

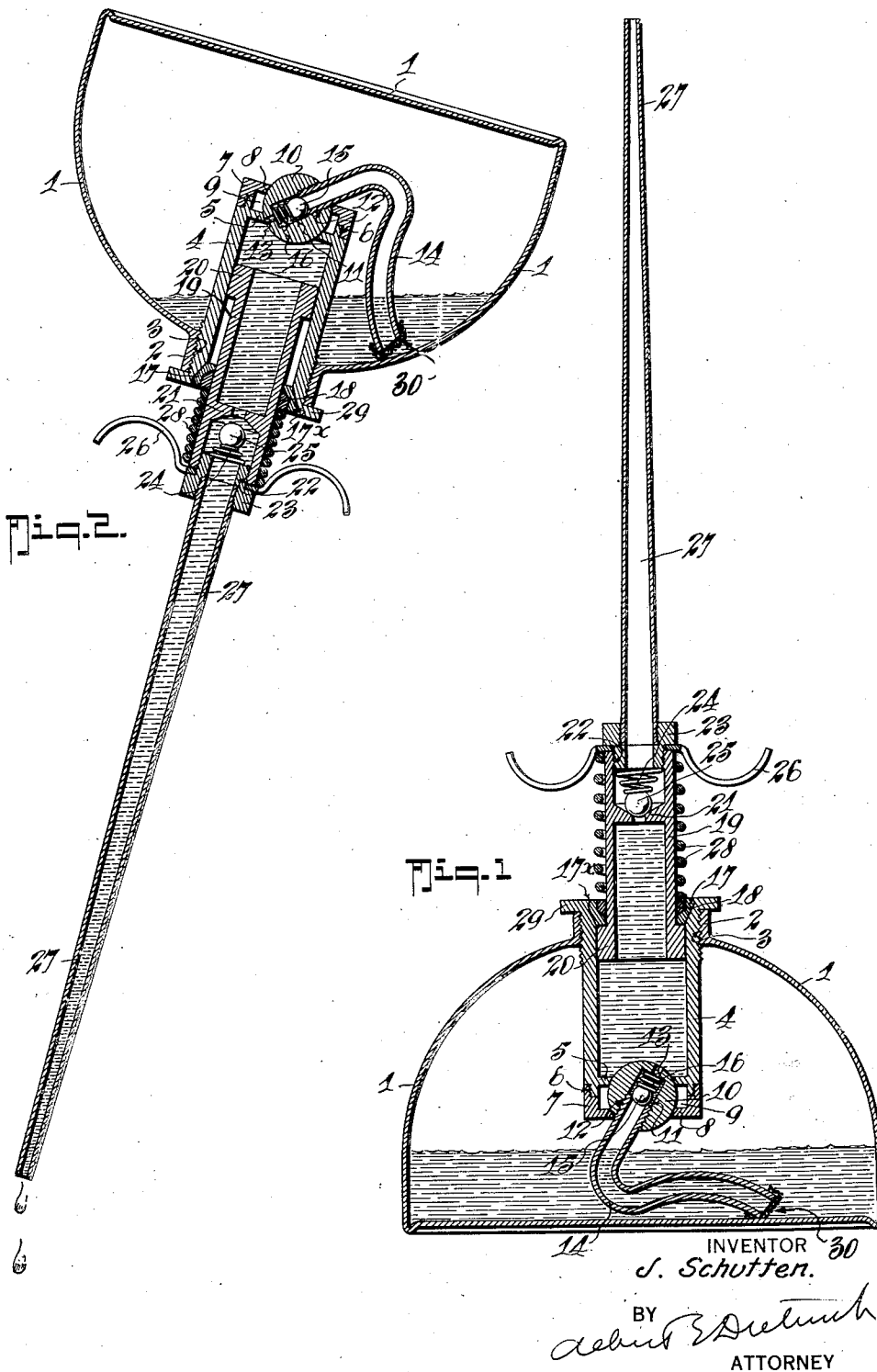
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J. SCHUTTEN

OIL CAN

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# UNITED STATES PATENT OFFICE.

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OIL CAN.

Application filed November 26, 1924. Serial No. 752,384.

*To all whom it may concern:*

Be it known that I, JOSEPH SCHUTTEN, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles 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 of the type disclosed in my Patent #1,514,107, granted November 4, 1924.

The present invention has for its object to simplify the construction disclosed in said patent and reduce the cost of manufacture to the minimum.

The invention resides in those novel details of construction, combination and arrangement of parts, all of which will be first fully described, then be specifically pointed out in the appended claims and illustrated in the accompanying drawing, in which:

Figure 1 is a vertical longitudinal section of my invention, the parts being in the normal or rest position.

Figure 2 is a view showing the invention in use, the plunger being forced inwardly to eject the oil.

