

May 9, 1939.

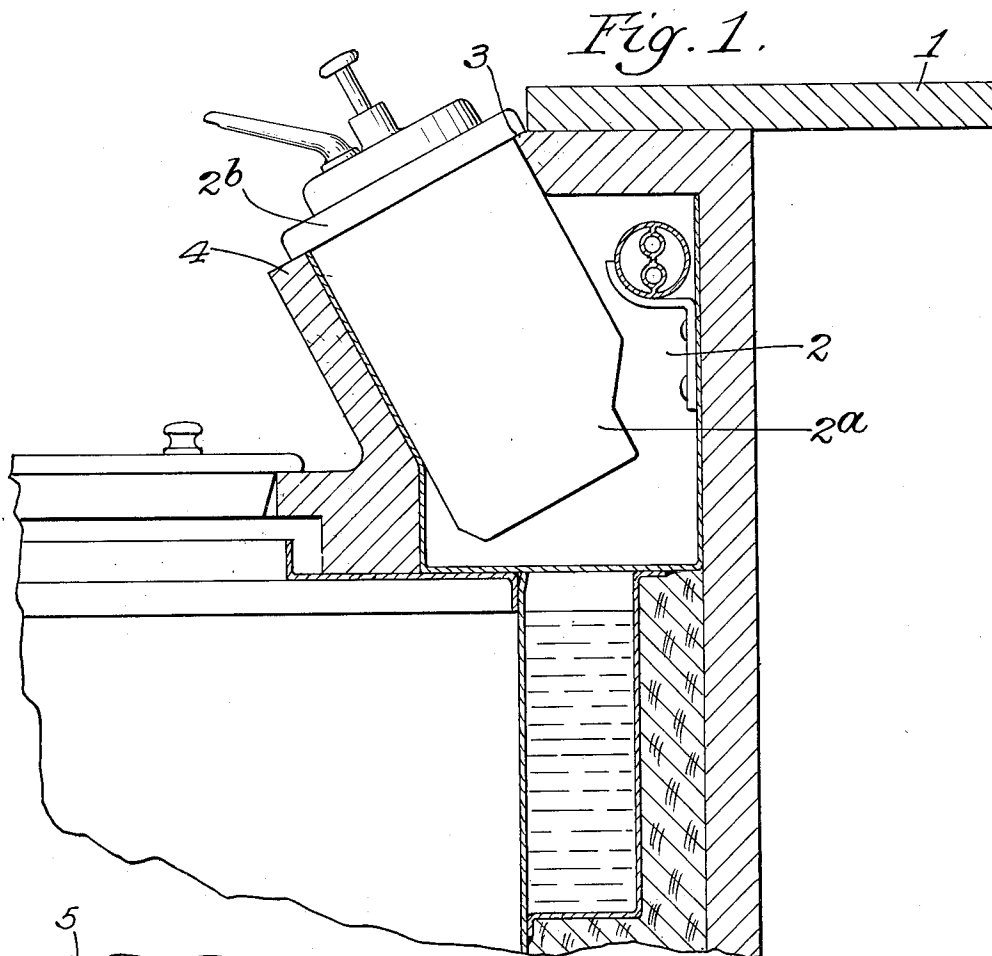
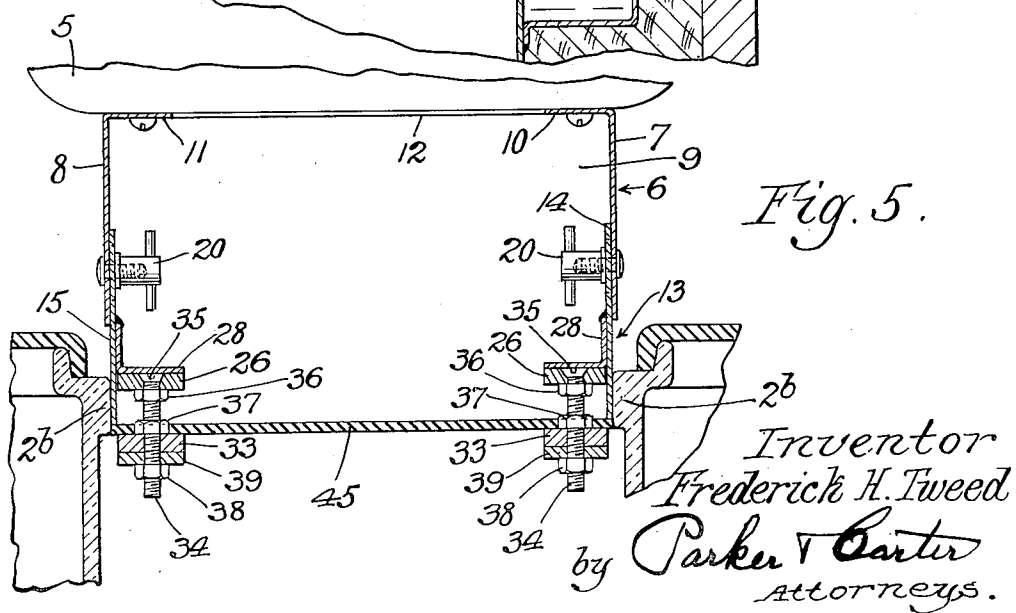
F. H. TWEED

