

W. J. MATTHEWS.
NON-SPILLABLE OIL CAN.
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1,145,252.

Patented July 6, 1915.

Fig. 1.

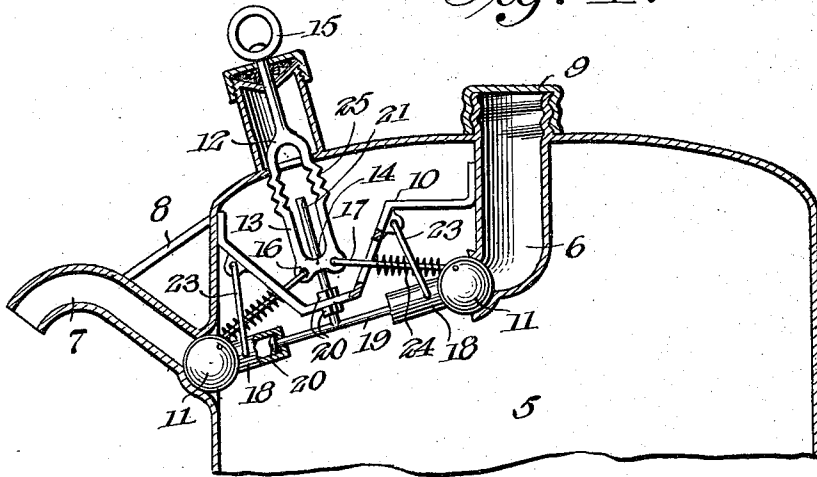


Fig. 2.

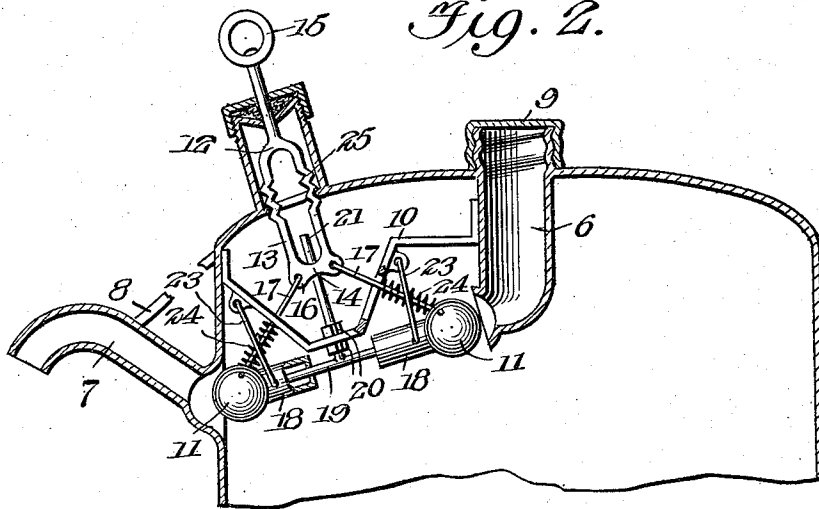
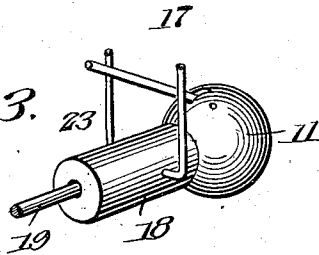


Fig. 3.



Witnesses

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NON-SPILLABLE OIL-CAN.

1,145,252.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM JAMES MATTHEWS, a citizen of the United States, residing at Yoakum, in the county of Dewitt and State of Texas, have invented new and useful Improvements in Non-Spillable Oil-Cans, of which the following is a specification.

This invention contemplates the provision of an oil can having a valve controlled inlet and outlet whereby the receptacle can be readily and easily filled and its contents prevented from spilling irrespective of what position the can may be arranged when not in use.

I further aim to provide a device of this character wherein the valve can be locked in either open or closed position while filling the same or discharging the contents therefrom.

Other objects and advantages will appear from the following description considered in connection with the accompanying drawing, the invention consisting of the combination, construction and arrangement of parts hereinafter more fully described.

In the drawing forming a part of this application like numerals of reference indicate similar parts in the several views, and in which:—

Figure 1 is a sectional view of the device constructed in accordance with my invention. Fig. 2 is a similar view showing the valves locked in open position. Fig. 3 is a detail view of one of the valves.

Referring more particularly to the drawing 5 designates a receptacle which may be constructed from any suitable material and of any desired contour, and comprises an inlet spout 6 depending a short distance within the receptacle through the top thereof, and the usual discharge spout 7 projecting from the body 5 and connected adjacent its upper end therewith by the brace bar 8, the inlet spout 6 being closed by the cap 9. Arranged within the receptacle for the purpose of bracing the inlet spout 6 and connected therewith and to the body 5 is the brace bar 10, the body portion of which is substantially V-shaped as shown. Controlling the said inlet and discharge spouts are

ball valves 11, which are simultaneously operable to permit of a ready filling and discharge of the contents from the receptacle.

The means employed for operating the valve 11 consists of an operating member 12 constructed from resilient wire or other suitable resilient material, and formed to provide spaced parallel side portions 13, a lower connecting strip 14 and a knob 15. The member projects within the receptacle through the top thereof at a point between said inlet and outlet spouts respectively, the opposite ends of the connecting strip 14 being formed with the eyes 16 in which are pivotally connected the adjacent ends of the arms 17 which latter are pivotally connected to the valves 11 in any suitable manner as shown.

