

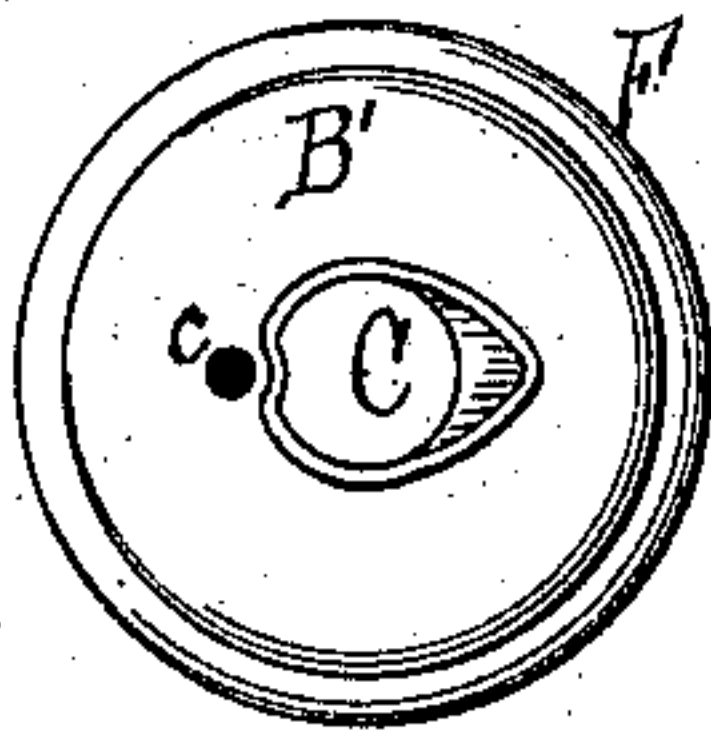
F. W. WIESEBROCK.

NOZZLES FOR OIL AND OTHER CANS.

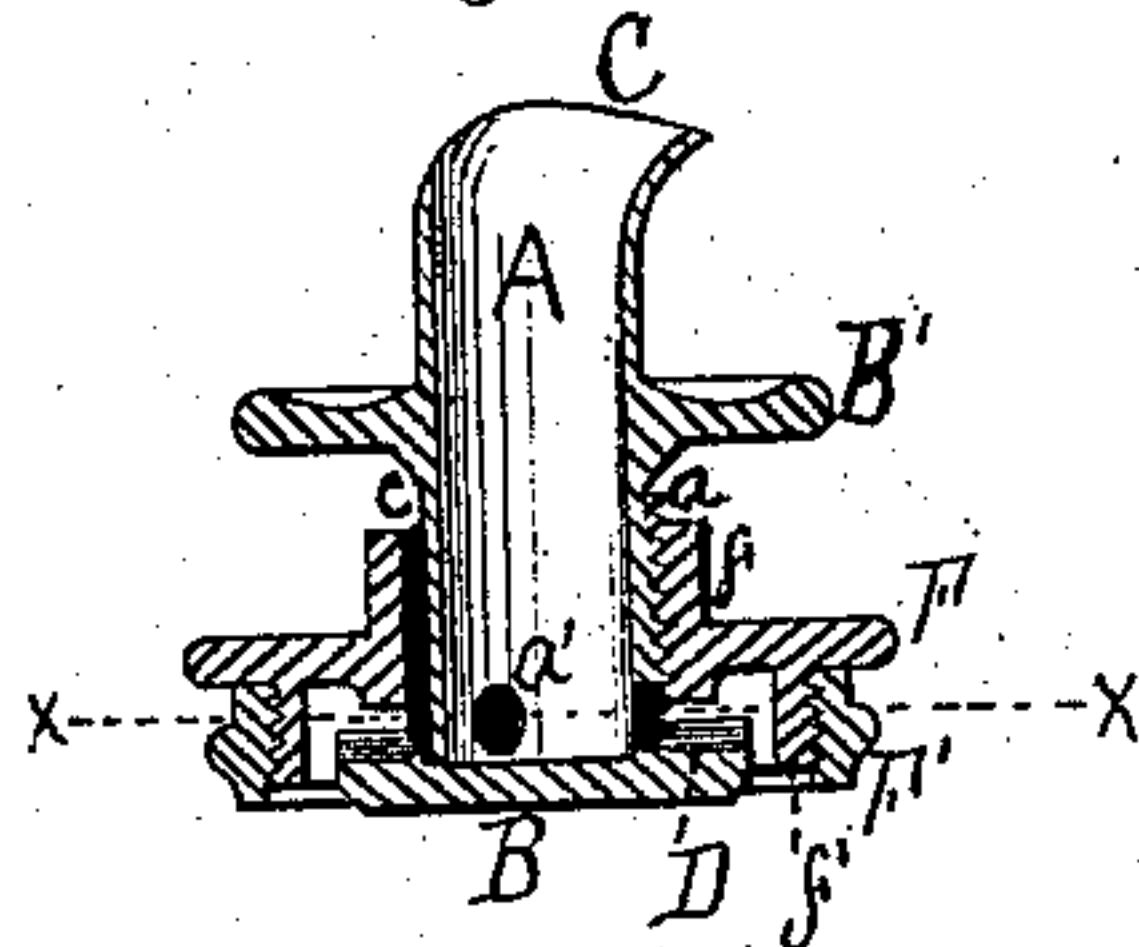
No. 174,333.

