

F. W. Devoe,

Can Nozzle.

No. 87,915.

Patented Mar. 16. 1869.

Fig. 1.

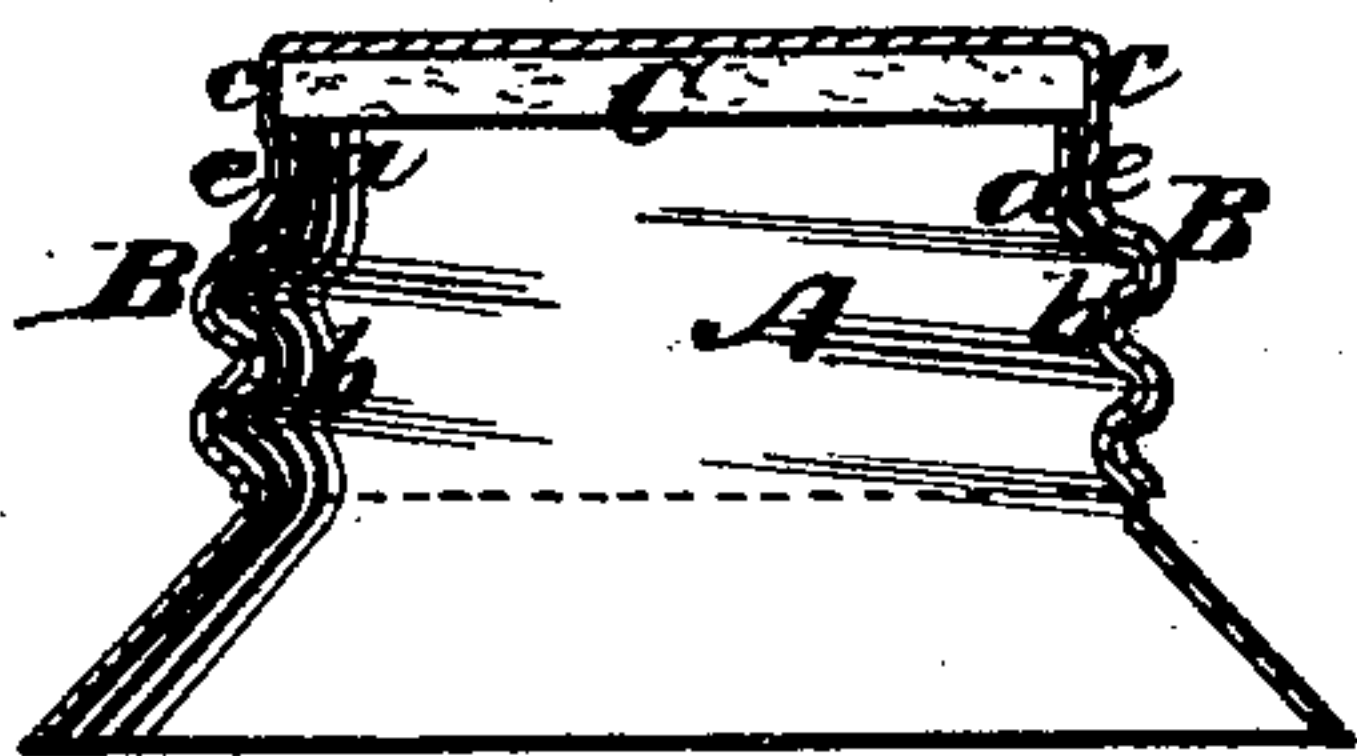


Fig. 2.

