

(No Model.)

F. LIED.
OIL CAN TOP.

No. 596,244.

Patented Dec. 28, 1897.

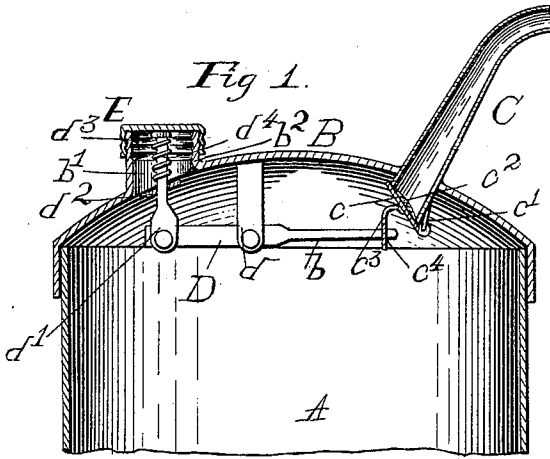
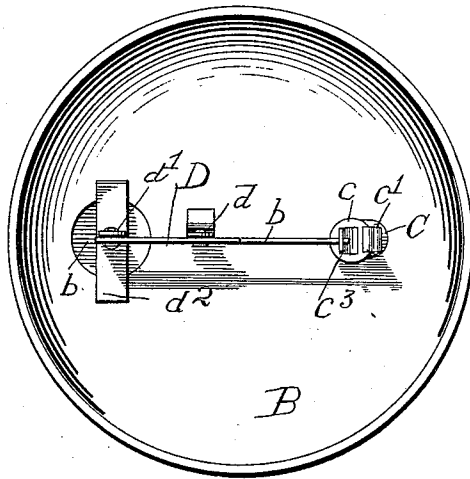


Fig 2.



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OIL-CAN TOP.

SPECIFICATION forming part of Letters Patent No. 596,244, dated December 28, 1897.

Application filed January 19, 1897. Serial No. 619,777. (No model.)

To all whom it may concern:

Be it known that I, FRED LIED, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Oil-Can Tops; and I 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 storage-receptacles for liquids, and has more particular relation to tops for oil-cans.

This invention consists of certain novel constructions, combinations, and arrangements of parts, which will be hereinafter more particularly set forth and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 represents a central vertical section through a can provided with my improved top, and Fig. 2 represents a bottom plan view of the same.

A in the drawings represents the can proper, B the top, and C the delivery-spout. The lower end of said delivery-spout is provided with a flap-valve *c*, pivotally secured thereto by means of a wire loop *c'*. The face of this valve is provided with a cork or other elastic packing *c²*, by means of which a perfectly-tight joint is formed between said valve and the lower end of the spout when said valve is closed. The rear of said valve *c* is provided with an angular arm *c³*, having an aperture *c⁴*, the latter adapted to receive the reduced end *b* of an operating-lever D. This lever is pivotally connected to a pendent arm *d*, secured to the under side of the cover B. The rear end of said lever D is pivotally connected to a vertically-reciprocating operating-rod *d'*, that passes through a horizontal guide-plate *d²*, secured over an inlet-aperture *b'* of the top. The upper end of the rod *d'* is headed, as at *d³*, and a coil-spring *d⁴* is applied about said rod between said head and the horizontal guide *d²*, so as to normally hold said rod up and the valve *c* open. A suitable screw-threaded nipple *b²* is applied about the edge of the opening *b'* to receive the screw-threaded closing-cap E. The head *d³* normally projects above the upper edge of the screw-threaded nipple *b²*; but when the cover E is applied to said nipple and screwed down

over the same the said head *d³* is depressed and the valve *c* firmly closed.

It will be observed from the foregoing description that when the cap E is closed the valve *c* is also closed, and thus the contents of the can are fully protected against being spilled by any accidental tipping of the can.

When it is desired to remove a portion of the contents of the can, the cap E is first loosened to admit air into the interior of the can. This loosening of said cap also permits the rod *d'* to rise under the action of the spring *d⁴* and thus opens the valve at the lower end of the delivery-spout.

This invention is of particular use in such cans as contain dangerous explosive liquids, such as naphtha, gasolene, or ether.

I contemplate constructing my said top B in both square and round form, so that it will be applicable to cans of corresponding form.

By the use of my invention the can is always perfectly sealed while the screw-cap E is screwed down into position and cannot be unsealed without first unscrewing said cap, thus admitting air to the can and at the same time opening the valve of the delivery-spout.

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

A top for a can, comprising a top proper, a delivery-spout for the same, filling-aperture, closing-cap over the same, a hinged valve at the lower end of the spout, an arm connected to said valve, a pivoted lever mounted upon the under side of said top and engaging said arm, a vertically-reciprocating rod pivotally connected to said lever, a head mounted on said rod, an aperture-guide surrounding said rod and secured to the top, and a coil-spring surrounding said rod and bearing against said guide and said head so as to normally force the rod upward and open the valve when the closing-cap is loosened, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

FRED LIED.

Witnesses:

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