

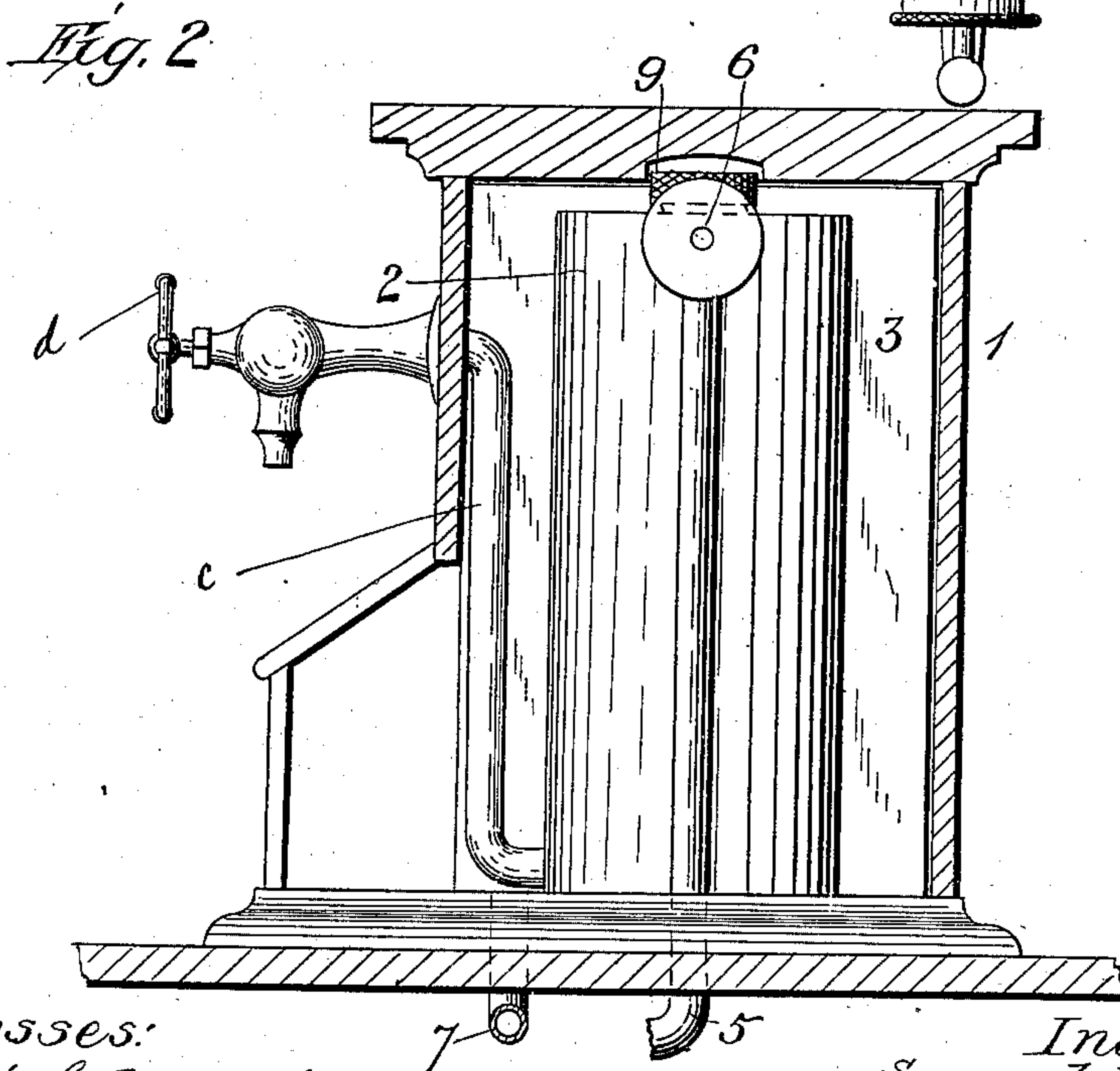
