

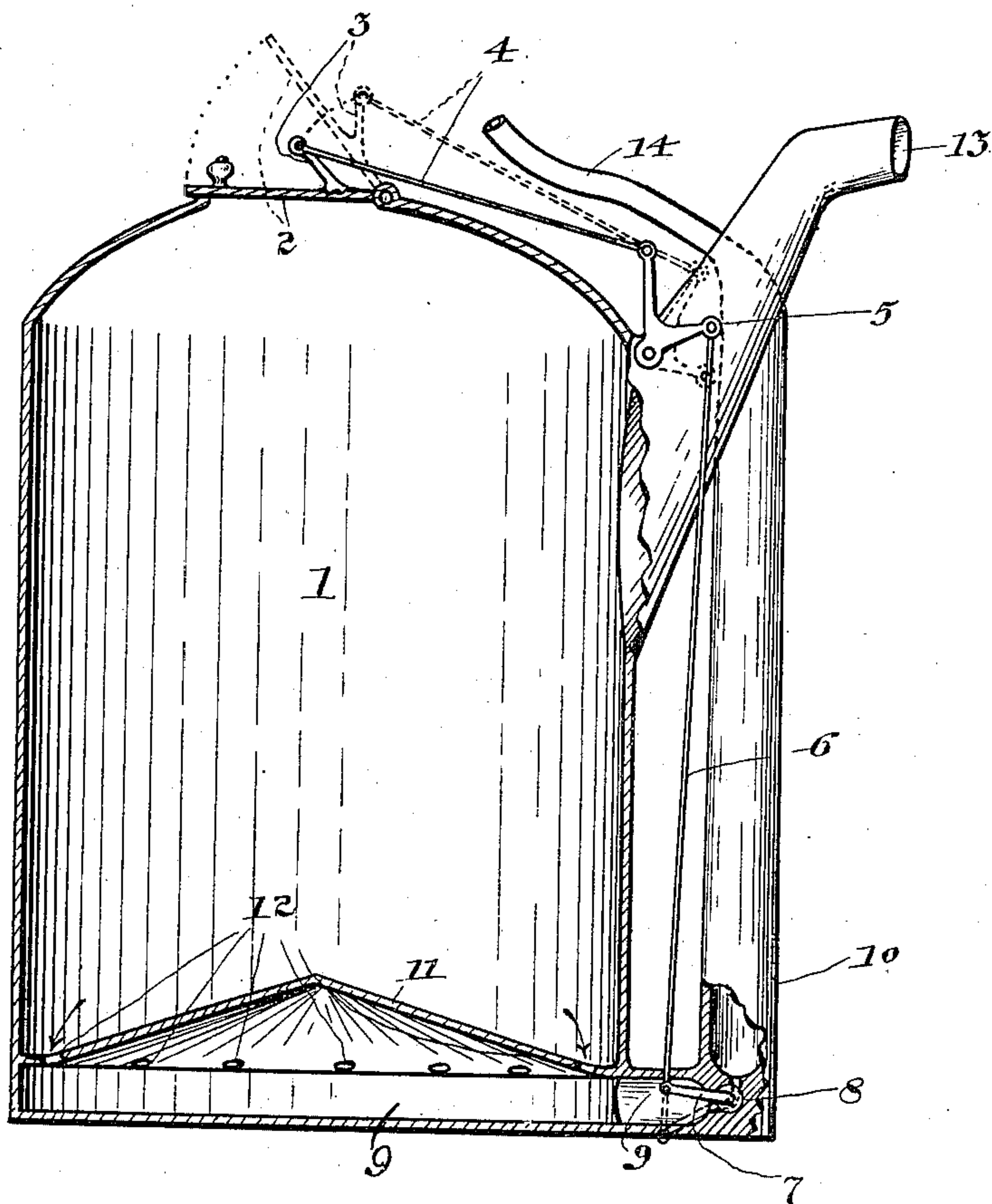
E. O'CONNOR.

GASOLENE CAN.

APPLICATION FILED JUNE 16, 1910. RENEWED FEB. 23, 1911.

989,865.

Patented Apr. 18, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

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GASOLENE-CAN.

989,865.

Specification of Letters Patent.

Patented Apr. 18, 1911.

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To all whom it may concern:

Be it known that I, EDWARD O'CONNOR, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Gasolene-Cans, of which the following is a specification.

My invention relates to improvements in gasolene cans adapted for use in filling automobile gasolene tanks, the object of the invention being the provision of a can of this character which shall be so designed and constructed as to automatically separate dirt or water from the gasolene so that the same will not be poured into the tank.

