B. LOWENTHAL.

SYRUP CONTAINING AND DISPENSING APPARATUS.

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1,011,828. **Patented Dec. 12, 1911.**

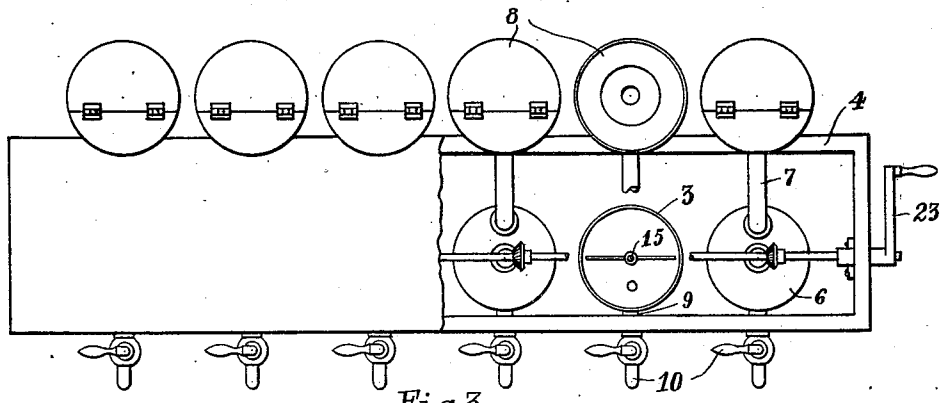

Fig. 3

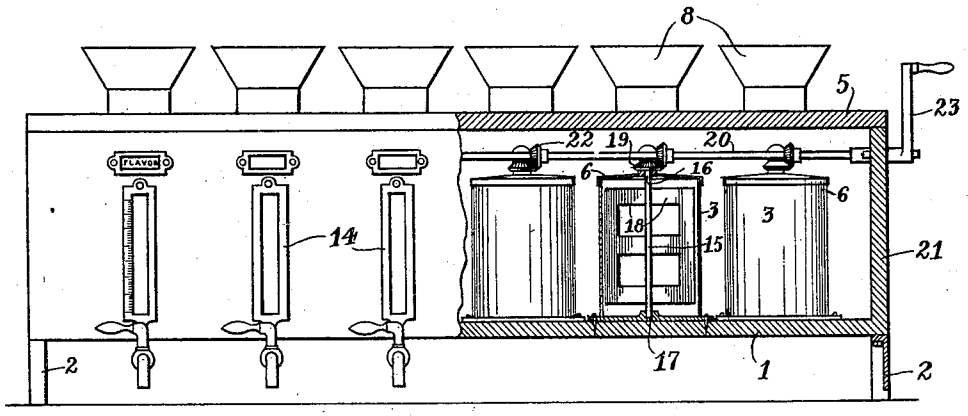

Fig. 1

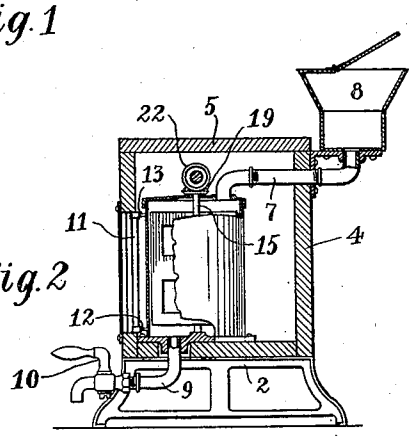

Fig. 2

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SYRUP CONTAINING AND DISPENSING APPARATUS.

1,011,828. Specification of Letters Patent. **Patented Dec. 12, 1911.**

Application filed March 16, 1911. Serial No. 614,898.

To all whom it may concern:

Be it known that I, BERNARD LOWENTHAL, a citizen of the United States, residing at the city of Vicksburg, in the county of Warren and State of Mississippi, have invented certain new and useful Improvements in Syrup Containing and Dispensing Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to machines for mixing liquids and fluids of any kind.

The object of my invention is to provide a machine that is particularly adapted for mixing various syrups; that is for mixing the different ingredients that comprise syrups of certain flavors, such as are used in soda fountains.

A particular object of this machine is to provide means whereby the can in which the mixing is conducted may be filled and the contents removed therefrom without necessitating direct access to said can or disturbing any part of the arrangement. Also, means are provided for indicating the level of the fluids inside of said can, and certain other objects are accomplished as will be apparent from this description.

My invention consists of the arrangement of parts and features hereinafter fully described and claimed.

In the accompanying drawing, Figure 1 is an elevation, partly sectional, of this machine, Fig. 2 is a sectional side view of Fig. 1 and Fig. 3 is a plan of the machine.

Similar reference characters refer to similar parts in the different views of the drawing.

In this machine there is a platform 1 supported on the legs 2, on which a plurality of cans 3 are rigidly fastened. The cans 3 serve as containers for the syrups and are completely inclosed by the wooden case 4 which has a hinged top 5 for gaining access therein. The cans are closed by the covers 6 and from each cover extends an inlet pipe 7 which passes out through the case 4 and connects with a funnel 8; the funnel and pipe serving to admit the various ingredients that make up the syrup mixture. From the bottom of each can and passing through the platform extends an outlet pipe 9, leading to the front of the case, to the end of which is attached a faucet 10 which serves for drawing the syrup from the can for use, after it has been mixed and prepared. A gage glass 11 is arranged in front of each can, connecting at 12 and 13 with the interior of the can, for indicating the level of the liquid in the can, and a slot 14 is provided in the case directly in front of the gage glass so that the glass can be viewed from without the case. Within each can there is a spindle 15, pivoted centrally in the bearings 16 and 17 of the cover and bottom of the can, to which suitable vanes 18 are attached to serve as agitators for the mixing process. The upper end of the spindle passes through the top 6 of the can and has a bevel gear 19 rigidly fixed thereon. The cans with the spindles are lined up and a shaft 20 for driving the machine is rotatably mounted in the end walls 21 of the case 4 and arranged to pass over the centers of the spindles. The shaft carries the corresponding bevel gears 22 which mesh with each spindle gear 19, so that when the shaft 20 is rotated all of the agitator vanes 18 are revolved. The end of the shaft 20 extends outside of the case and has a crank 23 fixed thereon for rotating the shaft.

In the operation of my invention, the various ingredients that make up the syrups, such as sugar, water, fruit extracts, flavors, etc., are poured in the proper proportions through the funnel 8 to fill the can. When the mixtures in all the cans have been thus prepared, to make up the syrups of different flavors, the crank 23 is turned, which revolves all the agitator vanes 18 in the cans, until the syrup is thoroughly mixed, after which the syrup may be drawn through the faucet 10; the gage glasses 11 indicating at all times the quantity of syrup that is left in the cans.

Having thus described my invention, I claim:—

In combination with a casing, a plurality of syrup receiving cans therein, a rotatable dasher in each of said cans, a common shaft having gear connections with each of said dashers, a funnel connected with each of

said cans which passes through and above said casing, a gage glass connected to each of said cans at the top and bottom thereof, visual openings in said casing in proximity to the several gage glasses, and a valve controlled outlet secured to each of said cans through said casing.

In testimony whereof I hereby affix my signature in presence of two witnesses.

BERNARD LOWENTHAL.

Witnesses:
L. S. BERNSTEIN,
J. HEIL.