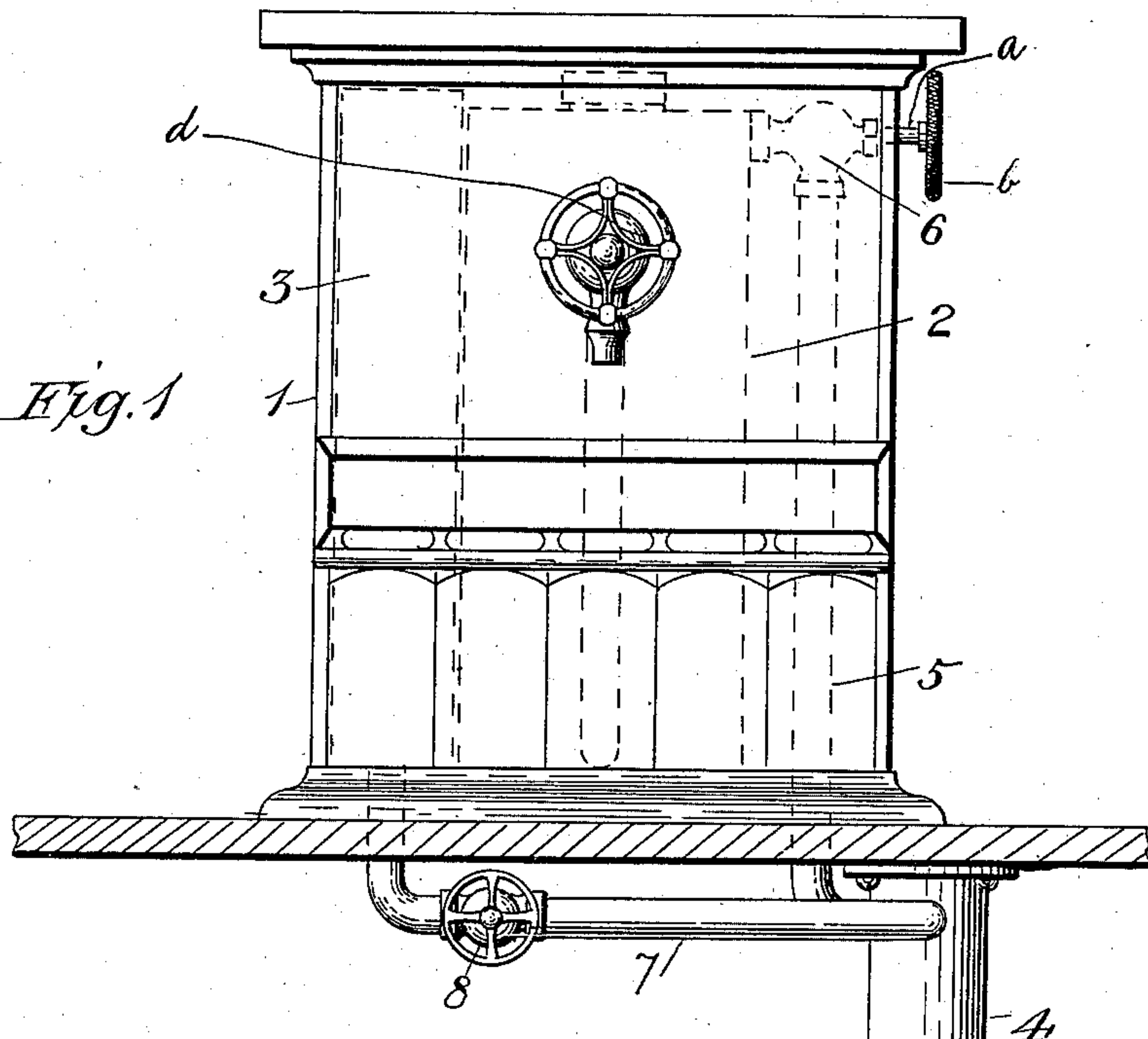
No. 661,818.

