

No. 819,217.

PATENTED MAY 1, 1906.

C. R. HARLESS.

OIL CAN.

APPLICATION FILED OCT. 9, 1905.

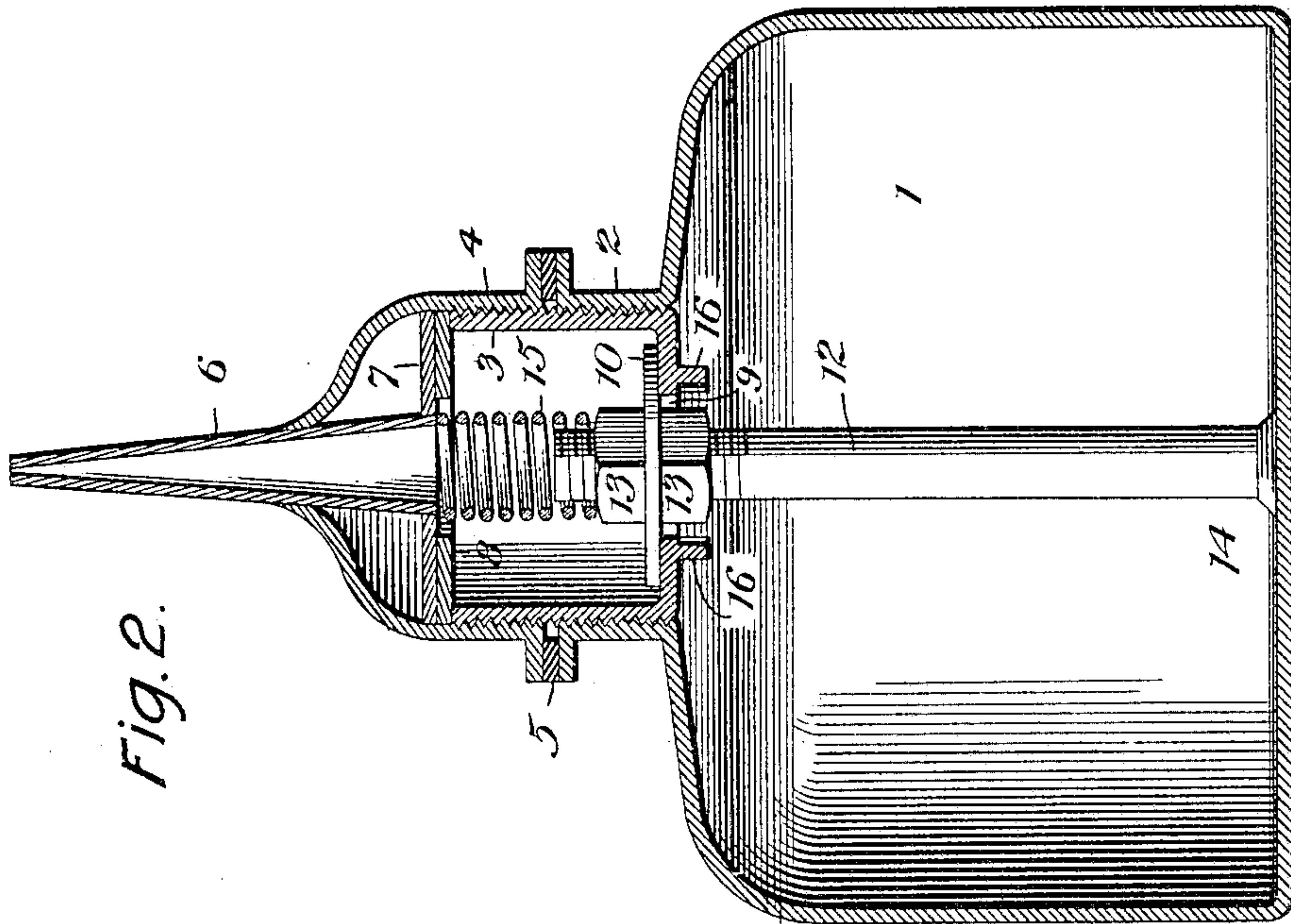


Fig. 2.

