

(No Model.)

A. J. TSCHANTZ.
OIL CAN.

No. 487,500.

Patented Dec. 6, 1892.

Fig. 1.

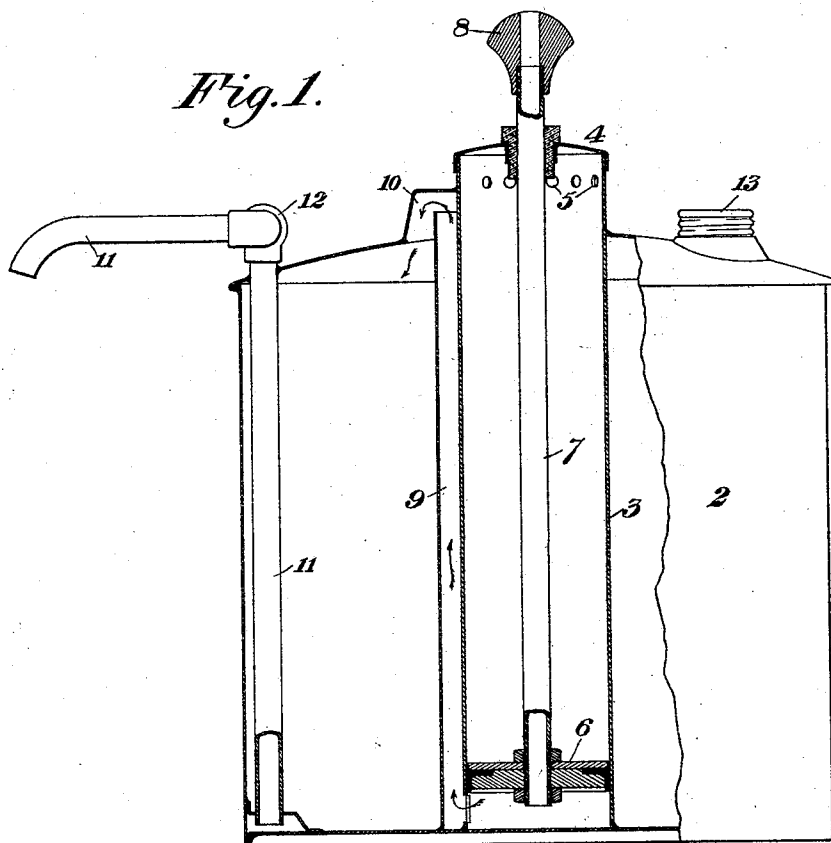
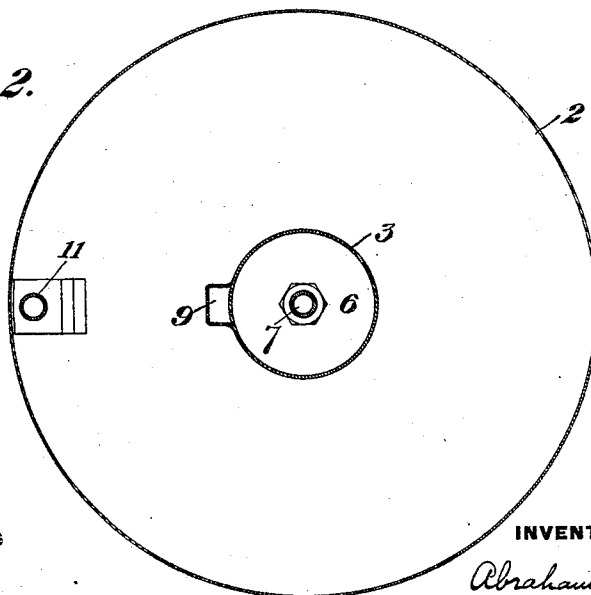


Fig. 2.



WITNESSES

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INVENTOR

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UNITED STATES PATENT OFFICE.

ABRAHAM J. TSCHANTZ, OF ORRVILLE, OHIO.

OIL-CAN.

SPECIFICATION forming part of Letters Patent No. 487,500, dated December 6, 1892.

Application filed July 21, 1892. Serial No. 440,781. (No model.)

To all whom it may concern:

Be it known that I, ABRAHAM J. TSCHANTZ, of Orrville, in the county of Wayne and State of Ohio, have invented a new and useful Improvement in Oil-Cans, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 shows a central vertical sectional view of my improved oil-can, and Fig. 2 is a cross-sectional view of the same.

My invention is designed to improve the construction of pneumatic oil-cans of the class set forth in my former patent, No. 451,229, dated April 28, 1891, and reissued February 9, 1892, No. 11,223; and to that end it consists in a valveless can of the pneumatic type—i. e., wherein the oil is caused to flow from the can by pneumatic pressure.

It also consists in the construction and arrangement of the parts as hereinafter more fully described, and set forth in the claims.

In the drawings, in which like numerals indicate corresponding parts, the can-body 2 is provided with the central air-tube 3, which extends from the bottom through the top of the can, the protruding portion 4 being closed at its upper end and provided with a series of side apertures 5. In this tube moves the piston 6, having a rod 7, which extends through the closed top of the tube or cylinder and is provided with a handle 8. This rod is hollow, being in the form of a tube and extends through the handle and piston, thus allowing air to pass down below the piston when the same is raised. Secured to one side of the central air-tube 2 is a tube 9, communicating with the central air-tube at its bottom and leading into a small chamber or dome 10 at its top, which chamber opens into the body of the can. The outlet-pipe 11 leads nearly to the bottom of the can and is jointed at 12 above the top, its outer end being suitably curved, as shown.

13 is the filling-aperture, provided with the usual screw-threaded cap.

The operation is as follows: The piston-rod being lifted and its upper end left open, air flows downwardly therethrough into the cylinder beneath the piston. The hand then being held over the hole in the handle and the same depressed, the air is forced through the tube 9 into the chamber 10 and produces a pressure upon the oil in the can, which is thereby forced outwardly through pipe 11 into the lamp. When the lamp is filled, the hand being removed from the handle-orifice, the pressure is released and the flow of oil stopped.

The advantages of my invention will be appreciated by those skilled in the art. The complicated system of valves heretofore employed in this type of cans is entirely dispensed with, and thus the can is much cheapened and simplified, the hand of the operator acting in place of such valves. The parts are simple, strong, and not liable to get out of order, while the action is positive and automatic.

Divers modifications in the construction and arrangement of my device will suggest themselves without departure therefrom, since

What I claim is—

1. A can having an imperforate bottom, a pump-cylinder within said can, a tube leading from the lower portion of the cylinder to the upper part of the can, and a piston having a hollow piston-rod movable in the pump-cylinder, substantially as described.

2. A can having a pump-cylinder therein which is provided with a perforated portion projecting above the top of the can, a tube leading from the lower portion of the cylinder to the upper part of the can, and a piston having a hollow piston-rod with an open upper end, substantially as and for the purposes described.

In testimony whereof I have hereunto set my hand this 18th day of June, A. D. 1892.

ABRAHAM J. TSCHANTZ.

Witnesses:

A. H. WALKEY,
HARRY J. DAVIDSON.