May 18, 1937. A. L. RODGERS 2,080,787

DISPENSER

Filed July 16, 1936 2 Sheets-Sheet 1

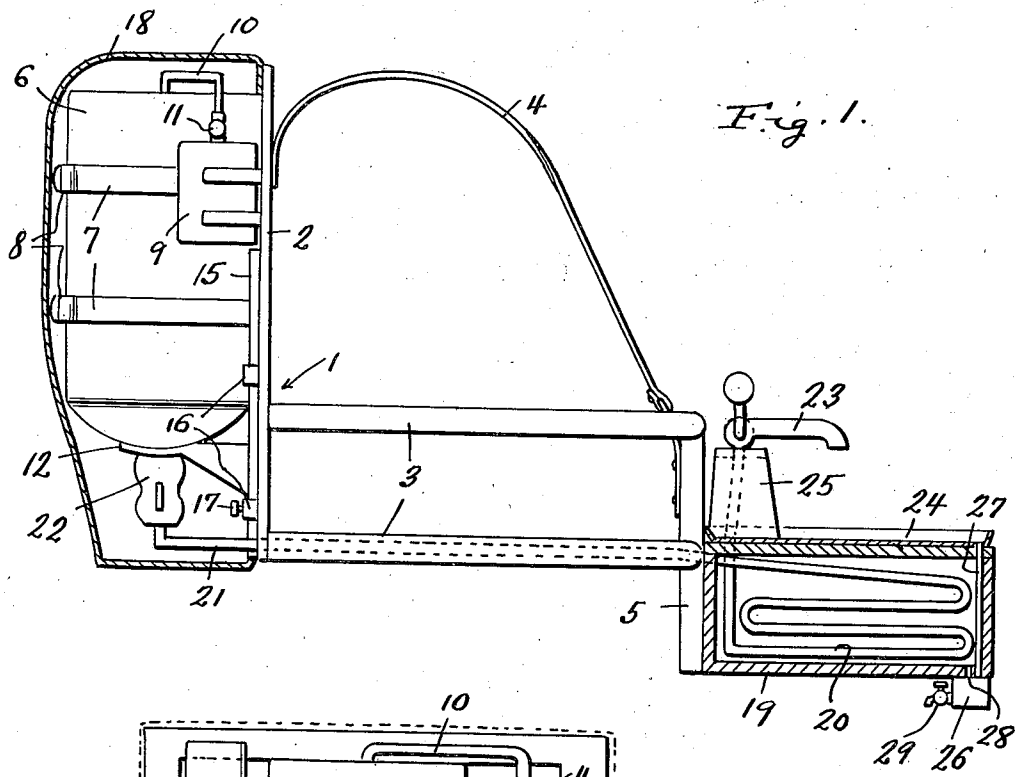


Fig. 1.

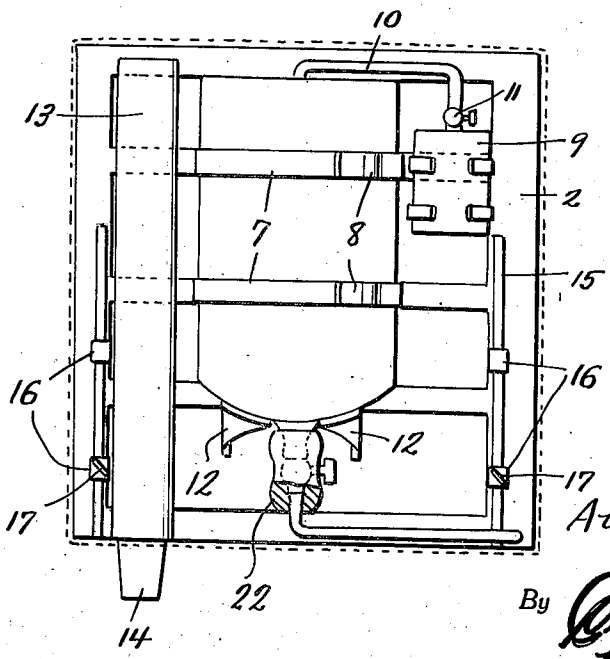


Fig. 2.

