Nov. 7, 1950 S. P. MIDOUHAS 2,529,407

TOY SODA FOUNTAIN

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FIG. 2.

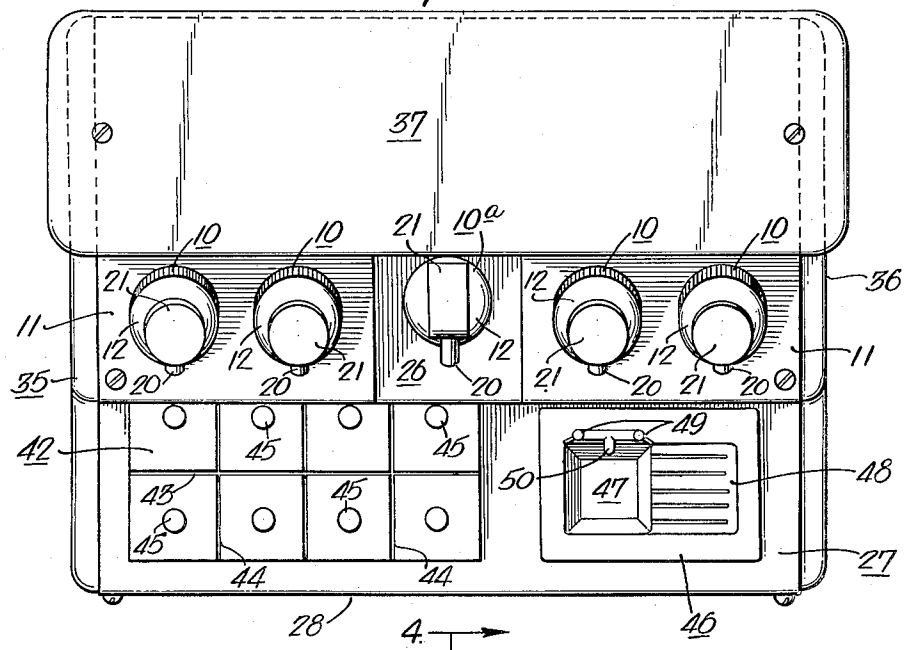
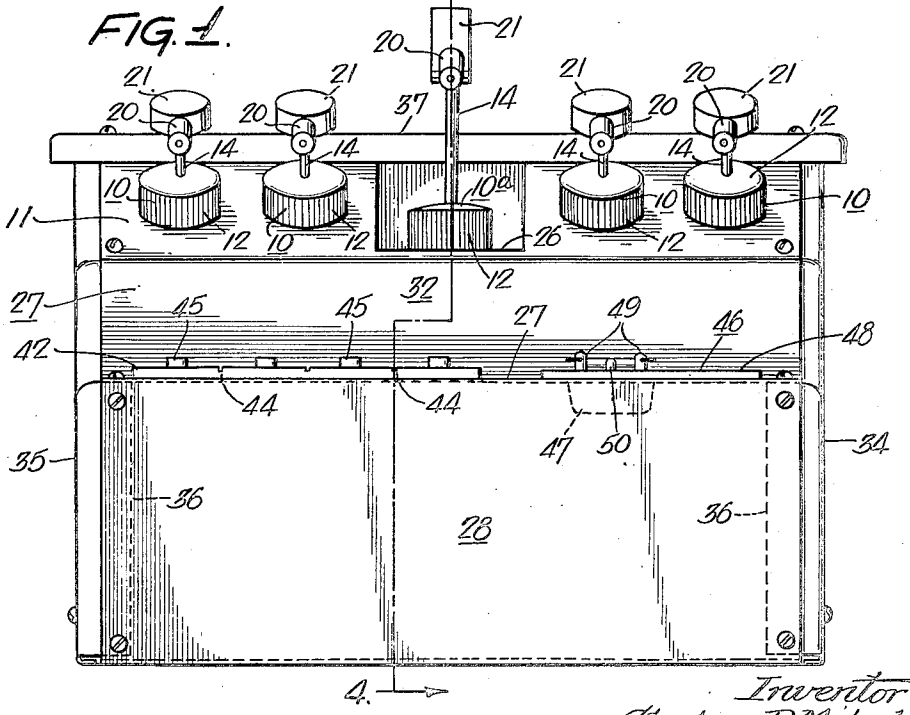


FIG. 1.



Inventor:
Stephen P. Midouhas
by his Attorneys
Howson & Howson

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FIG. 3.