Patented Feb. 29, 1876.

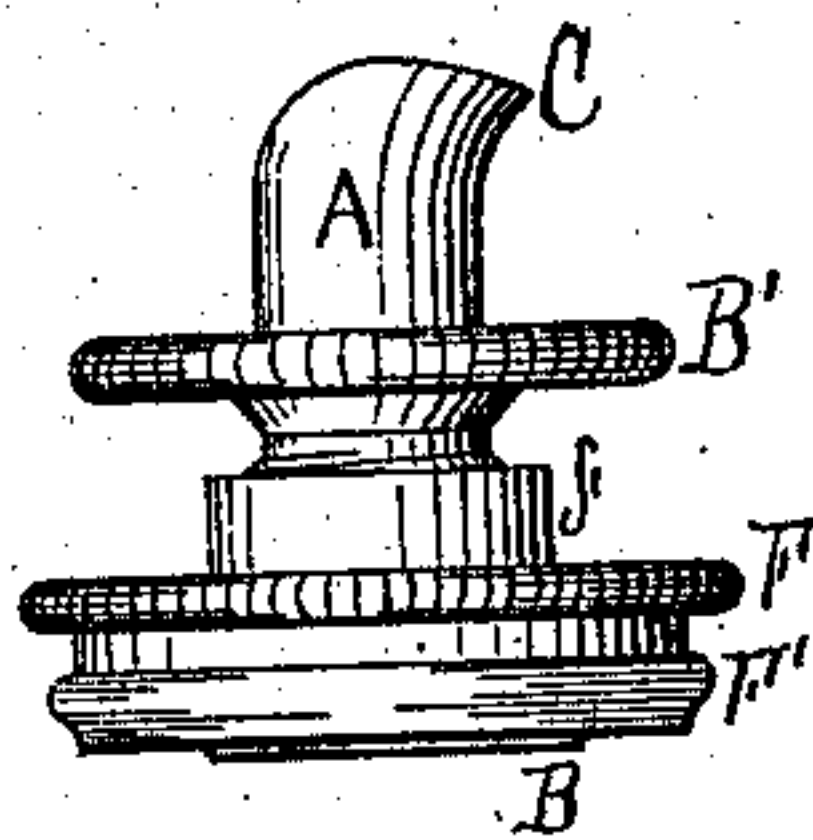
*Fig. 1.*



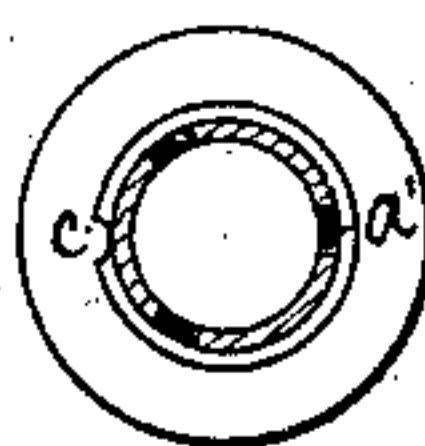
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



*Witnesses:*

*Edwin James.*

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*Inventor:*

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*per*

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# UNITED STATES PATENT OFFICE.

FREDERICK W. WIESEBROCK, OF BROOKLYN, NEW YORK

## IMPROVEMENT IN NOZZLES FOR OIL AND OTHER CANS.

Specification forming part of Letters Patent No. **174,333**, dated February 29, 1876; application filed September 28, 1875.

*To all whom it may concern:*

Be it known that I, FREDERICK W. WIESEBROCK, of Brooklyn, in the county of Kings and State of New York, have invented an Improved Nozzle for Oil and other Cans, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, and the letters of reference marked thereon, making part of this specification, in which—

Figure 1 is a front view. Fig. 2 is a vertical sectional view. Fig. 3 is a side view. Fig. 4 is a detached view on the line *x x*, Fig. 2.

The object of this invention is the construction of an efficient, cheap, and simple nozzle for oil and other cans, and one the principal parts of which can be cast in a mold, only requiring a few touches by hand to render the same ready for use.

The nature of my invention consists in so forming the nozzle that the conduit through which the fluid is discharged, as well as the air-vent, shall be formed in the stem upon which the valve is operated, and by this means dispense with all extra spouts, &c.

My invention also consists in so constructing the plate by means of which the valve is opened and closed that it can be screwed on a plate which is soldered to the can, and thus furnish an opening, through which the can may be filled when required, and dispensing with the necessity of an extra spout for that purpose.

The construction and operation of my invention are as follows:

