers or compartments each have horizontal bottoms, upon which the cans rest, and a roller, caster, or equivalent device is secured to the under side of each can at or near its rear end which serves the double purpose of facilitating the free introduction of the can, and also for raising the rear end of the can in order that the sirup contained therein may flow toward the front end. Yet my invention is not confined to any particular construction of can-receiving chamber.

Figure 1, shows in front elevation a soda fountain embodying this invention; Fig. 2, an enlarged longitudinal vertical section of one of the can-receiving chambers, and sirup cans therein, and Fig. 3, a detail of the manually operated closing device for the can-receiving chamber.

The case *a*, of the soda fountain may be made of any suitable shape, size, and design. Arranged horizontally within the case *a*, side by side, and preferably extending from end

to end, is a series of separate or independent chambers *b*, the bottom wall of each of said chambers being herein shown as made horizontal, and the rear ends of said separate chambers being in open communication with the main cooling compartment. The side walls of said chambers are made of thin sheet metal, and a narrow vertical strip *c*, of metal or other material is secured thereto, thereby forming a partition between the front openings. The cans *d*, are of suitable shape to be freely introduced into the chambers or compartments *b*, through the front opening, and are provided with lids at their upper sides for the introduction of the sirup, and at the front end with a suitable faucet *d'* by means of which the sirup may be withdrawn. Two or more rollers or casters *d''*, are suitably supported upon the under side of each can at or near its rear end to facilitate introducing the can, and also to raise the rear end of said can in order that the sirup may more readily flow toward the front end.

A small false front or plate *d'''*, is rigidly connected with each can as for instance it may be rigidly secured to the stem of the faucet, and it may be made wide enough to snugly fit between the vertical strips *c*, and high enough to partially close the front opening. To completely close said front opening, when the can is in position, with the false front partially closing said opening, a vertical slide or plate *d''''*, is provided which slides in grooves *c'*, see dotted lines Figs. 1 and 3, formed in the sides or edges of the strips *c*. To remove the can, the slide *d''''*, will be raised, and the can then withdrawn.

To completely close the can-receiving opening when the can is withdrawn, I have herein shown a supplemental slide *f*, concealed within a recess formed in the slide *d''''*, said slide being held in its elevated position by a suitable latch *d'''''*, engaging a shoulder formed in the outer face of said slide *d''''*. The supplemental piece *f*, may be otherwise connected with the piece *d''''*, and adapted to co-operate therewith to close the front opening when the chamber is vacant. After the can is withdrawn this latch will be disengaged from the shoulder and the supplemental slide *f*, be permitted to fall thereby completely closing the

front opening. This is important because it absolutely prevents the air of higher temperature from entering the vacant chamber, cooling it, and the chambers adjacent thereto.

5 In my application, Serial No. 473,896, filed May 12, 1893, I have shown and broadly claimed closing devices to close the same when the chamber is vacant, in combination with means for closing the front openings of said chambers when the cans are in position, and hence I limit my present invention to the specific form or construction of closing device.

I claim—

1. In a soda fountain, the combination of a series of separate horizontally arranged can-receiving chambers in open communication with a main cooling chamber, sirup cans contained in said chambers, means for closing the front openings of said separate chambers, consisting of false fronts d^3 , connected with the can, slides d^4 , and the supplemental piece f , which cooperating with the slide d^4 , closes

said front opening when the chamber is vacant, substantially as described.

2. In a soda fountain, the combination of a series of separate horizontally arranged can-receiving chambers in open communication with a main cooling chamber, sirup cans contained in said chambers, means for closing the front openings of said separate chambers, consisting of false fronts d^3 , connected with the can, slides d^4 , and the supplemental piece f , which cooperating with the slide d^4 , closes said front opening when the chamber is vacant, and a manually operated latch for normally holding said supplemental piece in elevated position, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOMAS C. RILEY.

Witnesses:

B. J. NOYES,

EVA S. ROUNDS.