(No Model.)

W. VOGEL.

NOZZLE FOR SHEET METAL CANS.

No. 383,840. Patented May 29, 1888.

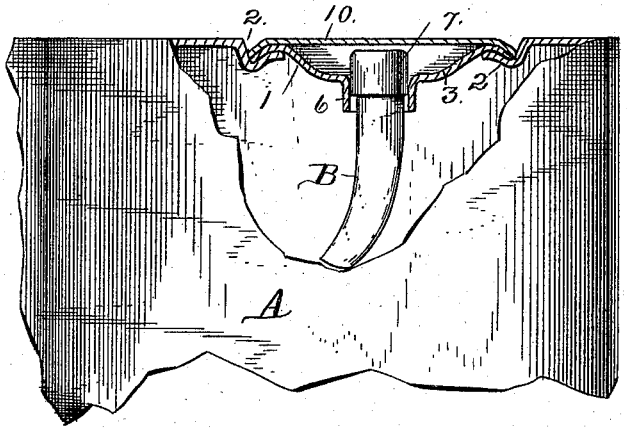


Fig. 1.

Fig. 2.

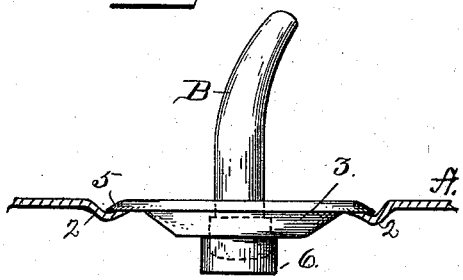


Fig. 3.

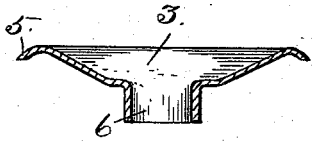


Fig. 4.

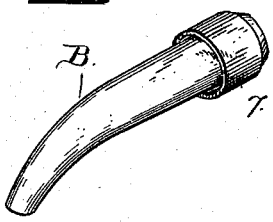
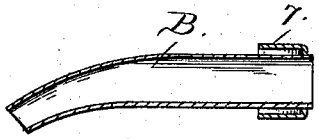


Fig. 5.



Witnesses.
J. Thomson Cross
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UNITED STATES PATENT OFFICE.

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NOZZLE FOR SHEET-METAL CANS.

SPECIFICATION forming part of Letters Patent No. 383,840, dated May 29, 1888.

Application filed February 16, 1888. Serial No. 264,254. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM VOGEL, a citizen of the United States of America, residing at Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Nozzles for Sheet-Metal Cans, of which the following is a specification.

My invention has relation to improvement in nozzles for oil-cans and similar vessels; and the object is, first, to provide a detachable nozzle which can be carried with the can in transportation and be conveniently and readily arranged and adjusted in operative position when the contents of the can are to be discharged.

My invention consists in the novel construction of parts and their combination, as will be hereinafter fully described, and specially as the same is pointed out and distinctly claimed.

Nozzles for the same purpose as my improved one have heretofore been made and used, wherein the nozzle is reversible and detachable, generally being held in the socket or bung-hole by a cork embracing the lower end of the nozzle and fitting the bung-hole, or they have an annular base-flange clamped by divers means to hold the nozzle in position, and one has been made with a supplemental thimble and a spout inserted therein.

My improvements consist in constructing the base of the nozzle with a sleeve arranged in the direction of the discharge end and secured to the base of the nozzle at its lower edge and extending a short distance along the nozzle, with its upper edge free from contact with the surface of the nozzle to give the sleeve a slight resiliency or flexibility, so that it shall fit in the bung-hole and be tight.

I have fully illustrated my invention in the accompanying drawings, wherein—

Figure 1 is a view of a section of a can with the nozzle as in packed or shipping condition, the socket being broken away to show the parts better. Fig. 2 is an enlarged view of the nozzle in reversed position. Fig. 3 is a central section of the bung. Fig. 4 is a perspective of the nozzle, and Fig. 5 is a central section of the same.

Reference being had to the drawings, A designates the shell of the can, which has formed in a convenient part thereof, usually a corner of the cover, an aperture, 1, about the edge of which is formed a depression, 2, to serve as a seat for the bung-plate 3. The bung-plate 3 consists of a circular sheet-metal plate having its rim 5 struck down to set in the depression 2, where it is secured by solder. The center of the bung-plate is depressed, as shown, and is formed with a thimble, 6, depending in the can, as shown in the drawings.

B designates the nozzle, consisting of a tapering metal tube formed in the usual manner. At the lower end of this tube is attached a sleeve, 7, larger in diameter than the base of the tube, so as to set out free from the tube, as shown. The lower edge of the sleeve is struck inward and firmly soldered to the edge of the tube, leaving the body and upper edge of the sleeve free from contact with the tube. This sleeve is formed by drawing it under a pressure-plate, and by having its lower edge turned inward, as stated, it is very slightly flared, so that it makes a snug, clean, and tight fit in the bung. I thus provide a nozzle convenient for packing with the can and readily adjusted to the bung-hole when the contents of the can are to be discharged.

The nozzle for uses in the trade for transportation is reversed and the tube hangs down in the can, as shown; then a thin tin cap, 10, is soldered over the top of the bung-plate to keep the nozzle from dropping out and the contents from wasting. When it is desired to run off the contents of the can, the thin cap is cut out, the nozzle lifted out and fitted in the bung-hole, when it is ready for the purposes intended.

What I claim is—

1. As an improved article of manufacture, the nozzle herein described, consisting of a tube formed with a resilient sleeve at its lower end, of larger diameter than the base of the tube, and having its lower edge struck inward and secured to the edge of the tube and the upper end free from contact with the tube, substantially as and for the purpose specified.

2. The combination, with a sheet-metal can provided with a depressed bung-plate, 3, hav-

ing a thimble, 6, of a nozzle, B, consisting of a sheet-metal tube provided with a sleeve, 7, of larger diameter than the tube, and having its lower edge turned in and secured to the lower end of the tube and its upper end free from the tube, substantially as and for the purpose specified.

In witness whereof I have hereunto set my hand in the presence of two attesting witnesses.

WM. VOGEL.

Attest:
WM. HELMICK,
J. H. STUART.