(No Model.)

J. W. JACKSON.

OIL CAN.

No. 599,389. Patented Feb. 22, 1898.

Fig. 2.

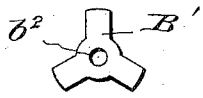


Fig. 3.

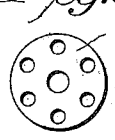


Fig. 1.

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN W. JACKSON, OF SHARPSVILLE, PENNSYLVANIA.

OIL-CAN.

SPECIFICATION forming part of Letters Patent No. 599,389, dated February 22, 1898.

Application filed May 7, 1897. Serial No. 635,543. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. JACKSON, a citizen of the United States of America, residing at Sharpsville, in the county of Mercer and State of Pennsylvania, have invented certain new and useful Improvements in Oil-Cans; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in oil-cans, the object of my invention being to provide an oil-can of improved construction having a removable spout which is provided with a valve-seat and valve mounted on a stem which is spring-actuated in one direction to hold the valve upon its seat, which valve is operated by a rod one end of which terminates below the valve-stem and the other end above the handle of the oil-can, a further object of my invention being to simplify and reduce the cost of manufacture by making the valve-seat and means for attaching the spout to the body of the oil-can, of a single piece.

In the accompanying drawings, Figure 1 is a side elevation, partly in section, showing an oil-can or lubricator constructed in accordance with my invention. Fig. 2 is a plan view showing guide for valve-stem. Fig. 3 is a plan view of disk to which the valve-stem is attached.

A refers to the body of the oil-can, which is provided with the usual handle A′ and an inclined top, to the upper portion of which is secured an internally-threaded ring *a*, which is adapted to be engaged by the lower portion of a connecting-piece B, to which the spout D is attached. The connecting-piece is made up from a single piece shaped so as to present an externally-screw-threaded lower end *b*, a flange *b′*, and a reduced portion of neck, which serves to hold in place a guide B′, which has a central aperture b^2, through which passes the valve-stem G. The valve-stem G has rigidly attached to the upper end thereof a valve *g*, while its lower end carries a perforated disk *g′* of slightly less diameter than the interior diameter of the connecting-piece B. Between the perforated disk *g′* and the guide B′ is placed a spring G′, which encircles a portion of the valve-stem, one end of the spring bearing upon the under side of the guide B′, while the other end bears upon the disk, the tendency of the spring being to hold the valve *g* upon its seat, and when the parts are in engagement the spring will force the guide B′ against the reduced portion or neck of the connecting-piece, so that it is not necessary to rigidly attach the guide-piece thereto.

The lower end of the spout D fits snugly upon the larger portion of the connecting-piece and abuts against the flange *b′* thereof, to which it may be secured by solder in the usual manner.

C refers to a curved or segmental tube which is suitably supported by being attached to the upper portion of the handle thereof and to the wall of the can-top through which it passes. This tube is so positioned that the inner end will be adjacent to the inner end of the spout, the other end projecting above the handle, so that said end will be positioned above the level of the upper portion of the can-top. The tube may have within the can a vent-opening *c*.

C′ refers to the valve-operating rod, the outer end of which carries a thumb-piece *c′*, the inner end being bent to provide a rounded contact-surface for engagement with the lower end of the valve-stem. This bend will prevent the withdrawal of the operating-rod from the tube. The outer end of the rod is also bent, as shown.

In operation when it is desired to move the valve from its seat it is only necessary to depress the outer end of the valve-operating rod, which will cause the inner end thereof to bear upon the lower end of the valve-stem, compress the spring, and move the valve off its seat, so that the oil may flow from the can through the spout. When the valve-operating rod is in its normal position, the valve will be held upon its seat by the expansion of the spring. It will also be noted that the curved valve-operating rod which is carried

by the tube has bends therein which limit the movement of the rod by reason of said bends engaging with the ends of the tube.

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

1. In an oil-can having a spout, a valve mounted on a valve-stem, a curved tube carried by the can, one end of said tube being positioned above the handle and the other end within the can below the valve-stem, a valve-operating rod carried by the tube and having its inner end bent to form a rounded portion for engagement with the valve-stem, the outer end of said rod being bent upon itself, the bends preventing the removal of the rod from the tube, substantially as shown.

2. In an oil-can, the combination with a spout having a valve-seat, of a spring-retracted valve-rod, a curved tube carried by the can, a rod carried by said tube the ends thereof being bent as shown, the inner end being adapted to engage the valve-rod, the outer end being positioned above the handle and provided with a thumb-piece, for the purpose set forth.

3. In an oil-can, the combination with a spout and connecting member thereof which is provided with a valve-seat positioned within the spout, a guide which engages with an intermediate portion of the connecting member, a valve-rod having at one end a valve and a perforated disk at the other end, a spring which encircles the valve-rod and bears upon the guide and disk, of a curved tube attached to the can, a rod carried by said tube one end thereof being positioned below the valve-rod and the other end above the handle of the can, substantially as shown and for the purpose set forth.

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

JOHN W. JACKSON.

Witnesses:

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P. J. BARTLESON.