

(No Model.)

**T. C. RILEY.**  
**SODA FOUNTAIN.**

No. 519,434.

Patented May 8, 1894.

*Fig. 1.*

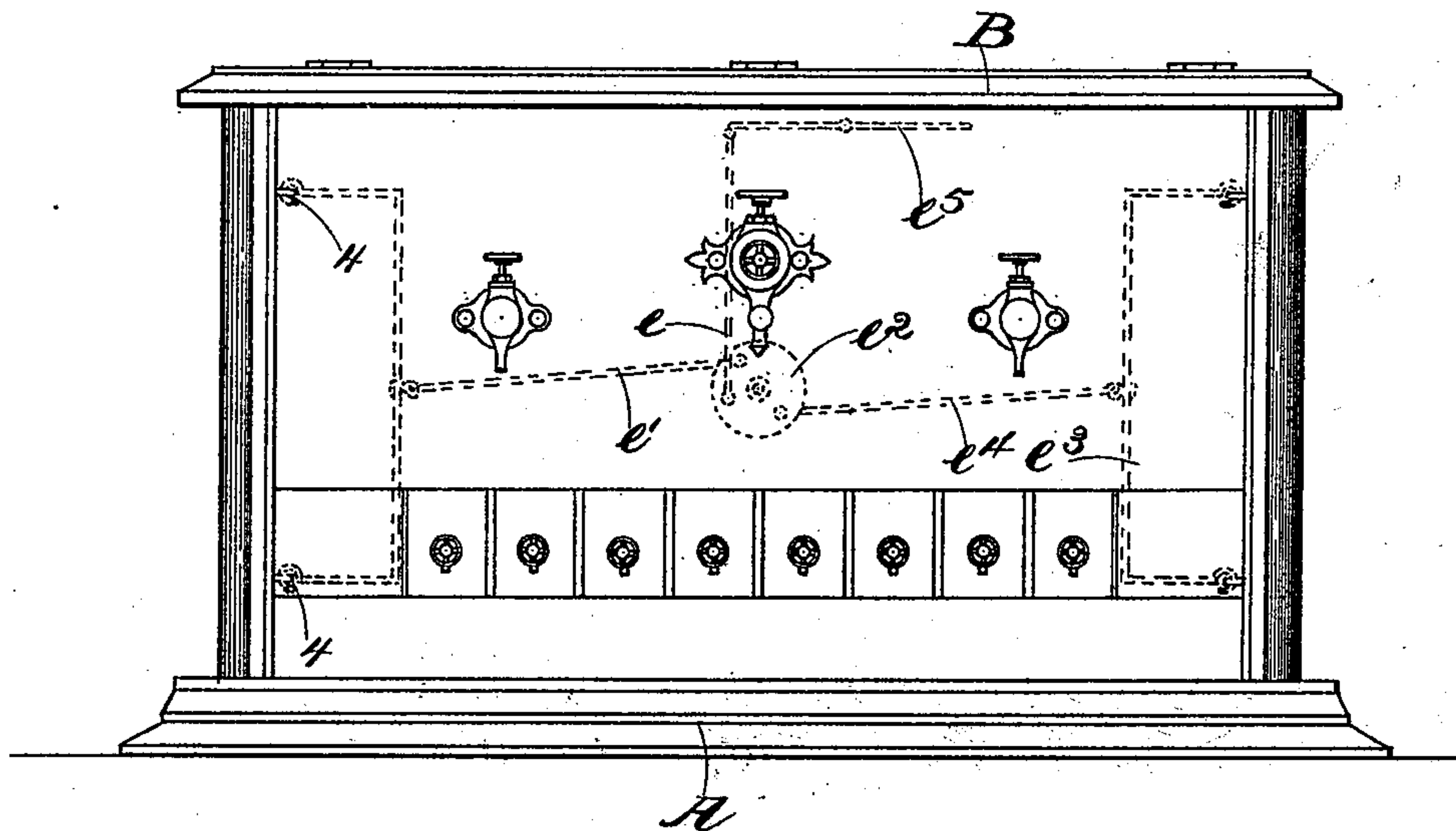
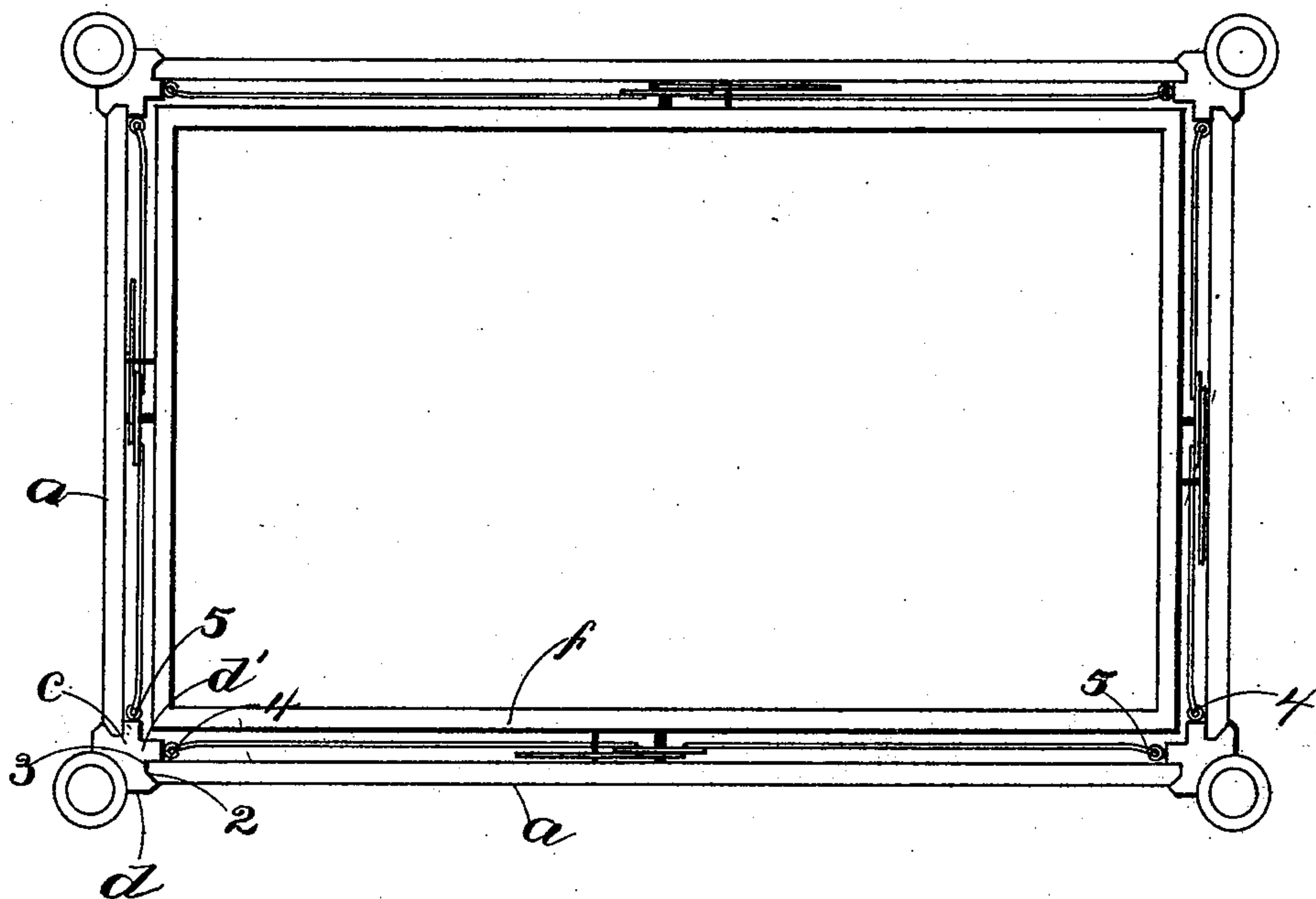


Fig. 2.



