No. 702,133. Patented June 10, 1902.

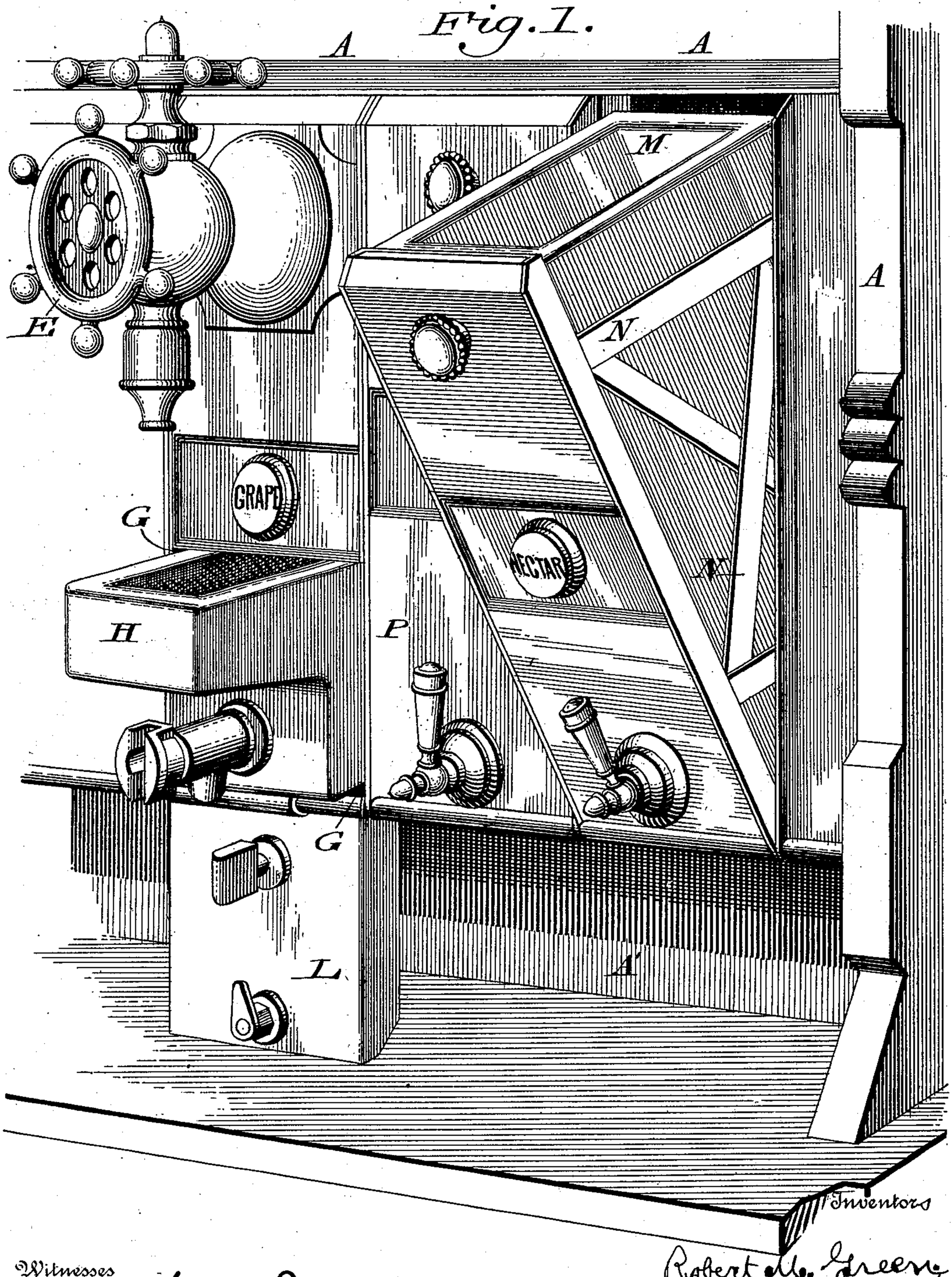
R. M. GREEN & R. M. GREEN, Jr.

SODA WATER APPARATUS.

(Application filed Feb. 25, 1901.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.



Witnesses
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L. Bouville

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Fig. 2.