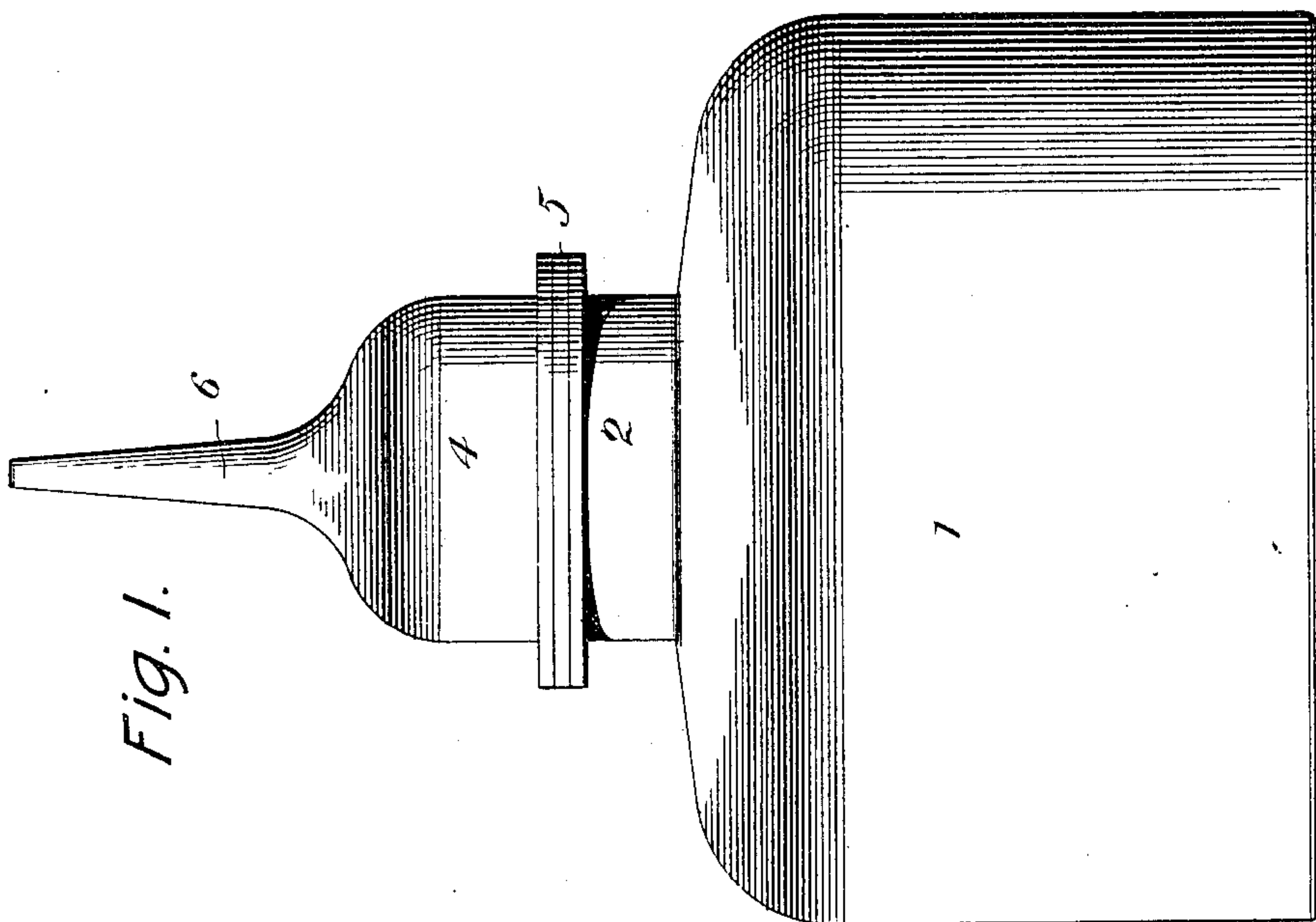


Fig. 1.

Witnesses

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OIL-CAN.

No. 819,217.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed October 9, 1905. Serial No. 282,040.

