A. SMITH, JR.

OIL CAN.

APPLICATION FILED APR. 30, 1920.

1,373,535. Patented Apr. 5, 1921.

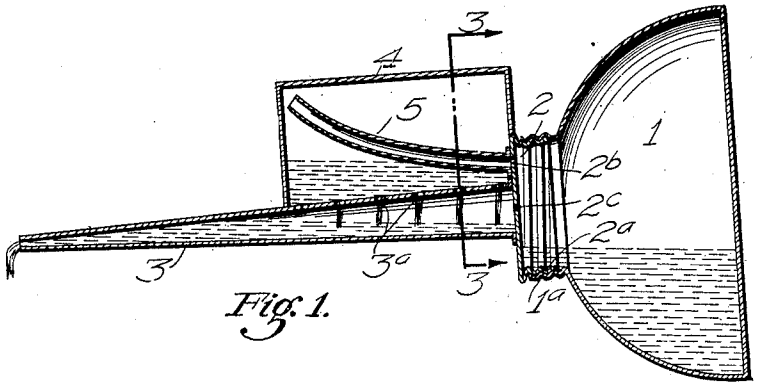


Fig. 1.

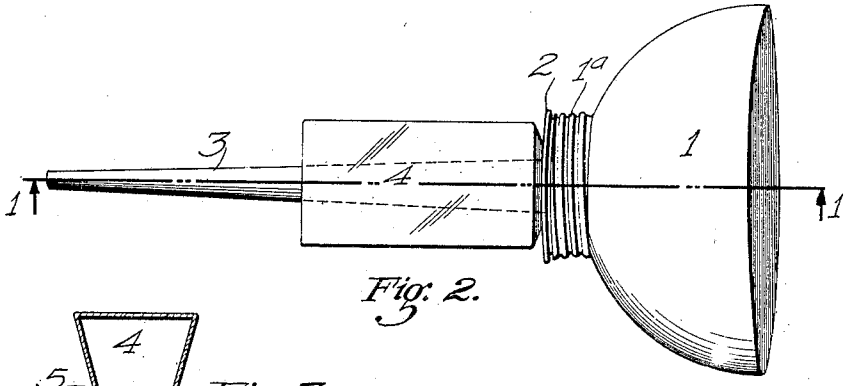


Fig. 2.

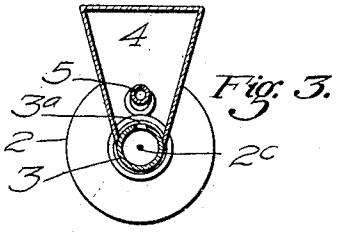


Fig. 3.

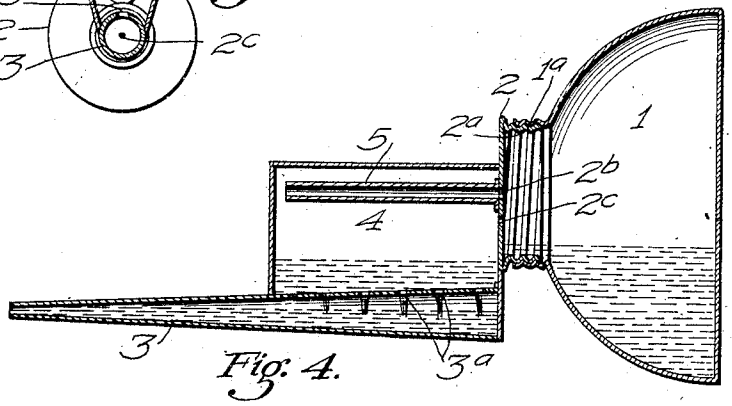


Fig. 4.

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UNITED STATES PATENT OFFICE.

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OIL-CAN.

1,373,535. Specification of Letters Patent. Patented Apr. 5, 1921.

Application filed April 30, 1920. Serial No. 377,769.

To all whom it may concern:

Be it known that I, ALLEN SMITH, JR., a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented certain new and useful Improvements in Oil-Cans, of which the following is a specification.