Each of the valves 11 are provided with closed sleeves 18 projecting toward each other and through the closed ends of which extends the opposite ends of a horizontally disposed stationary rod 19 for slidably supporting and guiding the valves 11 in their movements to open and closed positions, the rod 19 being headed as at 20 to prevent casual separation of the parts.

The operating member 12 is mounted for sliding movement through the top of the receptacle and is guided therein by means of a guide rod 21 rising centrally from the stationary rod 19 and extending through suitable apertures in the brace bar 10 and cross piece 14 of the operating member into the latter, the units 20' rigidly connecting the said rods with the brace 10 as shown.

Depending from the brace 10 and pivotally connected thereto are bail-like members 23, the cross pieces 24 of which are passed through the sleeves 18 as shown in Fig. 3, the members 23 coöperating with the stationary rod 19 with a view of retaining the valves 11 in a horizontal plane during their movement to opened position, and thus insuring the valve to properly seat, when returned to closed position under action of the springs 24 which encircle the rods 17 and have their adjacent ends bearing against the brace bar 10 while their opposite ends there- of engage the ball valves 11.

With a view of locking the valves in

opened position to facilitate the filling of the receptacle as well as the discharge of its contents therefrom the opposite parallel side portions of the operating member 12 are crimped to provide teeth-like portions 25 which yieldably engage the edge of the opening in the top of the receptacle through which the member 12 is slidably mounted.

Briefly stated the use of the device is as follows: When it is desired to fill the receptacle the operating member 12 is drawn upwardly thus moving the valves 11 inwardly to opened position, the member 12 automatically locking itself in this position in the manner hereinabove described. The contents is then poured through the filling spout 6 into the can after which the operating member 12 is released thus permitting the valves to be forced under the tension of the springs to normal or closed position. To discharge the contents from the receptacle the operating member is again lifted and locked in a position to retain the valves opened, thus permitting the air to enter the receptacle through the inlet spout 6, while the contents are discharged through the spout 7.

From the foregoing description it will be manifest that I have provided a device of the character described which is simple in both construction and operation for the purpose intended, and while I have shown and described what I consider the preferred form of my invention I desire to have it understood that the same is merely illustrative and that various changes in the construction and arrangement of parts may be resorted to when desired as fall within the scope of the appended claims.

What I claim is:—

1. A receptacle having alined inlet and outlet ports, a brace arranged within said receptacle, an inverted T-shaped guide rod supported by said brace, spring pressed valves normally closing said ports and slidably mounted on the cross piece of said guide, means for simultaneously operating said valves, means for holding said valves in opened position, and said springs operating to return said valves to normal position upon release of said last mentioned means.

2. A receptacle having alined inlet and outlet ports, a brace arranged within said receptacle, an inverted T-shaped guide rod supported by said brace, spring pressed valves normally closing said ports and slidably mounted on the cross piece of said guide, an element connected with said valves for simultaneously operating the latter, said element being slidably mounted on the vertical stem of said guide, means for holding said element in elevated position, and said springs operating to return said element and valves to normal position upon release of said means.

3. A receptacle having alined inlet and outlet ports, a brace arranged within the receptacle, an inverted T-shaped guide rod supported by said brace, spring pressed valves normally closing said ports and slidably mounted on the cross piece of said guide, an operating element connected with said valves, said elements being slidably mounted on the vertical stem of said guide and projecting through an opening in the top of the receptacle, said element being constructed to engage the wall of said opening to hold the valves opened, and said springs operating to return the valves to normal position upon release of said element.

4. A receptacle having alined inlet and outlet ports, a brace arranged within said receptacle, an inverted T-shaped guide rod supported by said brace, spring pressed valves normally closing said ports, means for simultaneously operating said valves, sleeves associated with said valves and slidably mounted on the cross piece of said guide to retain the valves in proper alignment upon adjustment of the latter, means for locking said valves in opened position, and means for automatically returning said valves to normal position upon release of said first means.

5. A receptacle having alined inlet and outlet ports, a brace arranged within said receptacle, an inverted T-shaped guide rod supported by said brace, valves slidably mounted on the cross piece of said guide, an operating element slidably mounted on the vertical stem of said guide, rods connecting said valves and element simultaneously operating the valves on movement of said element, springs encircling said rods and operating to normally retain said valves closed, and means for locking said element in elevated position.

6. A receptacle having alined inlet and outlet ports, a brace arranged within said receptacle, an inverted T-shaped guide rod supported by said brace, spring pressed valves normally closing said ports and slidably mounted on the cross piece of said guide, yoke members swingingly supported on said brace and connected with said valves, an operating element connected with said valves for simultaneously operating the latter, said element being slidably mounted upon the vertical stem of said guide, means for holding said element in elevated position, and said springs operating to return said valves to normal position upon release of said element.

7. A receptacle having an opening in the top thereof, a spout depending within the receptacle through an opening and providing an inlet port disposed in horizontal alinement with an outlet port provided in the wall of said receptacle, spring pressed

valves normally closing said ports, an operating element connected therewith for simultaneously moving said valves in the same plane to opened position, said element
5 being movable through an opening in the top of said receptacle and constructed for engagement with the walls of said opening to hold said valves in opened position, and said springs operating to return said valves

to normal position upon release of said 10 means.

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

WILLIAM JAMES MATTHEWS.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."