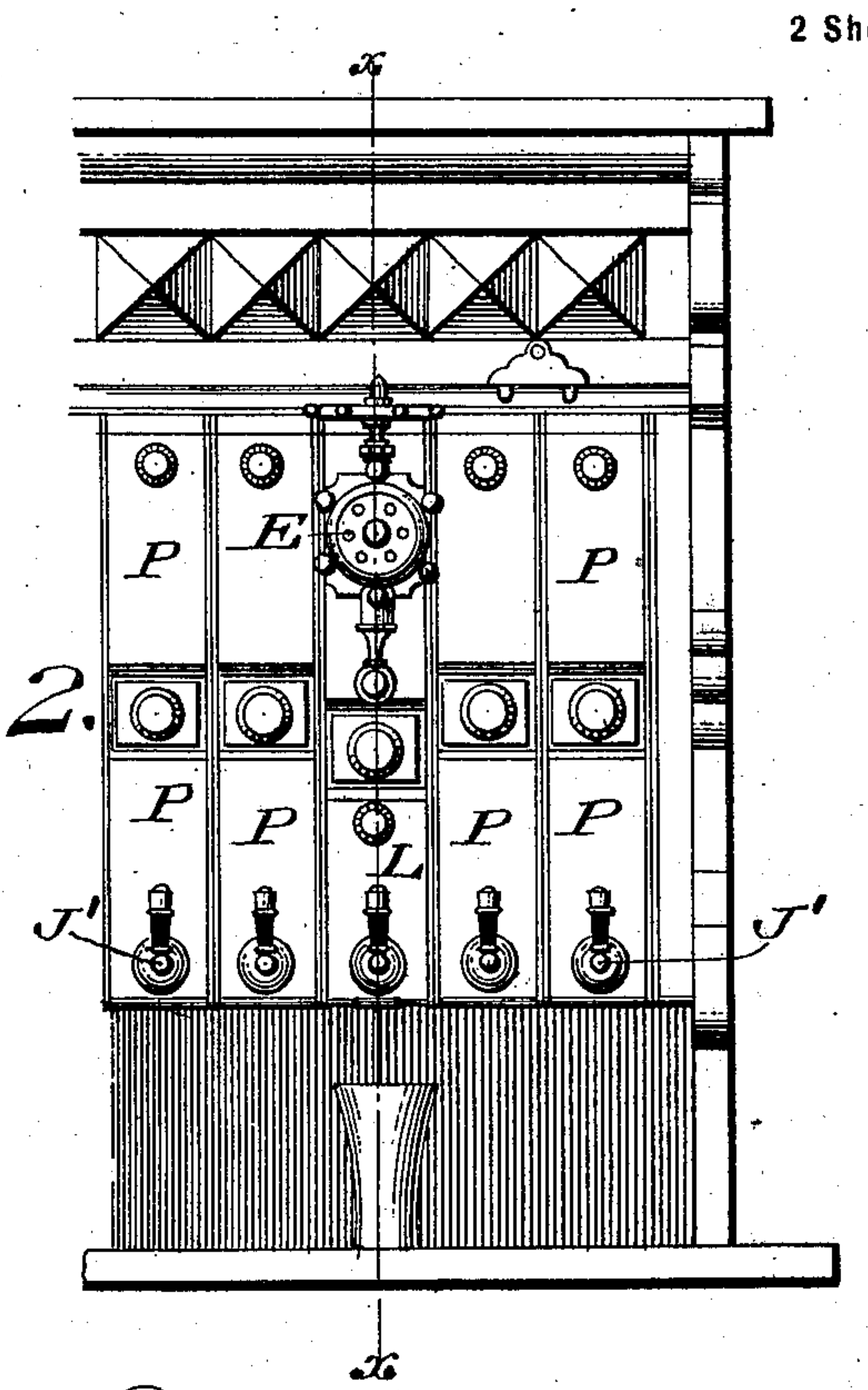

Fig. 3.

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UNITED STATES PATENT OFFICE.

ROBERT M. GREEN AND ROBERT M. GREEN, JR., OF PHILADELPHIA, PENNSYLVANIA.

SODA-WATER APPARATUS.

SPECIFICATION forming part of Letters Patent No. 702,133, dated June 10, 1902.

Application filed February 25, 1901. Serial No. 48,767. (No model.)

