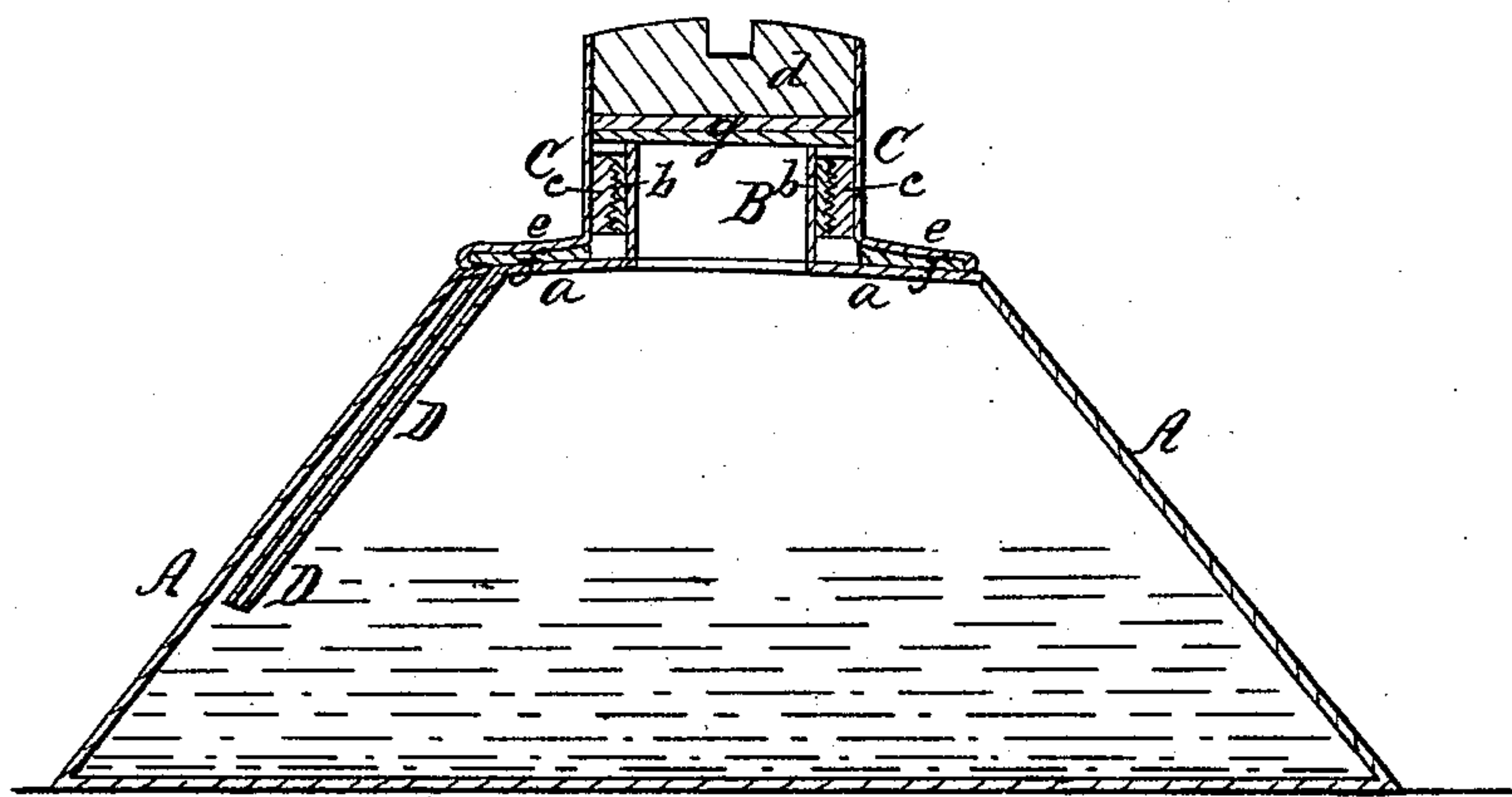


A. N. Lapierre.

Screw Cap for Can.

N^o 96,447.

Patented Nov. 2, 1869.



Witnesses
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Geo. H. Brooks

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ALEXANDER N. LAPIERRE, OF NEW YORK, N. Y.

Letters Patent No. 96,447, dated November 2, 1869.

IMPROVEMENT IN SCREW-CAPS FOR CANS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, ALEXANDER N. LAPIERRE, of the city of New York, in the county and State of New York, have invented a new and improved Nozzle and Screw-Cap for Cans; 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 make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The drawing represents a vertical section of my improved nozzle and screw-cap.

This invention relates to a new method of constructing the nozzles and caps of cans for retaining oil and other liquid matter, and has for its object cheapness of arrangement and convenience of operation.

The invention consists—

First, in providing a vent for the discharge and entry of atmospheric air.

Secondly, in the arrangement of a washer, which is secured to the cap, and closes the vent and nozzle; and,

Finally, in constructing the cap of sheet-metal sides and of a solid-metal head, so as to obtain cheapness and durability, and in making the nozzle of the same piece of which the top of the can is made.

A, in the drawing, represents a sheet-metal can, of suitable construction.

a is its top plate.

B is the nozzle.

The nozzle is a circular tube projecting from the top plate *a*, and made of one piece with the same, by being struck up by a suitable die.

A male screw-thread is formed on the outside of the tube B, either by being cut directly in the tube, or by being formed on a ring, *b*, that is soldered or otherwise secured around the nozzle.

C is the screw-cap. It is a sheet-metal tube, provided, on its inner side, with a female screw-thread, so that it can be fitted upon the nozzle B. This inner screw-thread is either cut directly into the body of the

tube C, or is formed on a ring, *c*, that is soldered or otherwise secured into the same.

The top of the tube C is closed by a solid metallic plate, *d*, which is soldered into the tube, or otherwise securely fastened to the same. It has a notch or a projecting polygonal nipple, so that it can be turned with the cap, by means of a screw-driver or wrench.

The cap C has, at its lower end, an outward-projecting flange, *e*, which fits upon and covers part of or the entire top plate *a* of the can.

A washer, *f*, is attached to the under side of this flange, by having the edge of the latter bent around the outer edge of the washer, as shown. The washer is thus secured to the cap.

D is a narrow tube projecting from the plate *a* into the can, and open at both ends. It serves to let air out of the can when the same is being filled, and to allow the entrance of air while the can is being emptied. The filling and emptying-processes are thus materially facilitated.

When the can is closed, the vent is covered and closed by the washer. Another washer, *g*, may be interposed between the plate *d* and the top edge of the nozzle, as shown.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The vent-pipe D, provided in a can, A, for the entrance and discharge of air, and to be closed by the flange *e* of the screw-cap, substantially as herein shown and described.

2. The screw-cap C, when made of a sheet-metal tube, containing the flange *e* and washer *f*, and of the solid-metal head *d*, substantially as and for the purpose herein shown and described.

ALEX. N. LAPIERRE.

Witnesses:

FRANK BLOCKLEY,
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