A is the stem, to which is attached the valve-seat or bottom plate B. This stem A is made hollow, having screw threads *a* cut around its outer section, extending from the valve-seat to the outer plate B', and terminates in the discharge-nozzle C. D is a flexible washer, made of rubber or other suitable material, and which

rests upon the valve-seat or bottom plate B, forming a tight joint when the plate F is screwed down, so as to close the nozzle. In the stem A, and immediately above the washer D, are holes or orifices *a' a'*, which lead into the tube formed in the stem A. In the top of the stem A, and extending from the outside of the outer plate B' to the washer D, is a groove, *c*, which forms the air-vent. F is a hollow cylindrical metallic plate, formed with a circular flange on its top and bottom, the flange *f* having screw-threads cut on its inner surface, which operate in the screw-threads *a*, cut on the stem A, and the other flange, *f'*, having screw-threads cut on its outer surface, by means of which the nozzle is attached to the hollow cylindrical metallic plate F', which is soldered or otherwise permanently attached to the can. By means of the screw-threads cut in the inner surface of the plate F, and the screw-threads cut on the stem, the valve is opened or closed for the discharge or retention of the liquid, while, by means of the screw-threads cut on the outer surface of the plate F and those cut in the plate F', the nozzle can be removed and an opening furnished, by means of which the can may be replenished when required.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

In a nozzle for oil or other cans, the hollow stem A, provided with screw-threads *a*, holes *a' a'*, and groove or air-vent *c*, valve-seat B, and plate F, with or without the plate F', the whole constructed and arranged to operate substantially as described.

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

FREDERICK WILLIAM WIESEBROCK.  
Witnesses:

DAVID S. WALKER,  
H. W. SHEPARD.