2,157,154

SODA FOUNTAIN

Filed Aug. 19, 1935

3 Sheets-Sheet 1



May 9, 1939.

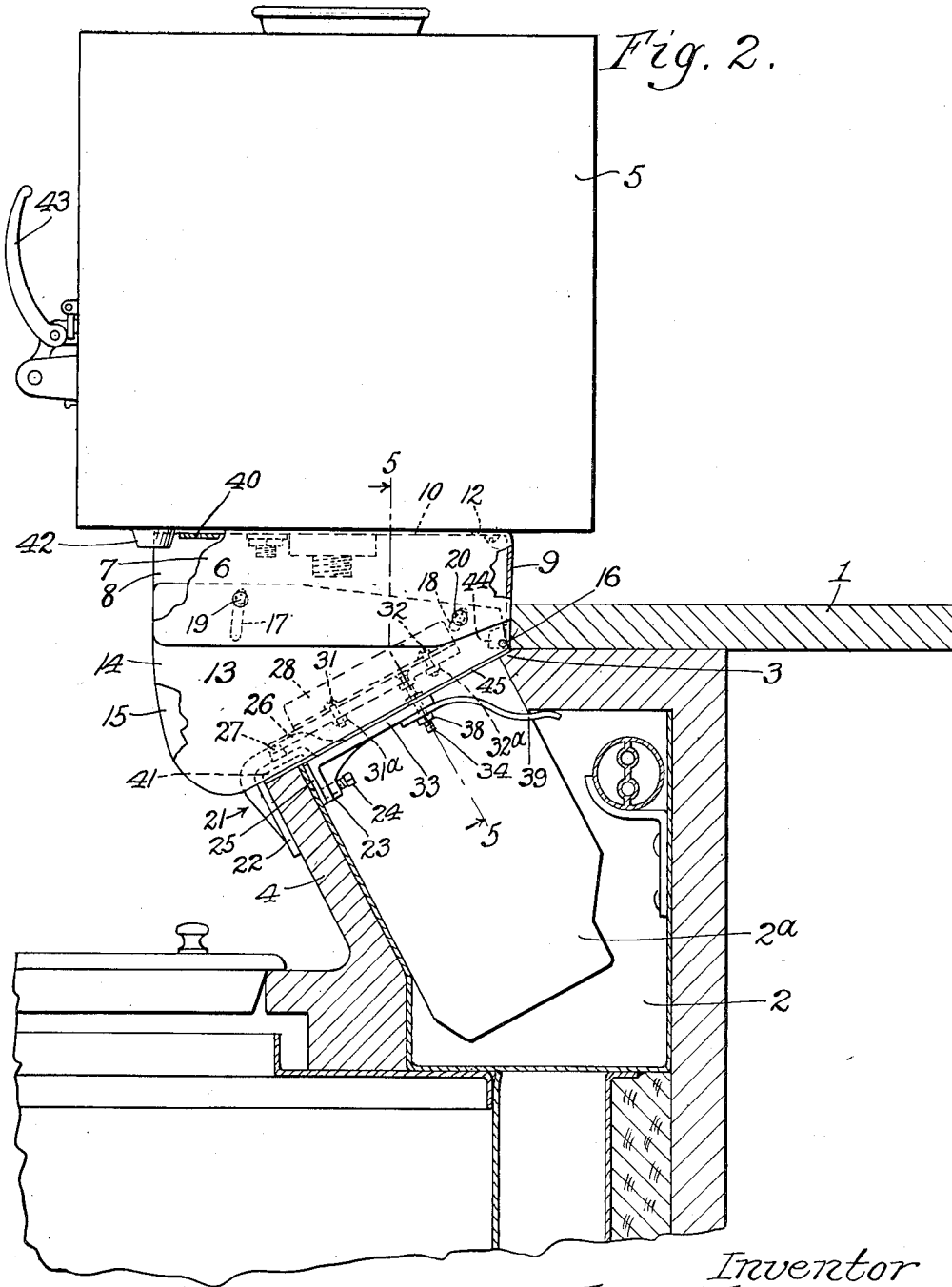
F. H. TWEED

2,157,154

SODA FOUNTAIN

Filed Aug. 19, 1935