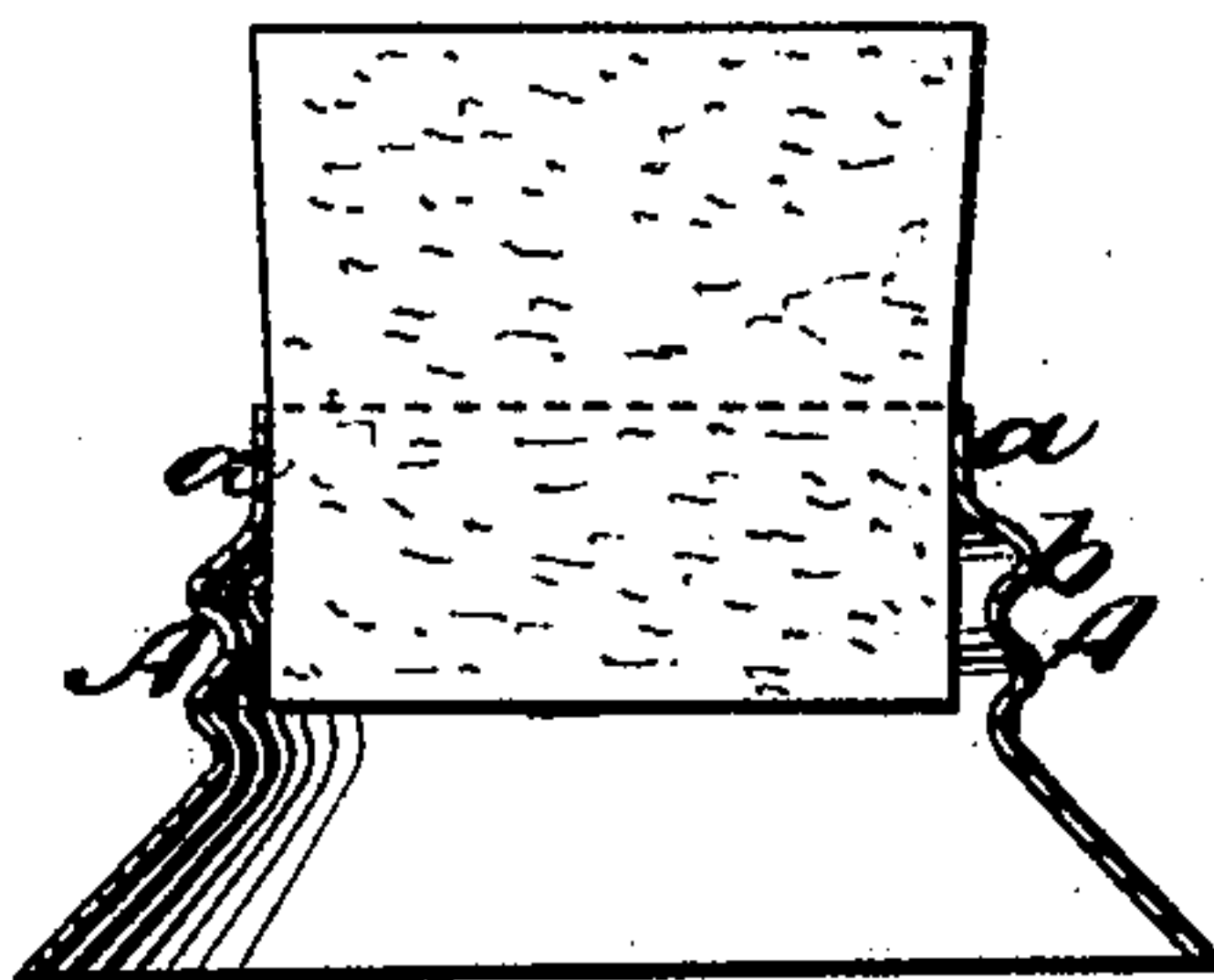


Fig. 3.

