

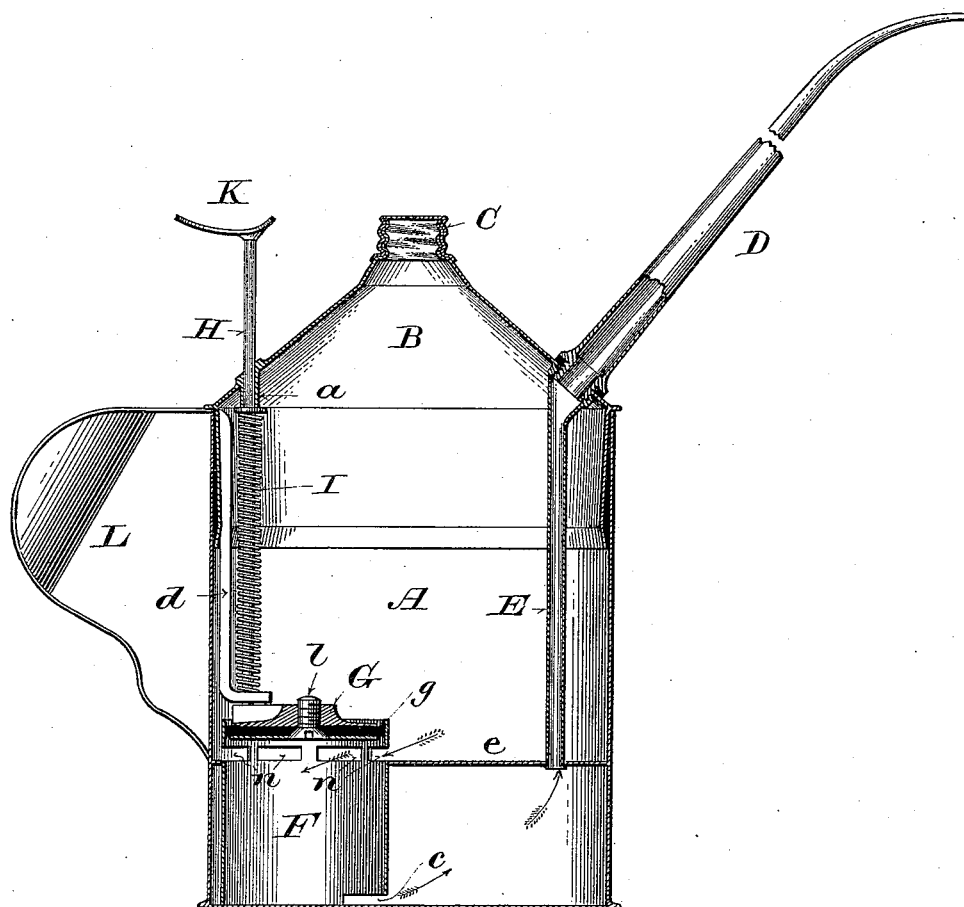
(No Model.)

G. A. GARTZKE.

OIL CAN.

No. 347,789.

Patented Aug. 24, 1886.



Witnesses:

Chas. R. Goss.
George M. Goll

Inventor.

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UNITED STATES PATENT OFFICE.

GUSTAV A. GARTZKE, OF MILWAUKEE, WISCONSIN.

OIL-CAN.

SPECIFICATION forming part of Letters Patent No. 347,789, dated August 24, 1886.

Application filed March 27, 1886. Serial No. 196,755. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV A. GARTZKE, a subject of the Emperor of Germany, having declared his intention to become a citizen of the United States, residing in Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Oil-Cans; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to that class of oil-cans in which a piston is employed to eject the contents of the can for lubricating and other purposes; and its objects are, first, to dispense with the valves commonly employed; and, second, to give easy access to the internal parts for repairs, &c.

It consists, essentially, of a well formed at the bottom of the can, with an opening at or near its top, a retractile piston arranged to be operated from without, and a conduit connecting the bottom of said well with the discharge-spout of the can.