To all whom it may concern:

Be it known that I, CHARLES RAYMOND HARLESS, a citizen of the United States, residing at Dayton, in the county of Columbia and State of Washington, have invented certain new and useful Improvements in Oil-Cans; and I do 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 improvements in oil-cans.

The object of the invention is to provide an oil-can having means whereby the discharge opening or outlet will be normally closed to prevent the discharge of oil should the can be upset, means being provided whereby the discharge-opening may be readily opened for use, after which the same will be automatically closed.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view of a can constructed in accordance with the invention, and Fig. 2 is a central vertical sectional view of the same.

Referring more particularly to the drawings, 1 denotes the body of the can, which may be of any suitable size and shape and is provided on its upper end with an interiorly-threaded neck 2. Adapted to be screwed into the neck 2 is a cylindrical valve-casing 3, the upper end of said valve-casing projecting above the end of the neck of the can, and onto said projecting end is adapted to be screwed a cap 4. Between the outer edge of the neck and the inner end of the cap 4 is arranged a washer 5. Arranged in the cap 4 is a centrally-disposed discharge-spout 6, the inner end of which projects into the cap 4 and is secured to a metallic washer-plate 7, on the under side of which and between the same and the upper edge of the valve-casing 3 is arranged a leather washer 8. The washers 5 and 8 form an oil-tight closure between the cap and the body portion of the can.

The bottom of the valve-casing 3 forms a valve-seat, and in the same is formed a discharge-opening 9. On the bottom of the casing 3 is adapted to be seated a valve 10, said valve being arranged on the outer end of the valve-stem 12 and is held in place on said

valve-stem by means of nuts 13, screwed onto the stem above and below the valve. The valve-stem 12 projects into the body of the can 1 and preferably has formed on its inner end a head 14, which engages the bottom of the can, as shown. In the valve-casing 3 is arranged a coil-spring 15, one end of which bears against the outer nut 13 and the opposite end against the metallic washer 7 around the inner end of the discharge-spout 6. If desired, the inner end of the valve-casing 3 may be provided with lugs 16 to facilitate the screwing of the same into the cap 4.

When it is desired to discharge oil from the can, the bottom of the same is pressed inwardly, which movement will force the valve 10 out of engagement with the seat on the bottom of the valve-casing, thereby opening the discharge-aperture 9 in said bottom, which will permit the oil to flow from the can-body into the valve-casing and from thence out through the discharge-spout. As soon as the pressure on the bottom of the can is relieved the spring 15 will close the valve into engagement with the seat, thus cutting off further discharge of oil from the can.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. An oil-can having a neck and further provided with a stem extending from the bottom of the can into said neck, a valve fixed on said stem, a casing in said neck having a bottom provided with an opening through which said stem extends and forming a seat for said valve, a cap on said casing and having a spout, and a spring acting on the valve to normally close the same.

2. In an oil-can, the combination with the can-body having an interiorly-threaded neck, of a valve-casing adapted to be screwed into said neck, said casing having formed therein a discharge-opening, a cap adapted to be screwed onto said valve-casing, a discharge-spout, having its inner end disposed in said cap, washers arranged in the cap to

support the inner end of the spout and to close said valve-casing, an oil-discharge valve arranged in the bottom of said casing, to close said discharge-opening, a spring to close said
5 valve, and means whereby the latter may be opened by pressure on the bottom of the can, substantially as described.

3. In an oil-can, the combination with the can-body having an interiorly-threaded
10 neck, of a valve-casing adapted to be screwed into said neck, said casing having formed therein a discharge-opening, a cap adapted to be screwed onto said valve-casing, a discharge-spout, having its inner end disposed
15 in said cap, washers arranged in the cap to support the inner end of the spout and to close said valve-casing, a washer arranged

between the inner edge of the cap and the edge of the can-opening, an oil-discharge valve arranged in said casing to close said
20 discharge-opening, a spring to normally hold said valve in closed position and a valve-stem secured to said valve, said stem being adapted to engage the bottom of said can whereby upon pressure on the bottom of the
25 latter the valve will be opened, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

C. R. HARLESS.

Witnesses:

W. E. CAHILL,
LEDORA DILLINGHAM.