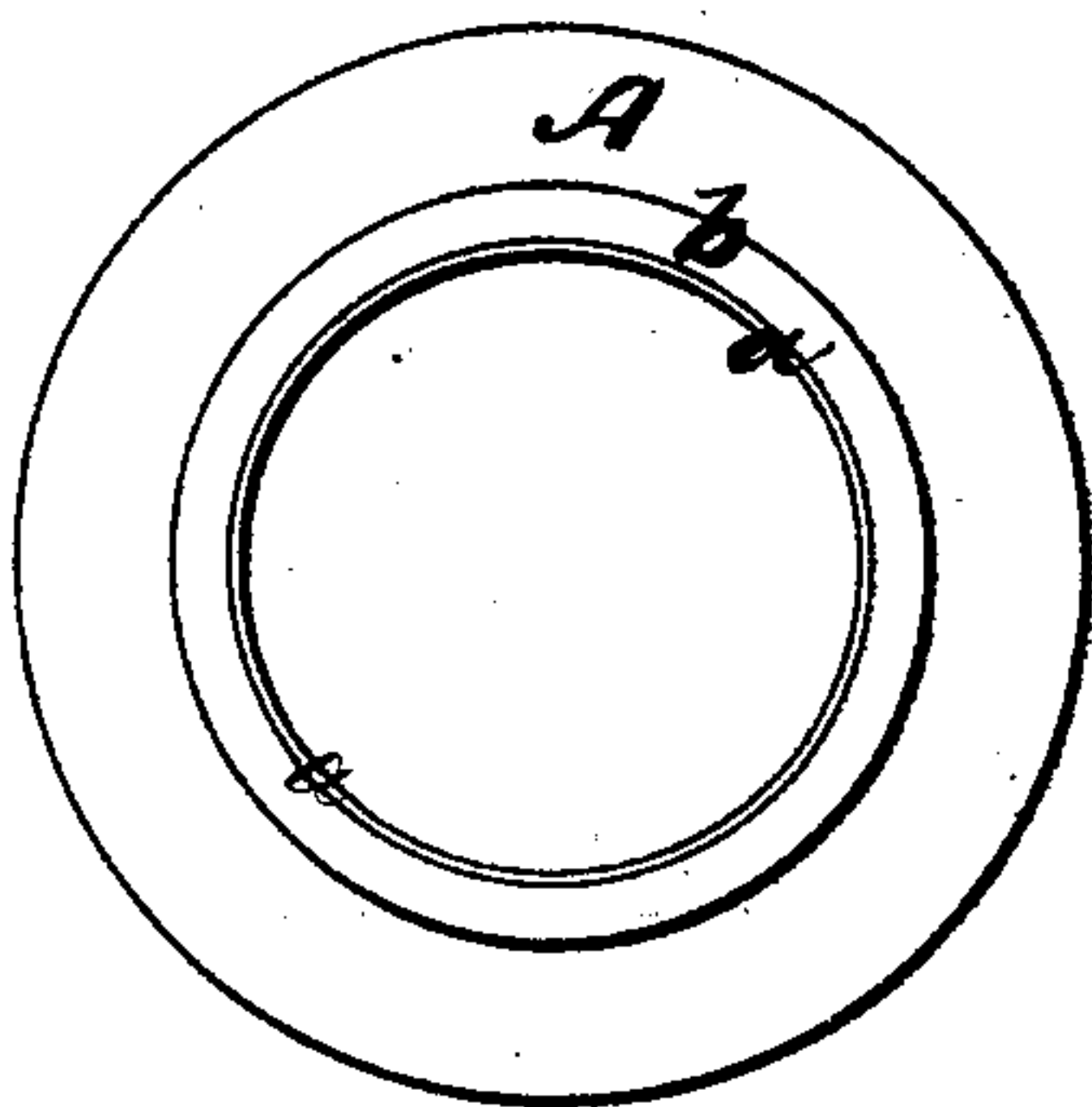
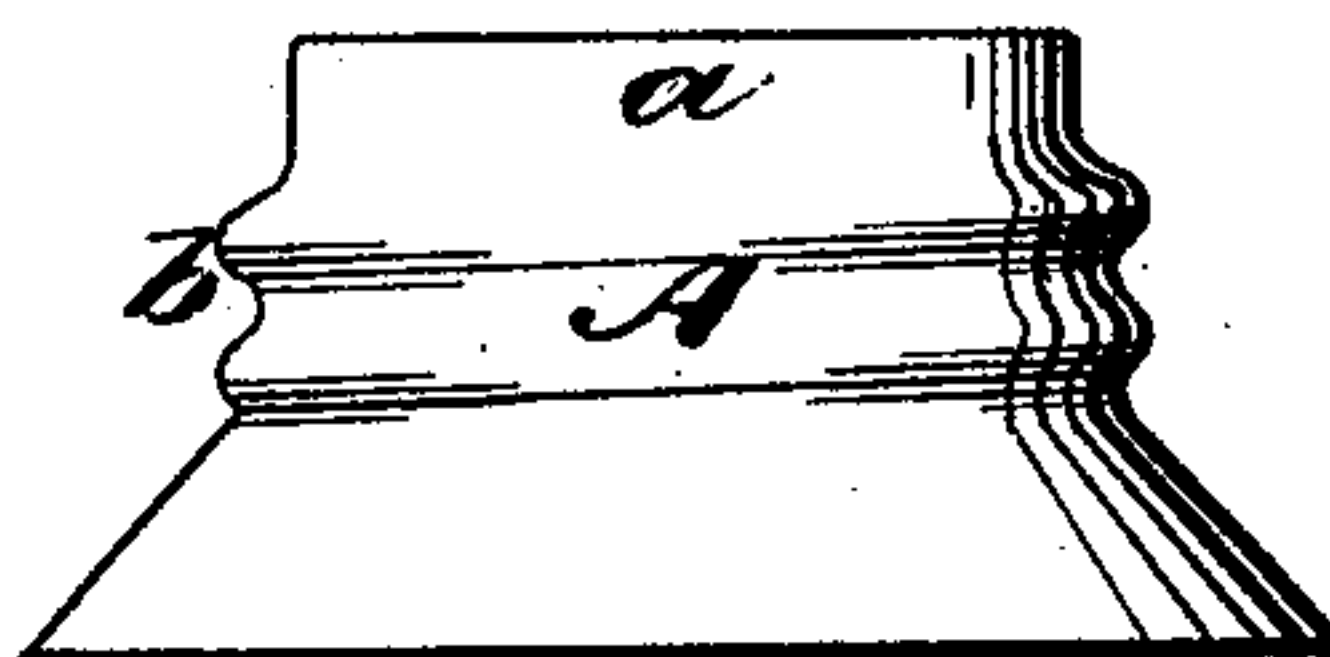


