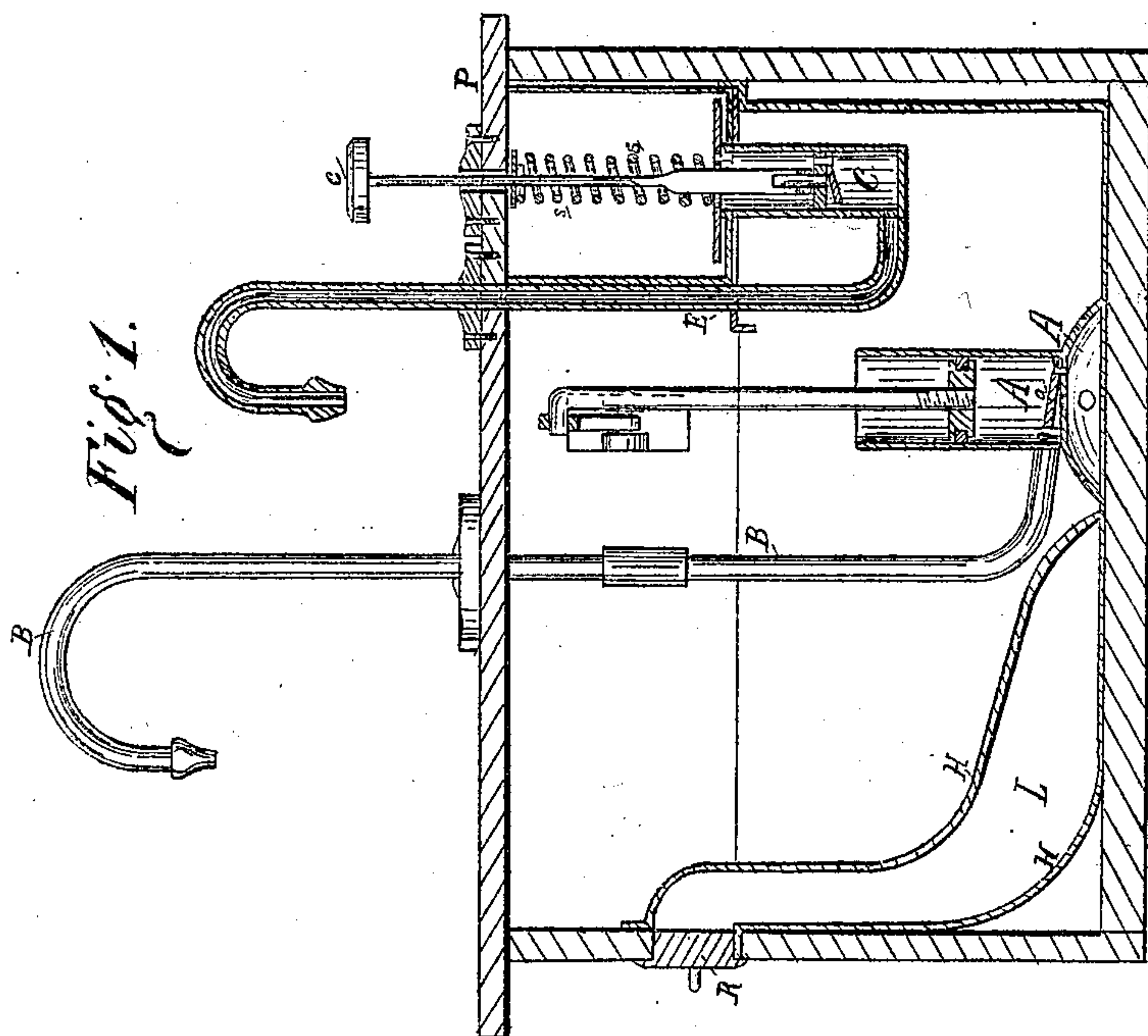
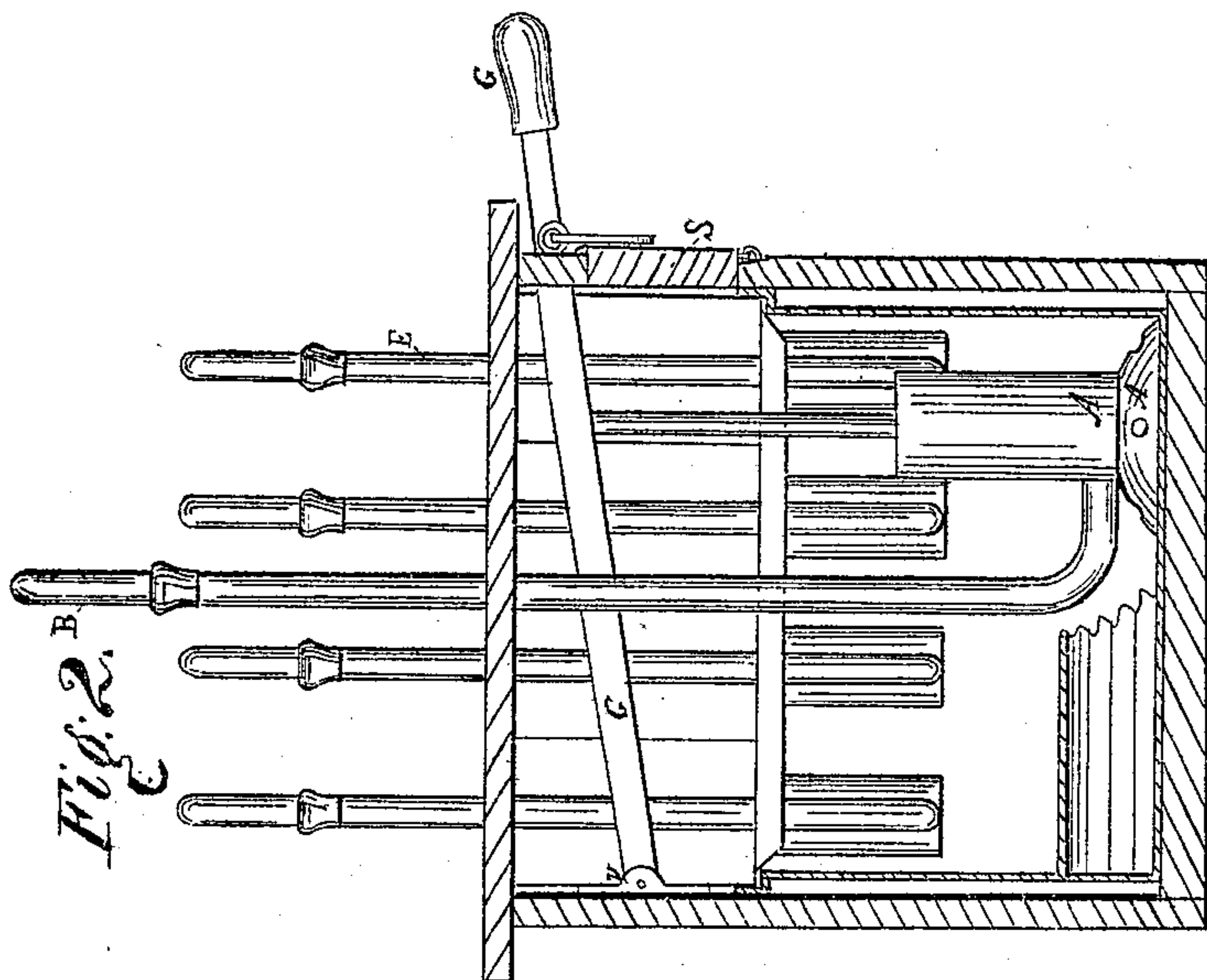


