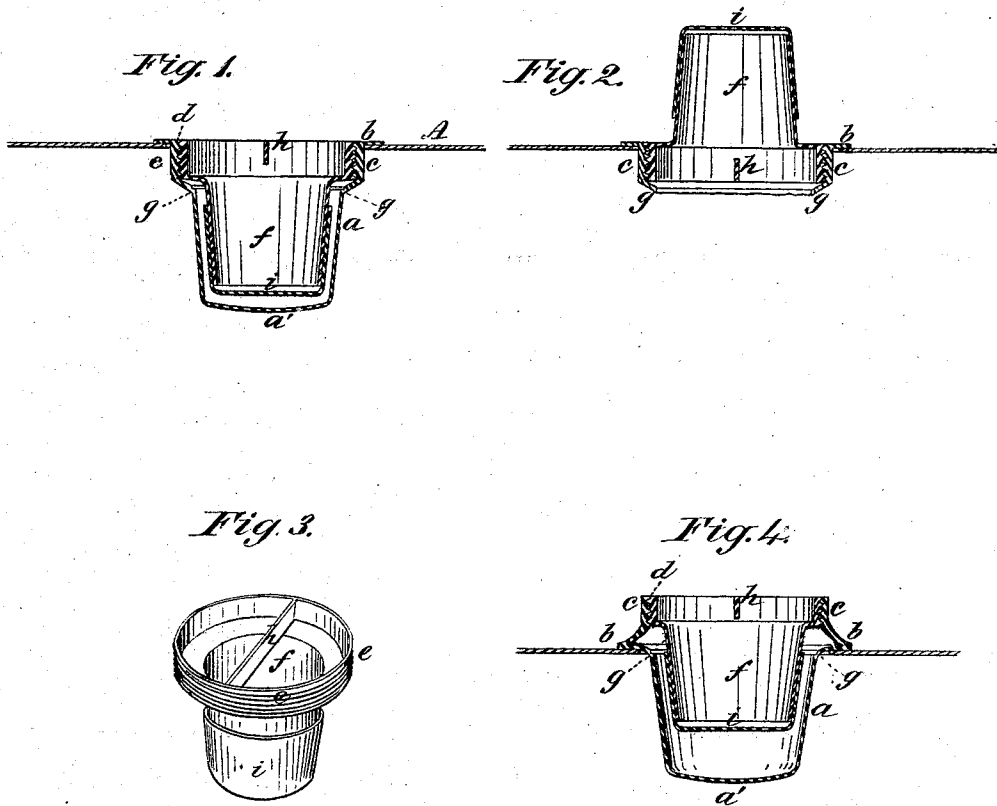


J. H. BROWN.
Oil-Cans.

No. 150,820.

Patented May 12, 1874.



Witnesses:
T. L. Smith
Wm. E. Chaffee

Inventor:
Jno. Hamilton Brown
by Johnson and Johnson
his Attorneys

UNITED STATES PATENT OFFICE.

JOHN HAMILTON BROWN, OF NEW YORK, N. Y., ASSIGNOR TO ROBERT
NAPIER ANDERSON, OF SAME PLACE.

IMPROVEMENT IN OIL-CANS.

Specification forming part of Letters Patent No. 150,820, dated May 12, 1874; application filed
April 21, 1874.

CASE A.

To all whom it may concern:

Be it known that I, JOHN HAMILTON BROWN, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Oil-Can Caps and Nozzles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The invention herein relates to combined caps and spouts for oil and other cans; and the particular features of invention consists of a screw-cap soldered to the can-top, projecting within the can and closed at its inner end, in combination with a separate nozzle screwed down within the cap, whereby a closed cap fixed to the can-top is made to receive and hold a separate reversible screw-nozzle, for use as such when desired; also in the combination of a screw-nozzle, open at both ends and screwed into and flush with the collar of the cap, with a thin diameter-handle for said nozzle, whereby the latter is screwed into and from the cap, and when the nozzle is used as such the said handle forms no obstruction to the outlet-passage for the oil or liquid; also of a sealing-cap for oil-cans, closed at its inner end and provided with a screw-collar, an affixing-rim, a thin separating-point for the inner closed end, and a reversible nozzle, as a new article of manufacture and trade.