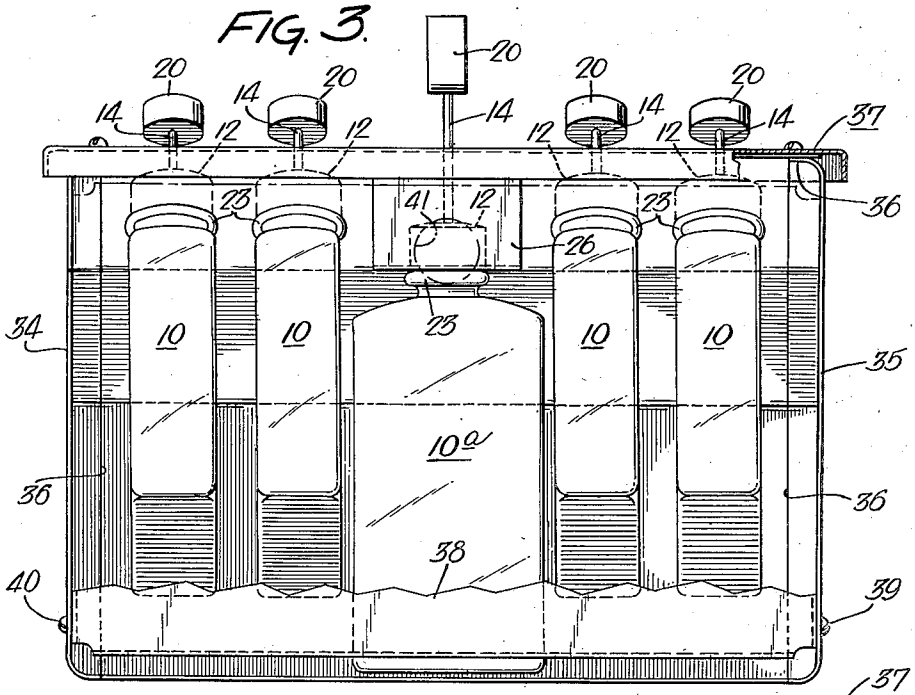


FIG. 4.

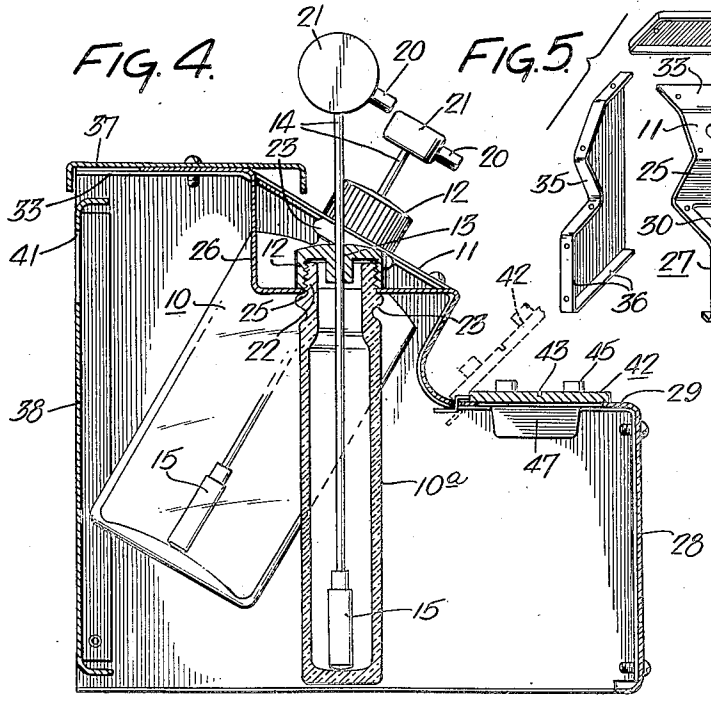
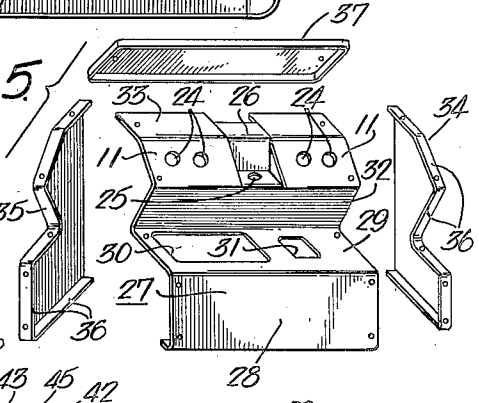


FIG. 5.



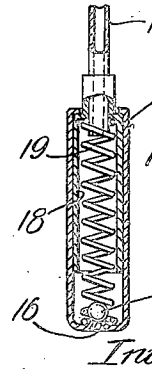


FIG. 6.

Inventor:
Stephen P. Midouhas
by his Attorneys
Howson & Howson

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TOY SODA FOUNTAIN

Stephen P. Midouhas, Bristol, Pa.

Application May 23, 1947, Serial No. 750,116

2 Claims. (Cl. 225—21)

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This invention relates to a toy soda fountain and the details of its construction.

The primary object of the invention is to provide an amusement device or toy which realistically simulates the appearance and operation of the conventional dispensing apparatus for ice cream, syrups and soda water commonly used by ice cream parlors and drug stores.

