

G. BROWNE.
Can-Nozzle.

No. 224,577.

Patented Feb. 17, 1880.

Fig. 1.

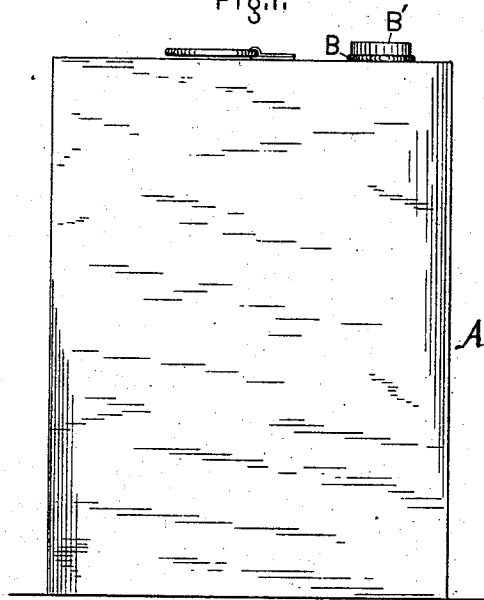


Fig. 2.

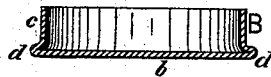


Fig. 3.



Fig. 4.

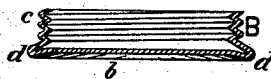
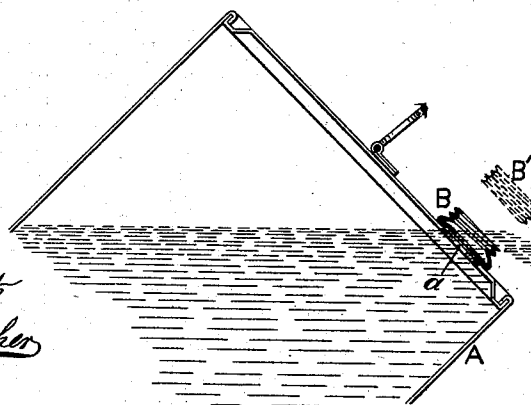


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE BROWNE, OF PHILADELPHIA, PENNSYLVANIA.

CAN-NOZZLE.

SPECIFICATION forming part of Letters Patent No. 224,577, dated February 17, 1880.

Application filed December 3, 1879.

To all whom it may concern:

Be it known that I, GEORGE BROWNE, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Can - Nozzles, which improvement is fully set forth in the following specification and accompanying drawings.

The said invention consists in providing each nozzle with a flange, whereby it is soldered to a can, the side wall, base, and said flange being struck up or otherwise formed from one piece of metal, and the said nozzle being combined and arranged with said can so as to cover the outlet thereof.

In the accompanying drawings, Figure 1 represents a side elevation of a can with my nozzle and cap attached thereto. In this figure the cap is shown as unthreaded, and the side-wall of the nozzle is concealed from view. Fig. 2 represents a vertical section of a detached nozzle unthreaded constructed in accordance with my invention. Fig. 3 represents a side elevation, in detail, of a screw-threaded nozzle constructed in accordance with my invention. Fig. 4 represents a vertical section through the device shown in Fig. 3; and Fig. 5 represents a can with a nozzle attached and the cap slightly removed, the can being inclined to pour out its contents. In this view the nozzle and the cap are shown as screw-threaded.

In said drawings, A designates a can having an opening, *a*, in its top; and B designates a nozzle, consisting of base *b*, side wall, *c*, and flange *d*, all formed from one piece of metal by striking up and crimping, or in any other con-

venient way. The annular flange *d* is soldered to the can A, so as to surround outlet-hole *a*, which hole is covered by base *b*. A cap, B', fits over the side wall of said nozzle, and excludes dust therefrom. It also protects the outer end thereof. The connection between the cap and nozzle may be by means of screw-threads, or the contiguous surfaces may be smooth, as preferred. The flange *d* affords as secure a means of attachment as would be found in a nozzle having a base and spout of diameter equal to the combined diameter of base *b* and flange *d*, while my nozzle requires less material than would be required by a nozzle thus constructed, and is also more convenient for use. The nozzle, spout, or side wall *c* need be of no greater diameter than opening *a*.

When the contents are to be poured out of the can, the cover B' is removed and the base *b* is cut away in the usual manner. After a portion of the contents has been poured out the cap B' may be replaced to prevent accidental loss of any part of the remainder, also to exclude dust, as stated.

Having thus described my invention, what I claim as new is—

In combination with a can having a discharge-opening, a nozzle consisting of a bottom, *b*, a flange, *d*, and a cylindrical side wall, *c*, all in one piece, said flange being soldered to said can, as set forth.

GEORGE BROWNE.

Witnesses:

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