Inventor

Aubrey L. Rodgers

By Clarence A. O'Brien

Hyman Berman

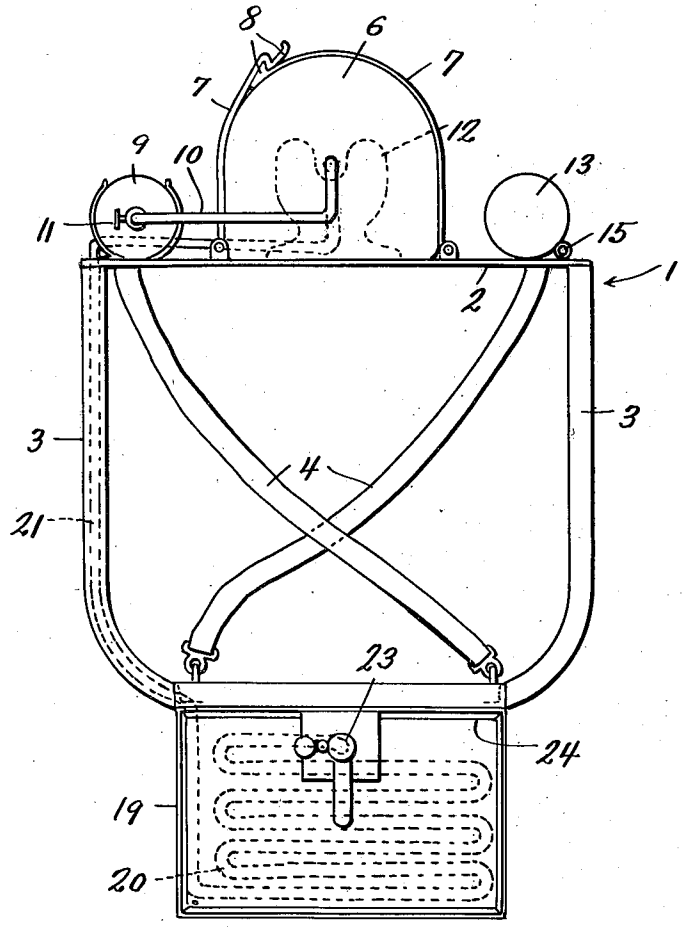
Attorneys

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Fig. 3.



Inventor

Aubrey L. Rodgers

By Clarence A. O'Brien

Hyman Berman

Attorneys

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DISPENSER

Aubrey Leonard Rodgers, New Orleans, La.

Application July 16, 1936, Serial No. 90,975

4 Claims. (Cl. 225—40)

The present invention relates to new and useful improvements in beverage dispensers and has for its primary object to provide, in a manner as hereinafter set forth, an apparatus of this character which is adapted to be mounted on the body and carried from place to place or, in other words, which is portable.

Other objects of the invention are to provide a portable beverage dispensing apparatus of the aforementioned character which will be comparatively simple in construction, strong, durable, light in weight, compact and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:—

Figure 1 is a view partially in side elevation and partially in vertical longitudinal section, showing a portable beverage dispensing apparatus constructed in accordance with the present invention.

Figure 2 is a view in rear elevation of the rear portion of the apparatus, the coupling being broken away in section.

Figure 3 is a top plan view of the invention.

Referring now to the drawings in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a supporting structure which is designated generally by the reference numeral 1, said supporting structure including a back frame 2 of suitable material from which tubular side bars 3 extend forwardly. As best seen in Figure 3 of the drawings, the tubular side bars 3 terminate in inwardly curved forward end portions. Vertical members 5 are mounted on the forward ends of the side bars 3. The reference numeral 4 designates shoulder straps having one end secured to the members 5 and their other ends connected to the back frame 2. As also shown to advantage in Figure 3 of the drawings, the shoulder straps 4 are crossed.

Mounted vertically on the back frame 2 of the supporting structure 1 is an inverted container 6 which is removably secured in position by suitable resilient straps 7 having co-acting hooks 8 on their free ends. Also mounted on the back frame 2 is a high pressure tank 9 for carbonic gas, said tank 9 being connected by a conduit 10 with the top portion of the container 6. It may be well to here state that the container 6 is for the reception of the beverage to be dispensed. A hand control valve 11 is provided in the conduit 10 and said conduit is further provided with a check valve (not shown) adjacent the container 6. A supporting bracket 12 is engaged beneath the container 6.