In the accompanying drawing, A represents the can proper, formed of tin, copper, or any other suitable material, in the usual cylindrical or any convenient form.

B is the cover of the can, made separable therefrom in the usual way, and provided with a filling-cap, C, and perforated to permit of the insertion of the discharge-spout D and the piston-stem H.

At the bottom of the can is formed, preferably at the side adjacent to its handle L, the cylindrical well F, open at the top, and provided just below the top with openings *n n* and at the bottom with an opening, *e*. A false bottom or partition, *e*, separates horizontally the lower part of can A from that above the lower edges of the openings *n n*, so as to conduct the contents of the can into said well.

G is the piston, composed of two metallic plates secured together by a screw, *l*, and clamping between them a flexible packing-ring, *g*, which is snugly fitted to the inside of said well F, and may be renewed as occasion requires. Said piston G is provided with a

stem, H, which extends upwardly through the cover B, and is provided with the thumb-piece K, by means of which said piston is operated by the thumb of the hand grasping the handle L. The stem H is supported and bears at its upper end in a sleeve, *a*, formed upon or attached to cover B, and at its lower end in a guide, *d*, secured to and depending from said cover. Between the sleeve *a* and lower end of guide *d* is inserted about said stem H a spiral retracting-spring, I, which lifts and holds said piston G, when not depressed by the hand of the operator, above the openings *n n* at the top of well F.

E is a tube leading from the lower part of the can, where it communicates with the space below the partition *e*, to the upper part, where it is provided with an internally-threaded sleeve or collar, by means of which the discharge-spout D is coupled therewith, thereby securing the cover in place upon the can. The tube E may be extended below the partition *e* to connect with the well F through opening *e*, but the construction shown in the drawing possesses the advantage of utilizing as a part of the receptacle the space below partition *e* about well F, which would otherwise remain idle.

The details of construction of my improved can may be variously modified without departing from the spirit of my invention. The well F, for instance, may be located at the center of the can and the stem H bent at the top, so as to be accessible to the thumb of the hand grasping handle L, and the walls of well F may be terminated at the upper face of partition *e*, the portion above that point serving simply to guide the piston G.

The operation of the ejecting device may be briefly described as follows: The oil, with which the can is supplied in the usual way, passes through openings *n n* into and fills the well F, and thence through opening *e* into the space under the partition *e*, which it fills, rising in the tube E to the same level it assumes in the main part of the receptacle. By depressing the piston any desired amount of the contents of the can may be forced up through the tube E and out through the discharge-spout D. When the piston is released, the retracting-spring I lifts it to its normal position above the openings *n n* or the top of well F.

I claim—

1. The combination, with can A, of the well F, opening at or near the top into said can, tube E, connecting the bottom of said well
5 with the discharge-spout at or near the top of said can, and the retractile piston G, arranged to assume, when released by the operator, a position above the opening of said well into said can, substantially as and for the purposes set
10 forth.

2. The combination, with the can A, of the well F, opening at the top into said can, tube E, connected with the discharge-spout D, and communicating with the bottom of said well
15 F, piston G, retracting-spring I, arranged to lift and hold said piston above the opening from said well into said can, and spout D, substantially as and for the purposes set forth.

3. The combination, with the can A, having
20 the removable cover B, of the well F, opening at the top into said can, piston G, spring I, tube E, and spout D, arranged to be coupled

with the upper end of said spout E and secure said cover in position upon said can, substantially as and for the purposes set forth. 25

4. The combination, with the can A, having the discharge-spout D, of the well F, opening at the top into said can, partition e, inclosing a space at the bottom of said can about said well, tube E, communicating with said space
30 and connected with said discharge-spout D, opening c from the bottom of said well into said space, piston G, provided with stem H, and spring I, arranged to lift and hold said piston above the opening from said well into
35 said can above the partition e, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

GUSTAV A. GARTZKE.

Witnesses:

CHAS. L. GOSS,
GEORGE M. GOLL.