3 Sheets-Sheet 2



Inventor
Frederick H. Tweed
by Parker & Carter
Attorneys.

May 9, 1939.

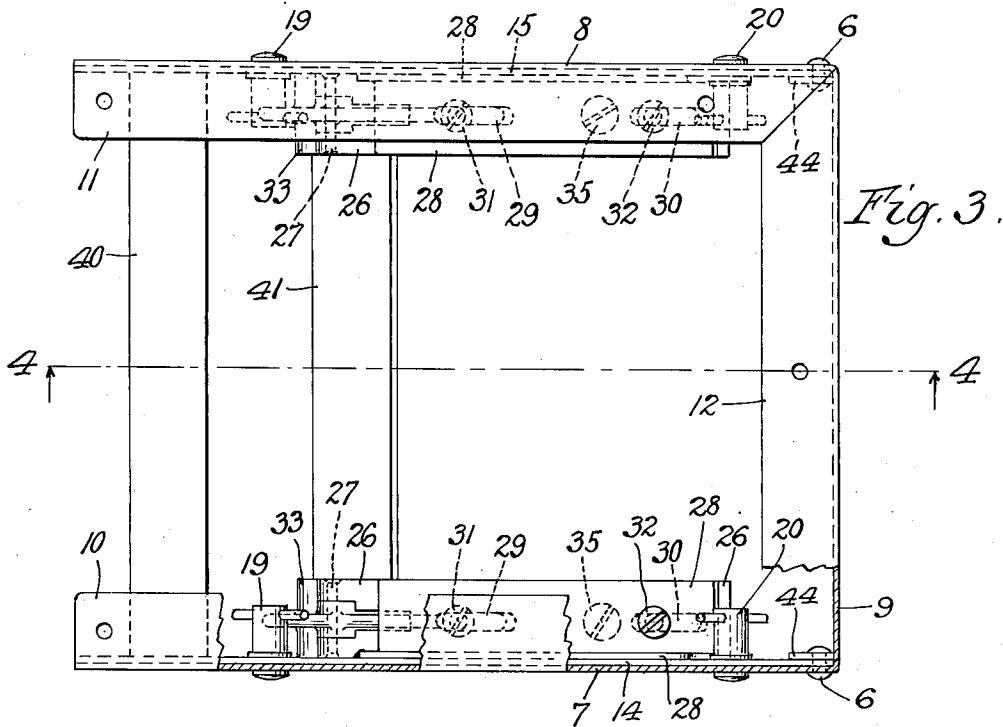
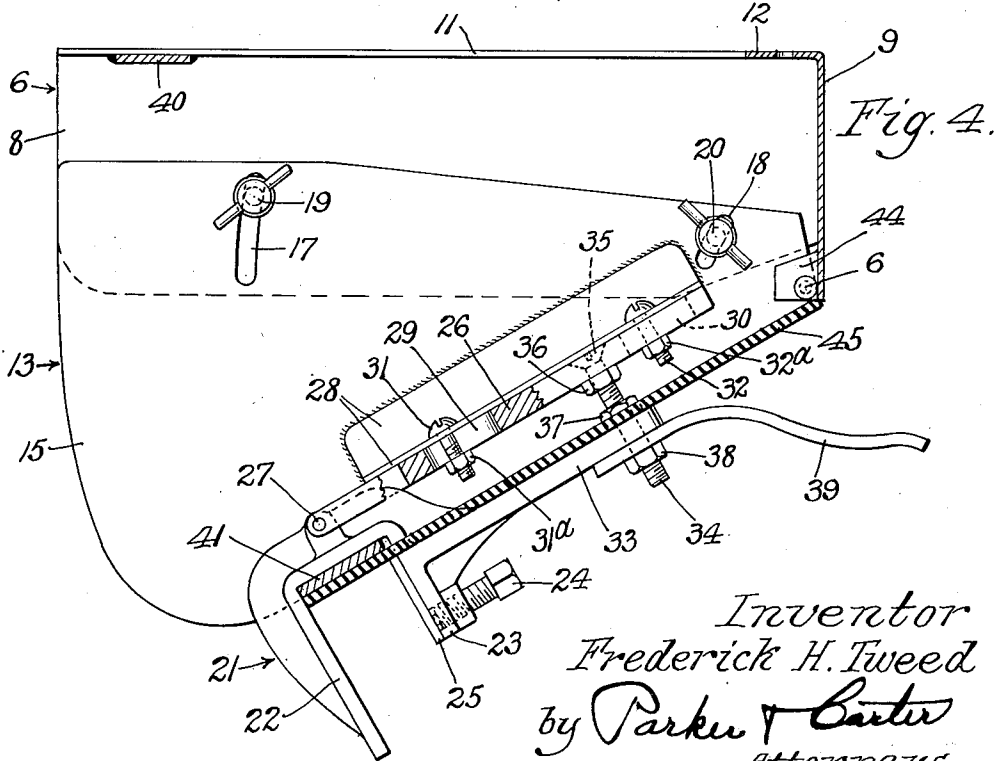
F. H. TWEED