My invention relates to oil cans for oiling the wearing parts of machinery and the like and the object of this invention is primarily improvements over my application for oil cans filed in the United States Patent Office January 12, 1920, Serial No. 350,918 and the objects of such improvements are: First, to provide an oil can of this class in which the action of the air may be utilized for forcing the oil from the spout by the usual diaphragm action of the bottom of the can so that when only a small quantity of oil is in the bowl, oil may be forced out though the spout is positioned practically vertical with the open end up; second, to provide an oil can of this class whereby the oil will drain back into the bowl if positioned on the bottom of the bowl in upright position; third, to provide an oil can of this class in which oil may be forced or poured from the end of the spout when the can is in any position; fourth, to provide an oil can of this class wherein practically all of the oil from the bowl must pass through an intermediate reservoir regardless of the position of the can; fifth, to provide an oil can of this class which is simple and economical of construction, durable, easy to operate, efficient in its action and which will not readily deteriorate or get out of order.

With these and other objects in view as will appear hereinafter my invention consists of certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims reference being had to the accompanying drawings and to the characters of reference thereon which form a part of this application in which:

Figure 1 is a longitudinal sectional view of my oil can on the line 1—1 of Fig. 2; Fig. 2 is a top or plan view of the can at a right angle to that of Fig. 1; Fig. 3 is a sectional view through 3—3 of Fig. 1 and Fig. 4 is a longitudinal sectional view of the can in a slightly modified form from that of Figs. 1, 2 and 3.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawings.

The body 1, spout connection 2, spout 3, auxiliary receptacle 4 and tube 5 constitute the principal parts and portions of my oil can.

The body 1 is of the ordinary or conventional type provided with a threaded portion 1^a adapted for the spout threads 2^a of the connection 2 to screw therein. Secured to this connection portion 2 is the spout 3 and receptacle 4. In the preferred form of construction shown in Figs. 1, 2 and 3 the spout 3 is in alinement with the middle of the can body and the receptacle 4 secured on one side thereof and communicating therewith by means of a plurality of apertures 3^a. Extending through the connection portion 2 is a tiny hole 2^c which is adapted for a small vent and there is also provided another large hole 2^b and connected therewith is a tube 5 which extends into the receptacle and its free end extends to a position in the opposite corner of said receptacle 4 so that when the can is in an upright position the receptacle 4 may be approximately full and the oil will not run back into the can, except very slowly through the vent 2^c.

In the modified form of construction shown in Fig. 4 of the drawings the spout 3 is offset to one side of the center of the can bowl. The tube 5 is straight instead of curved and is positioned centrally in the can.

Though I have shown and described a particular construction, combination and arrangement of parts and portions and a certain modification thereof I do not wish to be limited to this particular construction, combination and arrangement nor to the modification thereof but desire to include in the purview of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

It is obvious that with this construction there is provided an oil can by the use of which oil may be forced from the end of the spout by tilting the can only slightly from a horizontal plane thus providing for oiling places that are practically inaccessible for tilting the conventional can and forcing oil from the same when there is only a small quantity of oil in the can by pressure on the bottom of the can and that

oil may be forced from the can when the can is practically upright by the air passing from the bowl through the tube 5 and against the oil in the vessel forcing it out.

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

1. An oil can, including a body, a spout secured thereto, an auxiliary reservoir secured to one side of and communicating with said spout and a conducting tube extending into said auxiliary reservoir and communicating with said body.

2. An oil can, including a body portion, a spout secured thereto, an auxiliary reservoir secured to one side of said spout and communicating therewith, a tube communicating with said body and said reservoir and extending into said reservoir.

3. A device of the class described, including an oil can spout, an oil receptacle secured on the side of said spout provided with an aperture communicating with the interior of said spout and a tube forming the inlet for said spout extending into said reservoir.

4. An oil can, including a body, a spout secured thereto, an auxiliary reservoir secured to one side of said spout and communicating therewith, a conducting tube connecting said body with said auxiliary reservoir and extending some distance into said auxiliary reservoir and vent means between said body and said spout in addition to said tube.

In testimony whereof I have hereunto set my hand at San Diego, California, this 24th day of April, 1920.

ALLEN SMITH, JR.