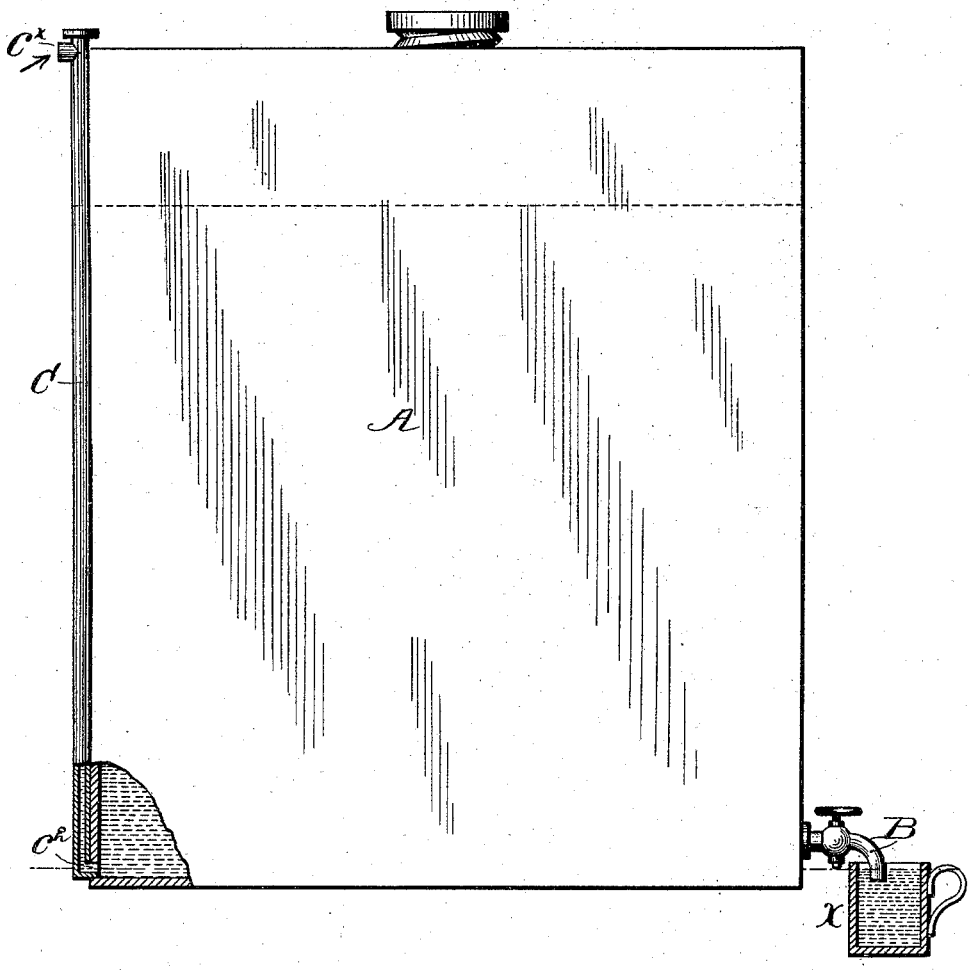
(No Model.)

T. A. SCHLUETER.

OIL CAN OR OTHER LIQUID RECEPTACLE.

No. 493,877. Patented Mar. 21, 1893.



Attest:

Walter Famariss

N. L. Coleman

Inventor:

Theodore A. Schlueter;

By Smith & Osborn,

Attorneys.

UNITED STATES PATENT OFFICE.

THEODORE A. SCHLUETER, OF OAKLAND, CALIFORNIA.

OIL-CAN OR OTHER LIQUID-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 493,877, dated March 21, 1893.

Application filed May 23, 1892. Serial No. 434,099. (No model.)

To all whom it may concern:

Be it known that I, THEODORE A. SCHLUETER, a citizen of the United States, residing in the city of Oakland, Alameda county, State of California, have invented certain new and useful Improvements in Automatic Cut-Offs for Faucets of Oil-Cans and other Liquid-Receptacles, of which the following is a specification.

My invention has for its object to permit the withdrawal of liquids from large receptacles such as cans, tanks or barrels into smaller vessels or receptacles without overflow and waste; and to such end and object it consists in the construction and combination of parts as hereinafter described, producing an automatic cut-off that is applicable to many receptacles and packages in which liquids of different kinds are put up for transportation and use. It is particularly useful for drawing off coal-oil from the original can or barrel into lamps or small cans, but it is also well adapted and can be readily applied for drawing off liquids from tanks and barrels into smaller vessels.

The following description explains the nature of the said invention, and the manner in which I proceed to construct and apply, the same; reference being had therein to the accompanying drawing that forms part of this specification:—and which illustrates my invention applied to a can or package such as those in which oil and some liquids are put up for market; and the same represents an air-tight package of such kind in side elevation, with the wall or side of the can broken away at the bottom to expose the inside construction.

A indicates the can or package, containing a liquid to be drawn off in larger or smaller quantities from time to time.

B is a faucet or a draw-off outlet controlled by a plug.

C is a tube with a small bore open at both ends and so placed and fixed in position on the outside of the can that its top end is open to the atmosphere outside the can but its lower end opens into the body of liquid in the can. If placed or formed on the outside as represented in the drawing, the tube communicates with the interior space of the can through an aperture C^2 in the wall. The aperture C^2 at the bottom of the tube opening into the can should stand about on a level with the outlet end or nose of the faucet and the tube extends from that point upward to the top of the can. The opposite end $C^\times$ of the tube is open to the atmosphere to expose the column of liquid standing in the tube to atmospheric pressure, but all other openings are tightly closed to keep the pressure from the surface of the main body of liquid.

It will readily be understood that in the operation of the device when the level of the liquid running into a vessel X held under the open faucet covers the nose of the faucet and reaches to the level of the opening C^2, the further flow of liquid will be cut off and the vessel cannot overflow as long as it is held at that point until the faucet is shut.

It will be evident that my invention is applicable to casks, barrels and other liquid holding packages from which the contents are to be drawn off into smaller vessels.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination with a can, barrel, or package containing liquid to be drawn-off into small vessels or receptacles, of a draw-off faucet and a tube open to the liquid at one end about at the level of the draw-off outlet, and at the opposite end open to the atmosphere above the level of the liquid in the package, substantially as described for operation as set forth.

2. The combination with a can or other liquid-holding package closed to the atmosphere from which the contents are to be drawn off through a plug or faucet, of the tube C communicating with the confined liquid at or near the bottom and with the atmosphere outside above the level of the confined liquid, as described.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

THEODORE A. SCHLUETER. [L. S.]

Witnesses:

W. R. THOMAS,

EDWARD E. OSBORN.