To all whom it may concern:

Be it known that we, ROBERT M. GREEN and ROBERT M. GREEN, Jr., citizens of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Soda-Water Apparatus, of which the following is a specification.

Draft-tubes in tilting-can fountains have heretofore been located either on that part of the case above the syrup jars or tanks, and when thus placed are so high as to be inconvenient of operation, or they are mounted upon panels between the syrup jars or tanks, each draft upon a separate panel, which panel is usually about three inches in width and the space occupied by which serves no other purpose than to carry a draft-tube. The portion of the panel under the tube and the space in the fountain back of the same is unused or lost. As compactness is one of the things of most importance in a soda-fountain, the loss of this space is of considerable moment. For instance, if there are six drafts (not an uncommon number) and the panel allotted to each is three inches wide there are eighteen inches of the fountain-case that serve no other purpose than to carry the draft-tubes. Furthermore, it is obvious that if these six spaces were used for syrup-tanks and the fountain was otherwise designed for twenty-four tilting syrup-tanks and the six spaces under the draft-tubes could be used for six additional syrups the capacity of such a fountain would be increased to thirty syrups instead of twenty-four without increasing the space occupied by the fountain and without increasing the length thereof, thus utilizing what has been heretofore a serious waste of space and a waste of costly material, which is even more serious.

It is the object and purpose of our invention to utilize the spaces under the draft-tubes by the insertion of a syrup-tank, preferably of the "sliding" or "drawer" type, shown in the drawings attached to this specification.

The invention consists in locating all the draft-tubes on the panels between the tilting tanks, so as to bring them within easy reach of the operator, and also to utilize the otherwise vacant space below the draft-tubes by inserting a sliding or horizontal tank, thereby acquiring an additional syrup for every draft-tube without increasing the length of the fountain. The draft-tube is connected with a portion of the wall of the casing in front of the main chamber C, said wall being cut away below said portion, forming an inlet to the supplemental chamber G below said main chamber.

Figure 1 represents a perspective view of a soda-water apparatus embodying our invention. Fig. 2 represents a front view thereof on a reduced scale. Fig. 3 represents a vertical section thereof on line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates the frame or casing of a soda-water apparatus; B, the ice-box therein; C, the front chamber, in which is located the tilting syrup-tanks and through which passes the supply-pipe D of the draft-tube E, and F the coils for cooling the carbonated waters.

G designates a chamber which exists below the ice-box B and chamber C and communicates with the latter. In said chamber G is placed the horizontally-arranged syrup jar or tank H, which is provided with the faucet J and supported on the base-plate K, the latter having hinged to it the drop-door L for said jar H and having journaled therein a handle J′ to operate the discharge-plug of said faucet J. It will be seen that provision is made for the employment of an additional syrup-jar, as at H, below the draft-tube, where such jar has not heretofore existed.

M designates tilting or upright syrup jars or tanks, and N the usual holders therefor, said holders having facings P thereon.

It will also be noticed that the chamber G is set out from the bottom portion of the casing A, as are also the chambers aside of said chamber G, so that the several chambers overhang the space in front of said bottom portion, thus providing a place for the glasses or drinking vessels. The axis of the door L is parallel with the axes of those of the side chambers at the front of the base-plate K of the chamber.

We prefer the horizontal type of syrup-tank because of the facility with which the same can be replenished with syrup. As is well known, the mouth or open side of a tilting or upright tank is located at or near the top of the apparatus, and to replenish the same with syrup the operator, unless he be very tall, is obliged to use a ladder or box, which is in his way when he is through with the same and is a general nuisance in front of the fountain. By using the horizontal tank (which may be replenished by the operator while he is standing on the floor) for the leading syrups (those requiring replenishing the most frequently) it is obvious the operator will be spared the use of the ladder or box for replenishing his syrup-tanks in a large number of instances.

We do not limit ourselves to any particular type of syrup-tanks in the spaces under the draft-tubes, as it is obvious any form of syrup-tank may be used without departing from the spirit of our invention.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a soda-water apparatus, a main chamber, a draft-tube, a wall in the front of said chamber sustaining said tube, a supplemental chamber below said main chamber, an opening below said wall in communication with said supplemental chamber, a tank in the supplemental chamber, tanks in the main chamber aside of said wall and supplemental chamber, and doors for said main and supplemental chambers.

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