J. A. Bostwick,

Top for Oil Cans.

No. 112,771. Patented Mar. 21. 1871.

FIG: 1.

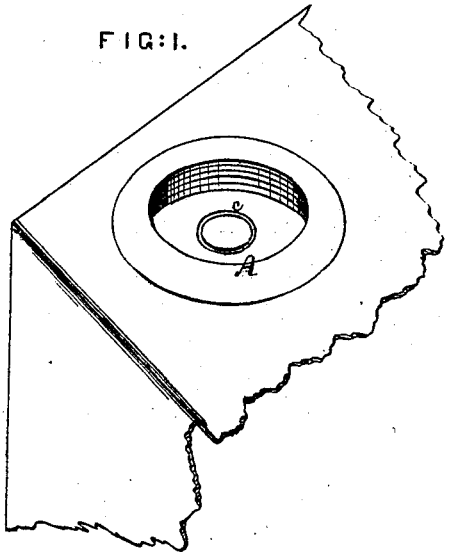



FIG: 2.

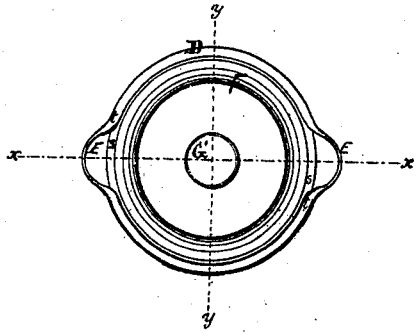



FIG: 3.

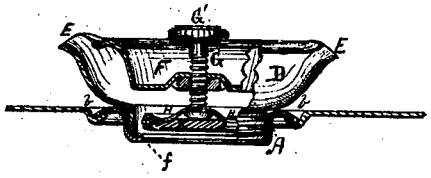
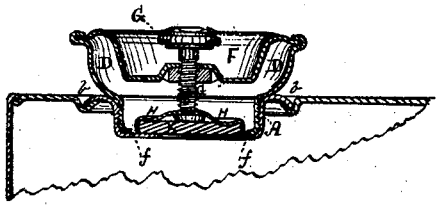



FIG: 4.




WITNESSES

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# UNITED STATES PATENT OFFICE

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## IMPROVEMENT IN TAPS AND NOZZLES FOR OIL-CANS.

Specification forming part of Letters Patent No. **112,771**, dated March 21, 1871.

I, JABEZ A. BOSTWICK, of the city, county, and State of New York, have invented an Improved Form of Tap and Nozzle for Oil-Cans and other Vessels, of which the following is a specification:

*Nature and Objects of the Invention.*

My invention relates, first, to the construction of a tap for oil-cans and other vessels which shall be detachable from the can, and be simply and cheaply constructed of two pieces of metal stamped up and united at the rim in a peculiar manner, to inclose a valve operated by a screw, as hereinafter described; and, second, to the use, in combination with said improved tap, of a metallic threaded seat or nozzle, to be soldered over the mouth of the can or vessel, and which is closed when applied thereto so as to seal the same hermetically, but which is scored, so that an opening may be readily formed through the same when the contents of the vessel are to be discharged.

*Description of the Accompanying Drawing.*

Figure 1 is a top view, in perspective, of my improved threaded nozzle secured over the mouth of an oil-can; Fig. 2, a top view of my improved tap; Fig. 3, a vertical section thereof in the line *x x* of Fig. 2, illustrating the tap and nozzle combined, with the valve opened; and Fig. 4, a similar section in line *y y* of Fig. 2, illustrating the valve closed.

*General Description.*

A is a countersunk circular nozzle, stamped up out of sheet metal and threaded interiorly, as illustrated in Fig. 1. Its rim is slightly curved downward to fit into a groove, *b*, Figs. 3 and 4, formed about the mouth of the can, so as to be readily and firmly secured therein with solder. This nozzle A is designed to be thus secured over the mouth of the can with a perfectly tight and secure joint. The bottom of the nozzle is not cut out when first manufactured, but is deeply scored with an annular groove, *c*, in the center thereof, so that the center-piece within said groove may be readily detached and removed with a pen-knife blade, or by a blow thereon with hammer and nail. Hence, when the can is filled with oil, it is hermetically sealed by simply soldering this improved nozzle over its mouth or opening, as illustrated in Fig. 1 of the drawing.

D is a circular cup, forming the outer shell of the tap. It is struck up in one piece out of sheet metal, and is formed with an open bottom, encircled by an annular flange, which is threaded exteriorly and made to fit and screw into the countersunk recess of the nozzle A, and with curved sides, which are pinched out at opposite points in the rim of the cup to form spouts E E. (See Figs. 2 and 3.) The rim of the bottom flange of the cup is bent inwardly to form an offset, *f*, as shown in Figs. 3 and 4.

F is a circular countersunk lid or cover for the cup, which is likewise stamped up from a single piece of sheet metal. The rim *s* of the lid projects with a slight curve, and fits closely within the rim *t* of the cup, which is then bent over and pinched down thereon, as illustrated in Figs. 2 and 4 of the drawing, so as to hold and secure it firmly. The top of the open-bottomed cup D is thus closed by the countersunk lid F, secured thereon, its spouts E E alone being left uncovered.

G is a screw passing centrally through the lid, and through a nut secured upon its under side.

H is a circular cup-shaped disk, into which a leather washer or seat, K, is fitted to form a valve. This valve is secured centrally to the lower end of the screw G, so as to turn therewith. It is of such diameter as to cover fully the opening in the nozzle A, into which the tap is to be screwed. The screw G is of such length as that, when the valve H K is turned down to close the opening in the nozzle, the head G′ of the screw will not project above the rim of the tap. (See Fig. 4.) The screw works loosely through its nut, so as to allow a slight horizontal play to the valve, and permit it to adjust itself closely over the aperture in the nozzle.

I do not claim the arrangement or operation of the valve H K to open and close the nozzle A.

My invention relates to the form and construction of the tap, and to the combination thereof with the nozzle A, as described, whereby I secure the following important advantages: My tap, from its simplicity of construction, may be manufactured at an extremely low cost. It is detachable from the can, and may therefore be readily removed to permit a refilling of the

can, or for use upon a second can fitted with my improved nozzle; hence, in shipping a case of oil containing several cans it is only necessary to furnish one nozzle therewith, as the one will suffice to empty all the cans. By its use, in combination with the scored nozzle A, the can may remain hermetically sealed until it reaches the consumer, who, by removing the tap, is enabled to readily open the nozzle, and, replacing it, to draw out the contents of the can with neatness and dispatch, as required. The mode herein described of combining the tap and nozzle by a screw-connection and the arrangement of the valve as described makes the device tight beyond question, so that there it no liability of leakage. By means of the double spout of the tap the contents of the can may be poured out from one side or the other, as found desirable, the one spout forming a vent while the liquid is poured from the other.

*Claims.*

I claim as my invention—

1. As a new article of manufacture, the within-described metallic tap for oil-cans and other vessels, constructed of the open-bottomed cup D, threaded to screw into the nozzle of the can, the recessed or countersunk lid F, secured thereto, and the valve H K, operated by a screw, G, working centrally through the lid, said parts being formed and combined substantially in the manner herein set forth.

2. In combination with the subject-matter of the first claim, the within-described metallic, countersunk, scored, and threaded nozzle A, as herein set forth.

Witness my hand to this specification.

J. A. BOSTWICK.

Witnesses:

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