B. E. Sperry,
Soda Fountain.
No. 93,363.

Patented Aug. 3. 1869.



Witnesses
J. P. Graves,
J. B. Peyton

Inventor
B. E. Sperry
Chipman & Hornum & Co.
attys

United States Patent Office.

B. E. SPERRY, OF AURORA, ILLINOIS.

Letters-Patent No. 93,363, dated August 3, 1869.

IMPROVEMENT IN SODA-FOUNTAINS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, B. E. SPERRY, of Aurora, in the county of Kane, and State of Illinois, have invented a new and valuable Improvement in Beverage-Pumps; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal section of my device, and

Figure 2 is a cross-section thereof.

My invention relates to devices for pumping beverages into drinking-vessels, and

It consists mainly in arranging and adjusting means for that purpose in a more efficient and perfect manner than has heretofore been done.

To this end, I construct a box in a quadrangular form, as shown on the drawings, and adjust therein the devices hereinafter named.

The letter A represents a force-pump, adjusted on the bottom of the box, and affixed thereto by means of suitable screws or bolts.

The lower end of the cylinder of this pump is made of a bell-shape, as shown, and being raised at its centre, a few inches above the bottom, allows the fluid to pass into said cylinder through small apertures in the bell-shaped part thereof.

The letter *a* is a valve placed in the cylinder, which opens and closes the aperture thereunder, while the pumping process is being carried on.

The letter B is a conducting-tube, leading from the cylinder of the pump immediately above the valve upward, and through the top of the box.

The letter C represents one of a series of pumps adjusted at one end of my box, each of which sits and works in a compartment holding sirups or other desirable fluids for mixture with the fluid in the main body of the box, or which may be pumped through the conductor B.

From each of the compartments above named I have a conducting-pipe, marked E, arranged at con-

venient distances from each other, and sitting on a parallel line, as shown on fig. 2.

These last-named pumps are operated by means of the thumb-pieces *c* and the coiled wire spring *s*, while the pump A is operated by the lever G, hinged to the side of the box, as shown, and working in a slot cut in the side of the box, at the point *v*.

The letter H is a second, or false bottom, arranged and adjusted in the form and manner represented, forming an interior chamber, L. I usually construct this bottom of zinc, and I prefer, also, to line the box, in whole or in part, with the same material.

The letter P is a trap-door, secured by screws and made removable, to furnish an opening through which the sirups or other desirable fluids are poured into the small compartments, in which the pumps C are operated.

The letter R is a hinged door, leading into the chamber L, and provides means for the introduction of fluids into said chamber, or for passing fluid therefrom when desirable for cleansing or otherwise.

The fluid is introduced into the main box through the door S, or the box may be placed immediately over a vessel containing fluid impregnated with carbonic-acid gas, and communication formed between the cylinder of pump A and the contents of such vessel, by suitable apertures in the bottom of the box and the top of such vessel.

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

A beverage-drawing apparatus, having pumps A and C, doors P, S, and R, false bottom H, and sirup-compartments as described, all encased or forming parts of one box, and arranged and operating substantially as specified.

In testimony that I claim the above, I have hereunto subscribed my name, in the presence of two witnesses.

B. E. SPERRY.

Witnesses:

JAMES D. FOX,

CHARLES G. METZNER.