2,157,154

SODA FOUNTAIN

Filed Aug. 19, 1935

3 Sheets-Sheet 3



Inventor
Frederick H. Tweed
by Parker & Carter
Attorneys.

UNITED STATES PATENT OFFICE

2,157,154

SODA FOUNTAIN

Frederick H. Tweed, Chicago, Ill., assignor to
The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application August 19, 1935, Serial No. 36,824

11 Claims. (Cl. 225—28)

This invention relates to improvements in soda fountains and has for its object to provide a new and improved device of this description.

At soda fountains as at present constructed, where mixed drink dispensers are used, such mixed drink dispensers are mounted on the top of the soda fountain counter, thereby occupying valuable counter space intended for general service to the customers. This is a serious objection on the part of the soda fountain owner. One of the objects of the present invention is to provide means for mounting the mixed drink dispensers so as to leave the counter free and thus overcome this objection.

The invention has as a further object to provide means for mounting a drink dispenser in the space usually occupied by one or more of the sirup jars. The invention has as a further object to provide an adjustable supporting base for a drink dispenser which can be adjusted for the differences in the dimensions and the angle of inclination of the sirup jar compartment of different makes of soda fountains.

The invention has further objects which are more particularly pointed out in the accompanying description.

Referring now to the drawings, Fig. 1 is a view in part section of a soda fountain before my invention is applied thereto;

Fig. 2 is a view similar to Fig. 1, showing one form of the present invention;

Fig. 3 is a plan view of the adjustable supporting device shown in Fig. 2 separate from the counter;

Fig. 4 is a sectional view taken on line 4—4 of Fig. 3; and

Fig. 5 is a sectional view taken on line 5—5 of Fig. 2.

Like numerals refer to like parts throughout the several figures.

Referring now to the drawings, I have illustrated in Fig. 1 a soda fountain of the usual type having a counter 1 for general service to the public. Back of the counter is a sirup jar compartment 2 into which the sirup jars 2a are received. These sirup jars are suspended by their tops on a shoulder 3 connected with the counter 1 and a rail 4 spaced away from the counter. The top of the rail 4 is below the shoulder 3 so that the sirup jars are set in an inclined position in order that the sirup may be easily withdrawn therefrom. In the construction illustrated in Fig. 2, one or more of the sirup jars are removed, the number depending upon the size of the sirup jars and the mixed drink dispenser, and in the place

of such sirup jar or jars is provided an adjustable dispenser supporting base upon which is mounted a mixed drink dispenser 5. The upper part of this base must be substantially horizontal and the base is made adjustable so that it may be attached to any of the soda water fountains, the adjustment compensating for the differences in dimension and differences in height between the counter and the sirup jar rail. It is essential that the dispenser be supported at the rear side of the counter so as to leave the counter space opposite it free for general service and I have illustrated one method of so supporting the dispenser which permits its support in an easy, cheap and efficient manner, but it is of course evident that it may be supported in other ways and by other means.