Further objects will be apparent from the specification and drawings in which:

Fig. 1 is a front elevation of the toy soda fountain;

Fig. 2 is a plan of the structure of Fig. 1;

Fig. 3 is a rear elevation having the rear member partly broken away;

Fig. 4 is a section taken along line 4—4 of Fig. 1;

Fig. 5 is an exploded view illustrating the component parts of the cabinet; and

Fig. 6 is an enlarged sectional detail of the liquid pump contained in each bottle.

The toy comprises essentially a cabinet formed from stampings of light sheet metal such as aluminum, which supports a plurality of bottles containing liquid dispensing pumps. The bottles may be supported on a sloping front surface of the cabinet in a manner similar to the conventional drug store soda fountain or some of them may be supported on a horizontal cut-out portion of the cabinet front. A hinged imitation lid simulates the ice cream compartments on a full-sized cabinet and a plastic sink with drain board and imitation taps is also fitted on the horizontal top shelf portion. Access to the bottles is provided by means of a conveniently pivoting rear section of the entire assembly.

A plurality of conventional dispensing bottles, each designated by the numeral 10 are supported in inclined position on the sloping front portion 11 of the cabinet. The bottles and the pressure liquid dispensing device are of conventional construction and comprise a threaded cap 12 having a center bore 13 accommodating a tubular plunger 14. The pump illustrated in Fig. 6 consists of stationary housing 15 which seats upon the bottom of the associated bottle and has an inlet orifice 16 at the bottom, closed by a ball check 17. A piston 18 within said housing is secured to plunger 14 and is spring loaded by means of helical spring 19. When plunger 14 is vigorously depressed, liquid which has entered the housing from the bottle by way of inlet 16 is forced through the hollow plunger and out of nozzle 20 which is internally connected with the bore of plunger 14 through button 21 which may

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have appropriate markings (not shown) if desired. Each bottle is supported in the face 11 by means of threaded cap 12 which when turned down on the bottle neck 22 securely clamps the face 11 between bottle shoulder 23 and the cap. The construction shown is provided with four holes 24 in surface 11, and a fifth hole 25 in a central cut out and recessed portion of the cabinet front for reception of vertical bottle 10a.

The bottles and pumps in themselves form no part of the invention and are readily available on the market, but they greatly enhance the realistic effect of the fountain since it is intended that a harmless liquid such as various colored water or even carbonated water may be squirted from nozzles 20. Specifically, the four bottles which find support in the sloping front wall 11 may contain syrups, while the middle bottle, located in central recess 26, may contain the charged or plain water.

The cabinet proper is assembled from stampings of which the front member 27 has a lower vertical portion 28, and a horizontal shelf 29 having two openings 30 and 31. This stamping 27 is then bent back at an acute angle to form outwardly sloping face 32 terminating at right angles to and in the lower edge of sloping portion 11. The top of the cabinet has a flat portion 33, also a part of stamping 27, which is cut out near its mid-section to provide relief for the recessed portion 26.

Side portions 34 and 35 have inwardly extending lips 36 which may be conveniently attached to the member 27 by means of sheet metal screws. A cover 37 is then secured over flat portion 33 to hide the cut-out 26 and to enhance the appearance of the completed article.

The back member 38 fits between side members 34 and 35 and is pivoted to them at 39 and 40 (Fig. 3). A convenient finger hole 41 provides means for pivoting back 38 when access to the interior of the cabinet is desired.

Hinged cover 42, having a longitudinal frame 43 and a plurality of transverse grooves 44 is positioned in opening 30 to simulate the appearance of the conventional ice cream compartment lids of a soda fountain. Knobs 45 appropriately located on the top of lid 42 enhance this appearance.

A combined sink and drain board 46 is located in opening 31 and has a basin 47, drain board 48, taps 49 and spigot 50. The entire sink assembly 47 is conveniently formed from a pressure molded plastic material.

The construction of the cabinet provides an extremely realistic toy inexpensive to manufacture and which has at the same time the advantage of actual operation of the dispensing devices.

I claim:

1. A toy soda fountain comprising a cabinet having a horizontal shelf, an imitation sink and ice cream compartment lid supported on said shelf, a rearwardly and upwardly inclined portion overhanging said shelf, a sloping shelf disposed above the flat shelf, a plurality of liquid dispensing bottles secured on the sloping shelf by means of bottle caps threaded to the bottle necks, whereby the shelf is tightly clamped between the cap and the bottle.

2. A toy soda fountain comprising a cabinet constructed of a unitary sheet metal stamping having a forward vertical front, a horizontal shelf, a sloping forwardly disposed shelf having circular apertures therein adapted to receive the necks of liquid dispensing bottles, a flat top; a pair of sides for said cabinet, said sides being formed of sheet metal stampings; means for securing the sides to the first-mentioned stamping, and a plurality of liquid dispensing bottles positioned in said circular apertures by means of bottle caps threaded to the bottle necks.

STEPHEN P. MIDOUHAS.

REFERENCES CITED

The following references are of record in the file of this patent:

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