G. J. HOEFLER & O. F. KOEHLER.

OIL CAN.

APPLICATION FILED APR. 12, 1917.

1,261,814. Patented Apr. 9, 1918.

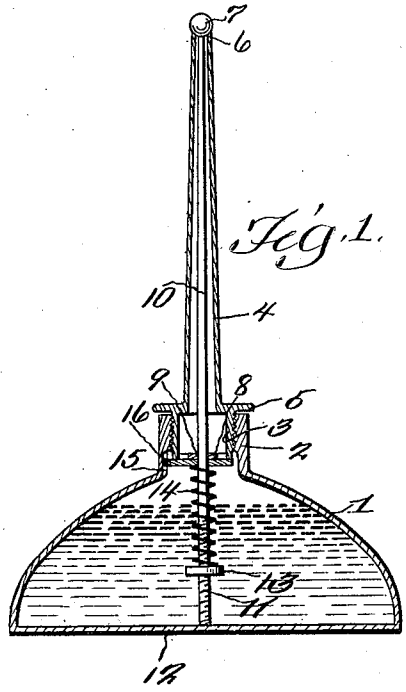

Fig. 1.

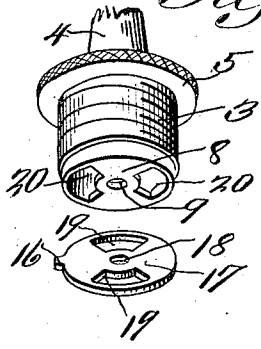

Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE J. HOEFLER AND OTTO F. KOEHLER, OF STAPLETON, NEW YORK.

OIL-CAN.

1,261,814. Specification of Letters Patent. Patented Apr. 9, 1918.

Application filed April 12, 1917. Serial No. 161,520.

To all whom it may concern:

Be it known that we, GEORGE J. HOEFLER and OTTO F. KOEHLER, citizens of the United States, residing at Stapleton, in the county of Richmond, State of New York, have invented a new and useful Oil-Can; and we 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.

This invention relates to an improved oil can, and one of the objects of the invention is the provision of a device of this kind, which is simple, efficient and practical in construction, and may be manufactured for a small cost and sold at a reasonable profit.

A further object of the invention is to provide means for closing the upper extremity of the spout of the oil can, thereby preventing excessive evaporation of the lubricant or oil in the can.

A further object of the invention is to provide the spring tensioned closure for the upper end of the spout of an oil can having means to be engaged by the vibrating bottom of the can, whereby said closure may be opened against the action of the spring means.

A further object of the invention is the provision of means for adjusting the tension of the spring means.

A further object of the invention is the provision of means to be actuated by the lower end of the oil can spout, for controlling the flow of the oil, even though the ball closure at the top of the spout may be opened and the can inverted.

In practical fields, the details of construction may necessitate alterations falling within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings:—

Figure 1 is a vertical sectional view, showing another form of oil can.

Fig. 2 discloses views of the means to be actuated by the spout for controlling the oil in its flow, even though the ball closure at the top of the spout may be opened.

Referring more especially to the drawings, 1 designates the body of the oil can, which constitutes a receptacle for the oil or lubricant, and is provided with a threaded extension 2. To engage the interior threads of the extension 2 is the enlarged extension 3 of the oil can spout 4, which may be any suitable shape, preferably tapering. Where the spout joins the extension 3, a flange 5 is formed, which binds against the upper edge of the extension 2. The upper end of the spout 4 has a valve seat 6 to be engaged by the ball closure or valve 7. Extending across the extension or part 3 is a web or spider 8, provided with a guide opening 9, in which the rod 10 (which carries the ball valve or closure 7) is guided. The lower end of the rod 10 is supplied with threads 11, and the lower extremity of said rod engages the inner face of the bottom 12 of the body of the oil can. Engaging the threaded portion of the rod 10 is a collar 13, between which and the spider or web 8 and coiled about the rod is a spring 14, which holds the lower extremity of the rod in contact with the body of the bottom of the can, and the ball valve closed against its seat. By means of the collar 13, the tension of the spring may be increased or decreased.

The lower interior part of the extension 2 is provided with a vertical groove or recess 15, which is engaged by the lug 16 of the spider plate 17, through the opening 18 of which the rod 10 extends. This spider plate 17 is provided with diametrically oppositely disposed segment openings 19, which are designed to register with the diametrically oppositely disposed segment opening 20 of the spider or web 8 of the extension 3, when a partial or half turn is imparted to the spout of the oil can. The openings 19 and 20 are out of registration, and should the oil can be inverted and the ball closure or valve 7 open, oil will be prevented from entering and passing through the outlet spout 4. By means of the spring 14, this spider plate 17 is held in contact with the spider or web 8, thereby preventing the escape of the oil. However, when the can is inverted, and the bottom thereof is depressed downwardly to open the valve 7, the spout may be turned partially for a half revolution, so that the openings 19 and 20 may register, thereby allowing the lubricant or oil to enter and pass through the spout. It is to be noted that the spider plate 17 is held against rotation by virtue of the lug 16 engaging the recess or groove 15, whereas the web or spider 8 will rotate with the spout. Furthermore, it is to be seen by adjusting the spout slightly upwardly, the tensioned spring 14 may be

lessened, without removing the spout. In order to increase the tension of the spring, the spout may be disconnected entirely from the body of the oil can, and the collar 13 adjusted accordingly. From the foregoing, it is to be observed, that there has been presented different forms of the invention and either one of which may be manufactured within the scope of the claim.

The invention having been set forth, what is claimed as new and useful is:—

An oil can comprising a hollow body provided with an interiorly threaded extension, said extension having a vertical guide groove or recess, a spider plate having openings and provided with a lateral lug engaging said guide groove, an oil can spout having its lower portion threaded into said threaded extension, said lower portion of the spout having a web provided with openings adapted to register with the openings of the spider plate when the spout is rotated partially, a valve for the upper end of the spout, and means guided through the web of the spout and adapted to be engaged and operated by the bottom of the body to open said valve, said means having means performing the double function of automatically closing the valve and holding the spider plate and web in contact.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

GEORGE J. HOEFLER.
OTTO F. KOEHLER.

Witnesses:
JOSEPH L. BUCKLEY,
ISIDOR KATZ.

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