**WITNESSES.**

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# UNITED STATES PATENT OFFICE.

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## SODA-FOUNTAIN.

SPECIFICATION forming part of Letters Patent No. 519,434, dated May 8, 1894.

Application filed January 10, 1894. Serial No. 496,358. (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 relates to soda fountains, and has particular reference to the means employed for securing the side walls or plates thereof together, without boring or drilling said plates as has heretofore been practiced; and the invention consists in a separable and adjustable supporting and retaining frame for said side walls or plates, comprising corner posts or pieces, each having two longitudinal grooves, arranged at an angle with relation to each other to receive the vertical side edges of the side walls or plates, and suitable interior connections are provided for connecting each corner post to the adjoining corner posts or otherwise supporting them. These corner posts and side walls or plates when joined together are placed upon a suitable base, and a suitable cover, lid or top piece is placed upon the top of or above the corner posts and side walls or plates, thereby forming an inclosing case for the inner box, and other apparatus which may be contained therein. The front plate is bored or otherwise formed to receive the draft tubes, and set in the front side of the fountain are the usual sirup gates.

Figure 1, shows a front view of a soda fountain embodying this invention; Fig. 2, a top view of the soda fountain shown in Fig. 1, the cover or top piece being removed, and the sirup gates and draft tubes being omitted.

The side walls or plates *a* of the fountain, are or may be of glass, having their vertical side edges beveled as at 2, from the outer side or face toward but not to the inner face, thereby leaving a thickened edge 3, yet so far as my invention is concerned, the edges may be otherwise formed. Corner posts *c* are provided of peculiar construction or shape in cross section, as represented in Fig. 2, they having each two longitudinal grooves adapted to receive the beveled or other vertical edges of the plates *a*. These grooves may extend from top to bottom of the corner posts, and by making the adjacent or inner-sides of said grooves

at right angles to each other, and the remote sides in alignment with each other as shown, the beveled edges of said plates may be received, and the plates supported at right angles with relation to each other. This particular formation of the grooves is adapted for quadrangular fountains, and for plates having beveled edges, but for fountains of other shapes or for plates having differently formed edges, such formation or arrangement of the grooves will be varied accordingly. By providing the corner posts *c* with grooves an outer portion *d*, and an inner portion *d'* are presented. The inner portion *d'* of each corner post is provided with eyes 4 and 5, or they may be hooks, projecting at right angles with relation to each other, the eyes 4 receiving a yoke *e*, which is connected by a link *e'* with a crank pin or disk *e<sup>2</sup>*, herein represented as pivoted upon the outside of the inner box *f*, and the eyes 5 of the adjoining post receiving a yoke *e<sup>3</sup>*, which is connected by a link *e<sup>4</sup>* with said disk *e<sup>2</sup>*. A lever *e<sup>5</sup>* is pivoted to the inner box *f* above the disk *e<sup>2</sup>*, which is connected therewith by a link *e<sup>6</sup>*, so that by moving said lever the disk will be turned to draw the yokes *e* and *e<sup>3</sup>*, toward each other, thereby drawing the corner posts onto and in engagement with the plates *a* to hold them securely. The connections for the corner posts are thus in parallelism with the plates *a*, occupying a position between said plates and the outer side of the inner box *f*. I do not however desire to limit my invention to any particular form or construction of connection by means of which the corner posts are drawn toward each other, or secured in vertical position. It will be seen that when said connections are drawn taut the plates will be securely held in position, and no bolts are required to connect said plates, and furthermore the parts may be readily assembled upon arriving at their destination, and in case repairing is necessary said plates may be readily removed.

The corner posts and plates supported thereby rest upon a base *A*, and a suitable lid or cover *B* is placed upon top of or above said corner posts, and side walls.