In the particular construction shown the base is provided with a plurality of adjustments and I have illustrated the number of adjustments which secure the best results. It is of course evident some one or more of the adjustments may be omitted if desired. Referring now to the particular construction, the base is made up of a plurality of sections, an upper section 6 having two separated members 7 and 8 and upon which the dispenser 5 rests. These members may be made in any desired form and are preferably connected together at one end by the connecting piece 9. For cheapness in manufacture and lightness associated with the desired strength, I prefer to make the members 7, 8 and 9 integral from sheet metal formed into shape, the upper edges being preferably bent over to form the flat supporting faces 10, 11 and 12. Connected with the upper section 6 is section 13 which is preferably adjustably connected with section 6. This section 13 has the two side members 14 and 15 which are pivoted at 16 with the section 6. The members 14 and 15 are preferably adjustably connected to the members 7 and 8 in any desired manner, as by means of the slots 17 and 18 and the fastening devices 19 and 20. The slots are in one of the sections and the fastening devices connected with the other. The fastening devices are loosened to adjust the sections and are then tightened to hold the sections in their adjusted positions. These fastening devices are shown as threaded fastening devices which are loosened and tightened by rotating them or some part thereof. This adjustment levels up the top of the dispenser support and permits the section 6 to be raised or lowered. The section 13 is connected with the section 21 in any suitable manner, the connection being preferably adjustable. In the

particular construction illustrated the sections 21 are provided with forked members having separated parts 22 and 23 between which the sirup rail 4 or other part of the soda fountain is received. There is a fastening device 24 which is tightened to hold the parts in position. The space between the parts 22 and 23 is preferably large enough to receive the largest thickness of the sirup jar rail and when applied to a narrower sirup jar rail a separate piece 25 may be inserted between the fastening device and the rail.

In the particular construction shown the section 21 is made up of two opposed members, one being connected with the member 14 of section 13 and the other with member 15 of section 13. This connection is preferably adjustable. As herein shown, each member of section 21 is provided with a member 26 which is pivoted at 27 to its associated member and the members 14 and 15 are adjustably connected therewith. The members 14 and 15 have the laterally extending members 28 which engage the members 26 and which are connected thereto by means of the slots 29 and 30 and the fastening devices 31 and 32. It will be seen that by loosening the nuts 31a and 32a the sections may be moved relatively to adjust them. This adjustment adjusts for differences in distances between the sirup jar rail and the counter and permits the sections 6 and 13 to be moved toward or away from the counter. The member 26 is adjustably connected with the part 33 of the section 21 in any suitable manner. As herein shown, there is a threaded member 34 which passes through the member 26 and which is held thereto by the head 35 and the nut 36. This threaded member passes through the opening in the part 33 and is held thereto by the nuts 37 and 38. By means of this device the final adjustment is made.

After the other parts are adjusted, if the top of the section 6 is not level or horizontal then by loosening the nuts 37 and 38 the sections 26 may be moved about the pivots 27 to either lower or raise the rear end of the section 6 to bring said section into the proper position. The nuts are then tightened up.

To add to the rigidity of the structure, I may provide the additional members 39 which are connected to the parts 33 through the agency of the threaded members 34, and these parts may be inserted, for example, between the nut 38 and the part 33, as illustrated, and when the supporting device is in position they may be moved so that their ends are under the counter, as illustrated.

The section 6 may be pivotally connected with the section 13 in any desired manner. As illustrating a simple method for doing this I provide the parts 7 and 8 with lugs 44 which are integral therewith and which are formed by simply slitting the member and bending the lugs forwardly, the pivot 16 passing through the lugs and the members 14 and 15.

I prefer to provide the cross strengthening members 40 and 41 at the top and bottom of the device. The dispensing device 5 resting on the top of the supporting device is back of the counter, leaving the counter free for general service. This dispensing device may be of any desired construction and for dispensing any desired beverage. It may be provided with a nozzle 42 through which the liquid is discharged, the liquid being controlled by the handle 43.

The outer side faces of the members 14 and 15 are smooth so that the edges of the sirup jars

will sit tightly thereagainst so as to maintain a substantially closed sirup jar compartment to hold the low temperature therein. The sirup jars are provided at their tops with an outstanding ledge 2b which engages the supporting parts 3 and 4, and this outstanding ledge of the sirup jar on each side of the support engages the flat face of the associated side of the support, as shown in Fig. 5. When the device is used in connection with the sirup jar compartment a closure 45 extends across the compartment at the portion thereof where the supporting device is located so as to close the sirup jar compartment at this point to maintain the low temperature therein.