The design of my invention is to obtain a fixed and closed cap for the transportation of the can, and which will receive the pouring-nozzle, and both be nearly or quite flush with the top surface of the can; while the cap being sealed it cannot be removed in transit, and hence the contents preserved in full measure, as the can-top is as much sealed as if it were not pierced.

In the accompanying drawings, Figure 1 represents a vertical section of a closed cap and separate nozzle for cans in the positions

they occupy when the can is ready for market. Fig. 2 represents a similar section with the closed cap cut off and the separate nozzle in place for consumers' use; and Fig. 3, an inverted view in perspective of the separate reversible nozzle.

The top of the can A is pierced with an opening to receive a suitable-sized cap, *a*, which is closed at its lower end, *a'*, and projects within the can, and is soldered to the top by a rim, *b*, after the can has been filled. The cap thus secured seals the contents of the can. The upper end of the sealing-cap is open, and has a thickened collar, *c*, which may or may not project above the top, and which has an interior screw-thread, *d*, to receive the screw-thread *e* of a separate reversible nozzle, *f*, which, when the cap *a* is sealed in place, is inserted and screwed down into the cap flush with the top of the collar *c*, so that the fixed cap and the separate nozzle project within the flat top of the can and are out of the way when the article is ready for the market, securely sealed by the cap. When, however, it is desired to pour out the contents, the nozzle *f* is unscrewed and withdrawn from the cap *a*, and the latter, at a thin shouldered point, *g*, where it joins the collar *c*, is cut off and falls into the can, leaving the screw-collar intact for the reception of the nozzle, which is reversed from its former position, and through it the contents can be poured out of the can. The point *g* at which the cap *a* is severed to open the can is spun a little thin, and forms a slight shoulder to facilitate the separation, which may be easily made by a sharp-pointed instrument, as the cap is spun of sheet-zinc, which may be easily cut and punched off. The nozzle has a thin plate, *h*, placed edge-wise across its largest end, to serve as a handle by which to screw it into and unscrew it from the collar of the cap, and to offer no obstruction to the nozzle as such. The nozzle, being separate and screwed into the closed cap, affords the convenience for carrying its own stopper or cap *i*, to prevent dust entering the can. This cap *i* is fitted onto the noz-

zle before it is screwed in place, so that the separate nozzle carries its own cover within the closed seal can-cap. The sealing-cap *a* and its screw-collar *c*, together with the rim *b*, by which it is soldered to the top, are made in one piece, and the point at which the closed hanging end *a a'* is to be separated from the fixed shoulder *g* is below the screw-threaded collar. In Fig. 4 this collar stands up from the can-top about one-quarter of an inch, but it may project inward, as in Fig. 1, to leave the flat top free from any projection, which is of great advantage in handling, storing, and transporting the cans.

I claim—

1. A closed fixed screw-cap, *a a'*, in combination with a separate reversible screw-nozzle, *f*, fitting into and screwed down within said closed cap, substantially as described, whereby a closed sealing-cap is made to receive a reversible pouring-nozzle.

2. The combination of a fixed closed sealing-cap, *a a'*, capable of being separated and opened, as described, with a reversible screw-nozzle, *f*, carried as a separate fixture by the closed cap.

3. A combined closed sealing-cap and reversible separate screw-nozzle, secured in place flush with a flat-top can.

4. The combination of a reversible screw-nozzle, *f*, open at both ends, with a thin diameter-handle, *h*, substantially as described.

5. The combination of a fixed closed sealing-cap, *a a'*, and a reversible screw-nozzle, *f*, inserted therein for transportation with the can, with a nozzle-cover, *i*, also carried by the sealing-cap, substantially as and for the purpose described.

6. A sealing-cap for oil-cans, closed at its inner end *a'*, and having a screw-collar, *c*, an affixing-rim, *b*, a severing-point, *g*, for the inner closed end, and a reversible nozzle, *f*, as a new article of manufacture and trade, substantially as described.

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

JOHN HAMILTON BROWN.

Witnesses:

FRANK CHAPIN,

ROBT. N. ANDERSON.