Patented Nov. 13, 1900.

S. J. ROGERS.
SODA FOUNTAIN.

(Application filed Apr. 3, 1900.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

SAMUEL J. ROGERS, OF MARION, INDIANA.

SODA-FOUNTAIN.

SPECIFICATION forming part of Letters Patent No. 661,818, dated November 13, 1900.

Application filed April 3, 1900. Serial No. 11,317. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL J. ROGERS, a citizen of the United States, residing at Marion, in the county of Grant and State of Indiana, have invented new and useful Improvements in Soda-Fountains, of which the following is a specification.

My invention relates to improvements in soda-fountain apparatus.

It has for its object principally to provide for the ready charging of the chambers containing certain liquids used in this class of apparatus, as well understood, with air-pressure and to effect the refilling of the main chamber or tank from a supplemental chamber or tank by the same means as employed to supply air-pressure thereto.

It consists of the combination and arrangement of parts, including their construction, substantially as hereinafter more fully disclosed, and specifically pointed out by the claim.

In the accompanying drawings, illustrating the preferred embodiment of my invention, Figure 1 is a front elevation of a soda-fountain made in accordance with my invention. Fig. 2 is a sectional elevation.

Latitude is allowed herein as to details, as they may be changed without departing from the spirit of my invention and the same remain intact and be protected.

In carrying out my invention I provide the usual closure or cabinet 1, as generally employed in this connection, adapted to contain in its lower front portion the various syrup bottles or receptacles. In this closure are also placed two tanks or chambers 2 and 3 to contain the liquids or chemicals used in this class of apparatus, the chamber or tank 3 occupying substantially the entire space within the casing 1. The tank 2 is located within the chamber 3 and is preferably cylindrical in shape.

An air-pump 4 of any suitable type is arranged and secured upon the under side of the counter and has connection with the tank or chamber 2 by means of a pipe 5, provided with a valve 6, and connection with the supplemental tank or chamber 3 by means of a pipe 7, provided with a valve 8. The valve 6 occupies a position inside the chamber 3 and outside the tank 2. A valve-stem *a* projects through the casing 1 and is provided with a suitable handle *b* for operating the valve from the outside of the casing. A pipe *c* extends

from the lower part of tank 2 upward within chamber 3 and out through the casing 1, where it is provided with a dispensing-faucet *d* of ordinary construction.

In operation the valves 6 and 8 of the pipes 5 and 7, respectively, are closed, and the cover or lid of the closure or cabinet 1 is elevated or removed and the cap 9 of the tank 2 also removed. These tanks are suitably filled with the required liquid and then all closed. The valve 6 is opened and the pump 4 operated, forcing or charging the required air-pressure into the main tank 2, after which the valve 6 is closed against the escape of said air-pressure, the fountain now being ready for use.

When the contents of the chamber or tank 2 have become exhausted, valves 6 and 8 are opened and the pump 4 operated, thus feeding or charging the contents of supplemental or reserve tank 3 into the tank 2, the pumping operation being discontinued after refilling the latter tank and the valves 6 and 8 closed. Thus the necessity of the removal of the liquid-holding tanks or chambers from the inclosing cabinet or casing to provide for the charging of the same with air-pressure is avoided in the practice of my invention and such operation readily effected.

Having thus fully described my invention, what I claim is—

In a soda-fountain, a cabinet, a chamber, 3, occupying substantially the entire space within said cabinet, a cylindrical tank, 2, within said chamber, a dispensing-pipe, *c*, connected to the bottom of said tank and extending upward and out through the casing, a pump, a pipe extending from the pump up through the casing and connected to the tank, 2, near its upper end, a valve in said pipe, a valve-stem connected to said valve and extending through the casing and provided with a handle outside the casing, a pipe extending from the pump up through the casing into the chamber, 3, and provided with a valve, a cap for closing the tank, 2, and a cover for the chamber and casing, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

SAMUEL J. ROGERS.

Witnesses:

OLIVER J. FIRTH,
M. D. ABER.