Also mounted on the back frame 2 is a holder 13 of conventional construction for sanitary cups 14. Supporting legs 15 are slidably mounted in guides 16 on the side portions of the back frame 2, said legs being secured in adjusted position by thumb screws 17. A removable cover 18 of suitable material is provided for the container 6, the tank 9, etc.

Mounted on the depending lower portions of the vertical members 5 is a box 19 for the reception of a suitable refrigerating agent, such as dry ice. Mounted in the box 19 is a coil 20 from one end of which a pipe 21 extends through one of the tubular side bars 3 to the inverted container 6 to which said pipe is connected by a valved coupling 22. Of course, the coupling 22 permits the pipe 21 to be readily disconnected from the container 6.

The other end of the coil 20 is connected to a faucet or tap 23 above the box 19. Mounted below the tap 23 on the box 19 is a pan 24. The pan 24 is adapted to catch drippings and also receive glasses, as at 25. Mounted below the box 19 is a closed receptacle 26 to which the pan 24 is connected by a drain pipe 27. A drain 28 to the receptacle 26 is also provided for the box 19. A valve 29 permits the drain receptacle 26 to be emptied when desired.

It is thought that the operation of the invention will be readily apparent from a consideration of the foregoing. The apparatus is adapted to be suspended from the shoulders through the medium of the straps 4. The beverage to be dispensed flows from the container 6 through the pipe 21 to the coil 20 where said beverage is thoroughly cooled in the box 19. Of course, to dispense any desired quantity of the cooled beverage it is only necessary to open the tap 23. The construction and arrangement is such that a glass may be conveniently placed below the tap 23 for receiving the beverage therefrom. It will be noted that the side of the beverage container 6 which abuts the back frame 2 is substantially flat.

It is believed that the many advantages of a portable beverage dispenser constructed in accordance with the present invention will be readily understood, and although a preferred embodiment of the apparatus is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which

will fall within the scope of the invention as claimed.

What is claimed is:—

1. A portable beverage dispenser comprising a supporting structure including a vertical back frame and horizontal side bars extending forwardly from said frame, shoulder straps connected, at one end, to the forward portions of the side bars and at their other ends to the upper portion of the back frame, a beverage container mounted on said back frame, a box mounted on the forward portions of the side bars, a tap mounted on said box, a coil mounted in said box and connected at one end to the tap, and means for detachably connecting the other end of said coil to the beverage container.

2. A portable beverage dispenser of the class described comprising a supporting structure including a back frame, horizontal side bars extending forwardly from the forward portion of said back frame, crossed shoulder straps connected, at one end, to the forward portions of the side bars and at their other ends to the upper portion of the frame, a beverage container removably mounted on the back frame, means mounted on said back frame and connected to the beverage container for supplying a gas under pressure thereto, a removable cover for the beverage container mounted on the back frame, a box mounted on the forward portions of the side bars, said box for the reception of a refrigerating agent, a tap mounted above the box, a coil mounted in said box and having one end connected to said tap, a pipe extending from the other end of said coil, and a valved coupling detachably connecting said pipe to the beverage container.

3. A beverage dispenser comprising a supporting structure including a vertical back frame, horizontal side bars extending forwardly from said back frame, shoulder straps having one end connected to the side bars and their other ends connected to the back frame, a beverage container mounted on said back frame, a box mounted on the forward portions of the side bars, a tap mounted above the box, said box for the reception of a refrigerating agent, a coil mounted in the box and having one end connected to the tap and its other end connected to the beverage container, a drain receptacle mounted below the box and communicating with the interior of said box, a pan mounted on said box below the tap, and a drain pipe connecting said pan with said drain receptacle, said drain pipe passing through the box.

4. A beverage dispensing apparatus comprising a supporting structure including a vertical back frame and tubular horizontal side bars extending forwardly therefrom, a beverage container mounted on the back frame, a box mounted on the forward portions of the tubular side bars, a tap mounted on said box, a coil mounted in said box and having one end connected to said tap, and a pipe extending from the other end of the coil through one of the tubular side bars and connected to the beverage container.

AUBREY L. RODGERS.