In the drawing, in which like numerals and letters indicate like parts in all of the figures, 1 represents the main body portion of the oil receptacle which is constructed in any desired shape and of any desired material. It is constructed in a half spherical form, as illustrated, and it includes the usual threaded filling neck 2.

4 designates the cylinder which is threaded at 3 and capped at 29 to fit into the neck 2 and form a closure therefor, the cylinder 4 having a bearing web 5 to engage the ball 10, the latter being held in place against the bearing web 5 by a cap 7 also having a bearing portion 8 and threaded at 6 to the lower end of the cylinder 4, the bearing webs 5 and 8 being spaced apart to provide a chamber 9 in which packing may be placed, if desired, or found necessary.

The ball 10 has universal movement in its bearings 5 and 8 and is bored at 11 and tapped at 12 to receive the goose neck pipe 14, the latter being threaded into the threaded portion 12 of the bore 11 and adapted to be normally closed by a ball valve 15 under tension of a light spring 16 held in the bore 11, the bore 11 being restricted at 13 to constitute an abutment for the spring 16.

17 is a plug fitted into the upper end of the cylinder 4 and held in place in any de-

sired manner as by welding, brazing or riveting over (as at 17\*), the plug 17 being bored for the passage of the piston 19 whose head 20 works in the cylinder 4. 18 is a packing held in a recess in the plug 17 by a coil spring 28 mounted on the plunger or piston 19, the other end of the spring engaging the finger plate 26 which is apertured to permit passage of the screw plug 23 that is threaded at 22 into the upper end of the plunger 19 and that carries the spout 27 to which it is attached in any desired way, as by welding, brazing, soldering, etc.

The plunger 19 is provided with a valve seat 21 whose passage is adapted normally to be closed by a ball valve 25 under tension of a light spring 24.

In operation, the plunger 19 is telescoped into the cylinder 4 to expel the contents of the plunger and cylinder through the spout 27 during the inward stroke of the plunger and its piston head 20. During this inward stroke the valve 15 remains seated and the valve 25 opens, as indicated in Figure 2. On releasing the pressure, which tends to telescope the parts 19 and 4, the spring 28 will move the plunger 19 outwardly with relation to the cylinder 4 thereby permitting valve 25 to close and valve 15 to open, thus causing suction in the pipe 14 to draw up a new charge of oil into the cylinder 4 and washer 19.

The goose neck 14 is so shaped when the can is inverted, as shown in Figure 2, the mouth of the goose neck 14 will follow the contour of the body 1 and enable practically all of the contents of the body to be withdrawn regardless of its position. A screen 30 may be placed over the end of the pipe 14 for the usual purposes.

From the foregoing description, taken in connection with the accompanying drawing, it is thought the complete construction, operation and advantages of my invention will be readily understood by those skilled in the art.

What I claim is:

1. In a device of the class described, the combination with a liquid reservoir body having a threaded mouth, a cylinder having a threaded end screwed into said mouth, a plunger operating in said cylinder, a spring for extending the plunger, a spout carried by the plunger, a back check valve mounted within the plunger, said cylinder having a bearing web adjacent its lower end and a

cap with a bearing web mounted on the lower end of the cylinder and spaced from said cylinder bearing web, a ball journaled in said cylinder and cap bearing webs, said ball having a bore to receive a ball valve and spring, and a goose neck pipe threaded into said bore and adapted to have its end closed by said ball valve.

2. In a device of the class described, a liquid reservoir having a threaded opening, a cylinder having its upper end threaded to fit into and plug said threaded opening, said cylinder having a bearing at its lower end, a pipe swivelly mounted in said bearing for delivering the contents of said reservoir to said cylinder, a back check valve associated with a delivery end of said pipe, a plunger with a head mounted in said cylinder, a plug having a plunger bearing aperture and secured in said cylinder, said plug having a packing recess and a packing located in said recess, a spring on said plunger pressing against said packing and adapted to extend the plunger, a spout carried by said plunger, a back check valve in said

plunger, and a finger piece on said plunger by which said plunger may be forced inwardly thereby compressing the spring and ejecting the contents of said plunger and said cylinder substantially as shown and described.

3. In a device of the class described the combination with a liquid reservoir body having a threaded mouth a cylinder having a threaded end screwed into said mouth, a plunger operating in said cylinder, a spring for extending the plunger, a spout carried by the plunger, a back check valve mounted within the plunger, said cylinder having a bearing web adjacent its lower end and a cap with a bearing web mounted on the lower end of the cylinder and spaced from said cylinder bearing web, a ball journaled in said cylinder and cap bearing webs, said ball having a bore to receive a ball valve and spring, and a pipe threaded into said bore and adapted to have its exit end closed by said ball valve, and a screen on the entrance of said pipe.

JOSEPH SCHUTTEN.