If the side walls are made of other material than glass, the liability of breakage diminishes, and the apparatus may be assembled before shipment if desired.



The corner posts are made of metal, and are therefore non-elastic.

The front side wall or plate *a*, is shown in Fig. 1, as composed of two rectangular pieces, one above and the other below the row of sirup gates, and of a small piece at each end of said row of sirup gates, and the upper rectangular piece is bored or drilled or otherwise formed to receive the draft tubes, but I do not desire to limit my invention to this particular construction of front side wall, as long as it is so constructed as to receive the sirup gates and draft tubes.

In my application, Serial No. 481,115, filed July 20, 1893, I have shown and claimed a structure embodying some of the elements, broadly stated, of the claims of this application, the claims of the former application, however, being limited to a structure not shown or described herein.

I claim—

1. In a soda fountain, the combination of a base and cover, several corner posts placed vertically between said base and cover, each having two longitudinal grooves, and several plates *a*, likewise placed vertically between said base and cover, the side edges of which enter the grooves in said corner posts, and adjustable interior connections, connecting the adjoining corner posts, and operating to draw the same toward each other to engage and hold the plates, the inner box *f* placed within the inclosing case thus formed, the draft tubes and sirup gates substantially as described.

2. In a soda fountain, the combination with a base and cover, several corner posts placed vertically between said base and cover, each having two longitudinal tapering grooves, several plates *a* likewise placed vertically between said base and cover, and having beveled side edges which enter the grooves in the corner posts, and adjustable interior connections connecting the adjoining corner posts, and operating to draw the same toward each other to engage and hold the plates, the inner box *f* placed within the inclosing case thus formed, the draft tubes and sirup gates, substantially as described.

3. In a soda fountain, the combination with a base and cover several corner posts placed vertically between said base and cover, each having two longitudinal grooves, the inner side walls of said grooves being at right angles with relation to each other, and the outer side walls of said grooves being in alignment with each other, several plates *a* likewise placed vertically between said base and cover having beveled side edges which enter the grooves in the corner posts, and adjustable interior connections connecting the adjoining corner posts, and operating to draw the

same toward each other to engage and hold the plates, the inner box *f*, contained within the inclosing case thus formed, the draft tubes and sirup gates, substantially as described.

4. In a soda fountain, the combination with a base and cover, several corner posts placed vertically between said base and cover, each having two longitudinal grooves, several plates *a* likewise placed vertically between said base and cover, the side edges of which enter the grooves in the corner posts, and adjustable interior connections connecting the adjoining corner posts, comprising yokes *e*, *e*<sup>3</sup>, connected with the corner posts, links *e'* *e*<sup>4</sup> connected therewith, disks *e*<sup>2</sup>, pivoted to the inner box *f* to which said links are connected, and means for turning said disk, substantially as described.

5. In a soda fountain, the combination of the base and cover, several corner posts placed vertically between said base and cover, each having two longitudinal grooves, several plates *a* likewise placed vertically between said base and cover, the side edges of which enter the grooves in the corner posts, and means for securing said corner posts with the plates held between them, the inner box *f* placed within the casing thus formed, the draft tubes and sirup gates, substantially as described.

6. In a soda fountain, the combination of the base and cover, several corner posts placed vertically between said base and cover, each having two longitudinal grooves, several plates *a* likewise placed vertically between said base and cover, the side edges of which enter the grooves in the corner posts, and the box *f* placed within the inclosure formed by the plates, and means for securing the corner posts with the plates held between them, which is connected with said box *f*, substantially as described.

7. In a soda fountain, the combination of several vertical corner posts having longitudinal grooves, several plates forming the side walls, set edgewise with their side edges entering the grooves in said corner posts, and means for securing the corner posts with the plates held between them, the front wall of the fountain comprising essentially two pieces, one above and the other below the row of sirup gates, and draft tubes projecting from the upper piece, an inner box *f*, and a base and cover, 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,

C. B. CROCKER.