A further object of my invention is to provide a gasolene can which shall be simple of construction, inexpensive to manufacture, strong and durable, and efficient in operation.

Other objects will appear hereinafter.

With these objects in view my invention consists in the novel construction and arrangement of parts which will be hereinafter fully described and more particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawing in which the figure is a sectional elevation of my improved can in its preferred form.

The preferred form of my invention as illustrated in the accompanying drawing comprises a can 1 having a hinged cover 2 which is closed after the can is filled with gasolene ready for pouring into the tank. An arm 3 is provided on the cover 2, and the same is connected by means of a rod 4 to the bell-crank 5, which in operation is connected by means of a rod 6 to a stop-cock lever 7. The stop-cock 8 is adapted to open or close the passage-way between the chamber 9 and tube 10, and when the operative lever 7 thereof is in the position shown said passage-way is open, thus allowing gasolene containing sediment to flow freely there-through. The chamber 9 is covered by a conical-shaped diaphragm or trap 11 having perforations 12 formed in the periphery thereof.

The operation is as follows: When the can is being filled with gasolene the cover 2 is open and the stop-cock 8 closed, thus preventing pure gasolene from flowing into the tube 10. After the can is filled the cover 2 is closed, which operation opens the stop-

cock 8. Any solid matter or water contained in the gasolene will settle and flow through the perforations 12 into the chamber 9 and through stop-cock 8 into tube 10, which action will be rendered more certain when the can is tipped for pouring the gasolene through the spout 13 into the tank. It is readily seen that the impure gasolene in tube 10 will not escape therefrom until all of the gasolene from the can has been poured into the tank and the can tipped to a sufficient inclination to permit of flow through the small extension tube 14. The impure gasolene may then be poured into any suitable receptacle.

While I have shown what I deem to be the preferable form of my improved gasolene tank can I do not wish to be limited thereto as there might be various changes made in the details of construction and arrangement of parts described without departing from the spirit of my invention, and hence I desire to avail myself of such changes and alterations as fairly fall within the scope of the appended claims.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. In a device of the class described, the combination with a can having a spout and a hinged cover, of a longitudinally disposed tube arranged at one side of the can and connected with the bottom thereof, a valve in said tube, and means connecting said cover with said valve arranged to close the valve when said cover is opened and to open the valve when the cover is closed, substantially as described.

2. In a device of the class described, a can comprising a spout and a hinged cover, a longitudinal tube arranged at one side of the can and of a length substantially co-extensive therewith, a passage-way connecting the lower end of said tube with the bottom of the can, a valve permitting communication between said passage-way and said tube, an operating lever projecting from said valve, means connecting said lever with said cover adapted to open said valve when said cover is closed and to close the valve when said cover is opened, and a trap in the bottom of said can, substantially as described.

3. A can of the class described comprising a spout leading from one side thereof, a longitudinal tube connected with the bottom of the can and arranged adjacent said spout,

a valve controlling the flow of liquid through
said tube, a hinged cover located adjacent
the center of the top of the can, a reduced
extension of said tube terminating adjacent
5 said cover, an operating lever projecting
from said valve, an arm projecting up-
wardly from said cover, a bell-crank pivoted
to the body of the can, a rod connecting said
arm with said bell crank, a rod connecting
10 said bell-crank with said operating lever,
the arrangement being such that when said
cover is closed said valve will be open and
when said cover is open said valve will be
closed, and a perforated diaphragm ar-
15 ranged above and adjacent the bottom of the
can, substantially as described.

4. A can of the class described comprising
a spout projecting from one side thereof, a
longitudinal tube connected with the bottom
20 of the can and arranged adjacent said spout,
a valve controlling the flow of liquid through
said tube, a hinged cover located adjacent

the center of the top of the can, a reduced
extension of said tube terminating adjacent
said cover, an operating lever projecting 25
from said valve, an arm projecting up-
wardly from said cover, a bell-crank pivoted
to the body of the can, a rod connecting said
arm with said bell-crank, a rod connecting
said bell-crank with said operating lever, 30
the arrangement being such that when said
cover is closed said valve will be open and
when said cover is open said valve will be
closed, and a perforated conical-shaped trap
arranged above and adjacent the bottom of 35
said can, substantially as described.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

EDWARD O'CONNOR.

Witnesses:

JOSHUA R. H. POTTS,
JANET E. HOGAN.

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