Fig. 4.



Witnesses.

A. S. Lellere
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Inventor.

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per Brown & Coombs
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UNITED STATES PATENT OFFICE.

FREDERICK W. DEVOE, OF NEW YORK, N. Y.

IMPROVEMENT IN SCREW-NOZZLES FOR CANS.

Specification forming part of Letters Patent No. 87,915, dated March 16, 1869.

To all whom it may concern:

Be it known that I, FREDERICK W. DEVOE, of the city, county, and State of New York, have invented a new and useful Improvement in Screw-Nozzles for Cans and other Vessels; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical section of a screw-nozzle with the cap applied. Fig. 2 is a vertical section of the nozzle with the cap removed and a cork inserted. Fig. 3 is a plan of the nozzle without the cap. Fig. 4 is an elevation of the same.

Similar letters of reference indicate corresponding parts in the several figures.

The object of my invention is to produce a cheap, simple, and perfectly tight can-nozzle of sheet metal; and it consists in spinning or rolling the neck of the can, so as to form a screw for a portion of its length and a cylindrical contracted portion at its upper edge, and, in combination with such neck, a cap having a correspondingly spun or rolled screw portion, and a contraction to fit snugly around the cylindrical orifice at the top of the neck, whereby to guide its edge uniformly to the same bearing on the yielding packing within the head of the cap.

To enable others skilled in the art to make and use my invention, I will proceed to describe it with reference to the drawings.

A is the nozzle, B is the cap, and C is the gasket fitted to the head of the cap.

The nozzle A is constructed like other screw-

nozzles which are made of sheet metal, except that it is made with the upward cylindrical extension *a* above the screw-thread *b*, such extension presenting, as shown in Fig. 3, a circular edge concentric with the axis of the nozzle.

The cap B is constructed like other screw-nozzles which are made of sheet metal, except that its head is made with the upward extension *c*, corresponding with the upward extension *a* of the nozzle, for the reception of the latter extension when the cap is screwed on, the interior of *c* being a little larger than the exterior of *a*, in order that the edge of the latter may not come too near the edge of the gasket C.

The gasket may be made of cork or other material, either in the form of a disk covering the whole of the interior of the head, or a mere ring surrounding the interior. It is sprung into the head within the slight internal projection formed by the contraction *e* of the cap at the junction of the screw-thread with the extension *c*.

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

A sheet-metal can-nozzle and cap spun or rolled to form a screw, *b*, with a contracted cylindrical part, *a*, on the nozzle, and a corresponding screw and annular contraction, *e*, in the cap, substantially as shown and described, as a new article of manufacture.

FREDERICK W. DEVOE.

Witnesses:

J. SEAVER PAGE,
GEO. W. BETTS.