I have illustrated a supporting device in connection with a sirup jar compartment but it is of course evident it may be placed in some other position. I have also shown the supporting device as of a particular construction and having certain adjustments, but it is of course evident that the construction may be varied in many particulars, and some parts omitted and others not here shown used without departing from the spirit of the invention as embodied in the claims hereto appended, and I therefore do not limit myself to the particular construction shown. It will further be seen that by means of this construction I provide a single, standard adjustable piece which can be easily and quickly adjusted to variations in types and makes of soda fountains. This device may be simply, quickly and economically fastened in position to the sirup jar rail by the adjustable clamping section and then the parts adjusted for angular, vertical and horizontal positions by means of the adjusting means illustrated.

I claim:

1. A soda fountain comprising a counter, a sirup jar supporting device back of the counter having two members between which the sirup jar is supported, said members having a space between them, and a drink dispenser supported on the sirup jar supporting device above said space so as to leave the counter at the front thereof free for general service.

2. A soda fountain comprising a counter, a sirup jar supporting device back of the counter having two members between which the sirup jar is supported, said members having a space between them, an adjustable base mounted on said sirup jar supporting device, and a drink dispenser mounted on said adjustable base, back of said counter, above said space so as to leave the portion of the counter in front of it free for general service.

3. A soda fountain comprising a counter, a drink dispenser, a sirup jar supporting device back of the counter having two members between which the sirup jar is supported, said members having a space between them, an adjustable base having a section mounted on the sirup jar supporting device and extending across said space, and another section adjustably connected with the first section, the drink dispenser being mounted upon said latter section, back of the counter, so as to leave the portion of the counter in front of it free for general service.

4. A device of the kind described for use in connection with a soda fountain having a sirup jar supporting device and a drink dispenser, comprising a base having a lower section adapted to be connected with the sirup jar supporting device, and an upper section connected with said lower section, upon which a drink dispenser may

be mounted, and means for adjusting said upper section vertically with relation to the lower section.

5 5. A device of the kind described for use in connection with a soda fountain having a sirup jar supporting device and a drink dispenser, comprising a base having a lower section adapted to be connected with the sirup jar supporting device, and an upper section connected with said
10 lower section, upon which a drink dispenser may be mounted, and means for adjusting said upper section horizontally with relation to the lower section.

15 6. A device of the kind described for use in connection with a soda fountain having a sirup jar supporting device and a drink dispenser, comprising a base having a lower section adapted to be connected with the sirup jar supporting device, and an upper section connected with said
20 lower section, upon which a drink dispenser may be mounted, and means for adjusting said upper section vertically and horizontally with relation to the lower section.

25 7. A device of the kind described for use in connection with a soda fountain having a sirup jar supporting device and a drink dispenser, comprising a base having a lower section adapted to be connected with the sirup jar supporting device, and an upper section connected with
30 said lower section, upon which a drink dispenser may be mounted, and means for adjusting said upper section vertically with relation to the lower section, and a second means for adjusting one end of the upper section vertically with
35 relation to the lower section.

8. A device of the kind described for use in connection with a soda fountain having a sirup jar supporting device and a drink dispenser, comprising a base, a lower section inclined at

the bottom, means for connecting said lower section to a support, an intermediate section adjustably connected with the lower section, and an upper section adjustably connected with the intermediate section and having its upper face substantially horizontal when in its operative position, and additional means for raising or lowering one end of the upper section to make the final adjustment thereof.

9. A device of the kind described for use in connection with a soda fountain having a sirup jar supporting device and a drink dispenser, comprising a lower section and an upper section, and means for adjustably connecting them together so that the upper section is supported by the lower section and means for adjusting said upper section horizontally and vertically, said upper section having two side, separated members, and a connecting member connecting them together integral with the side members.

10. In combination with a sirup jar support of a plurality of spaced sirup jars mounted thereon and an adjustable holder for a beverage dispenser, said holder being removably carried by the sirup jar support, said holder having a flat outer surface which engages the adjacent sirup jar and makes a tight connection between it and said adjacent sirup jar on the sirup jar support.

11. A soda fountain comprising a counter, a sirup jar receiving receptacle, back of said counter, provided with a sirup jar supporting device, a base mounted on said sirup jar supporting device above said sirup jar receiving receptacle, a drink dispenser mounted upon said base, and means associated with said base for closing the sirup jar receiving receptacle at the point where the base is located to maintain low temperature in the sirup jar receptacle.

FREDERICK H. TWEED.