

W. S. JOHNSON.
CANS.

No. 174,821.

Patented March 14, 1876.

Fig. 1.

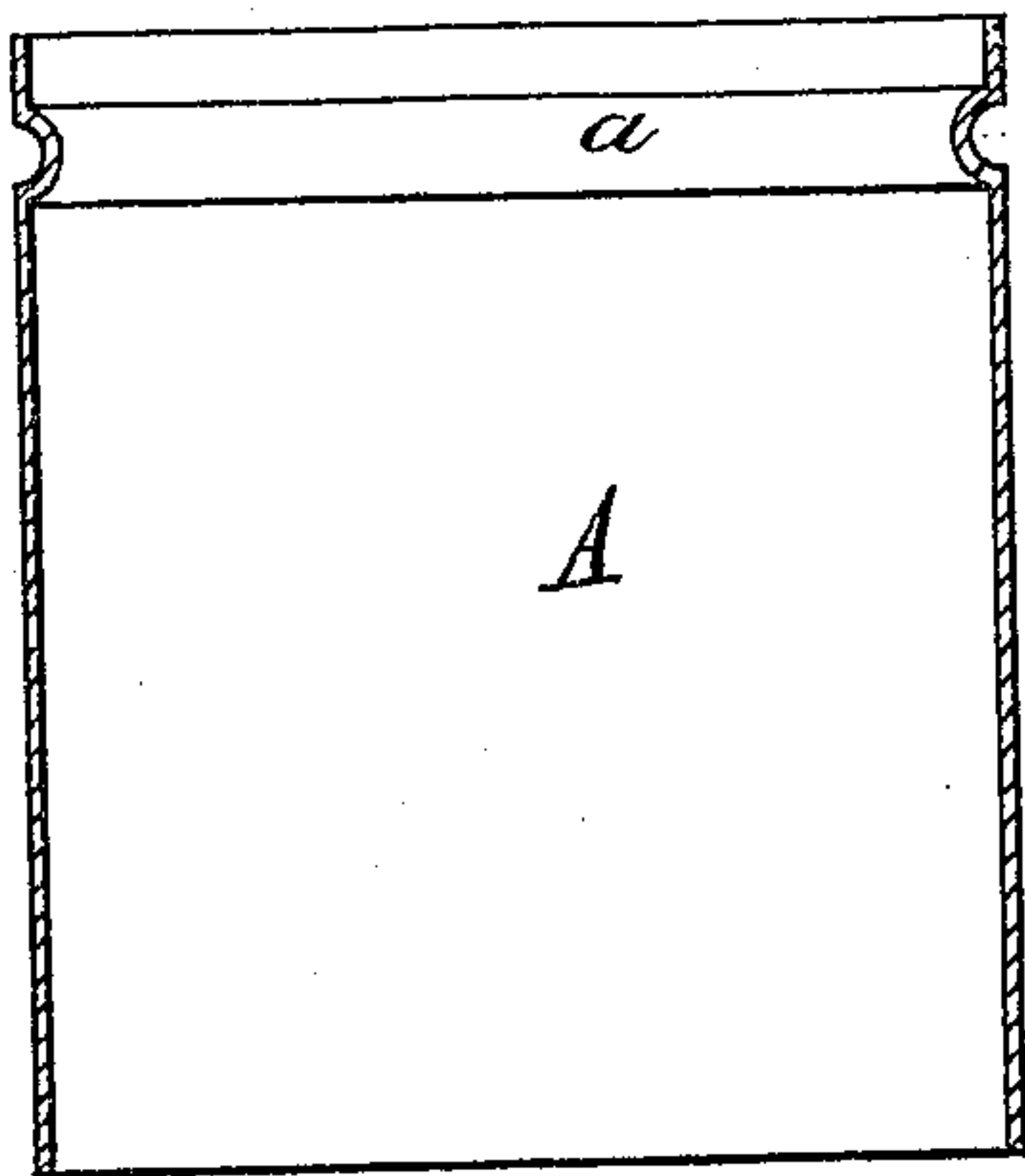


Fig. 2.

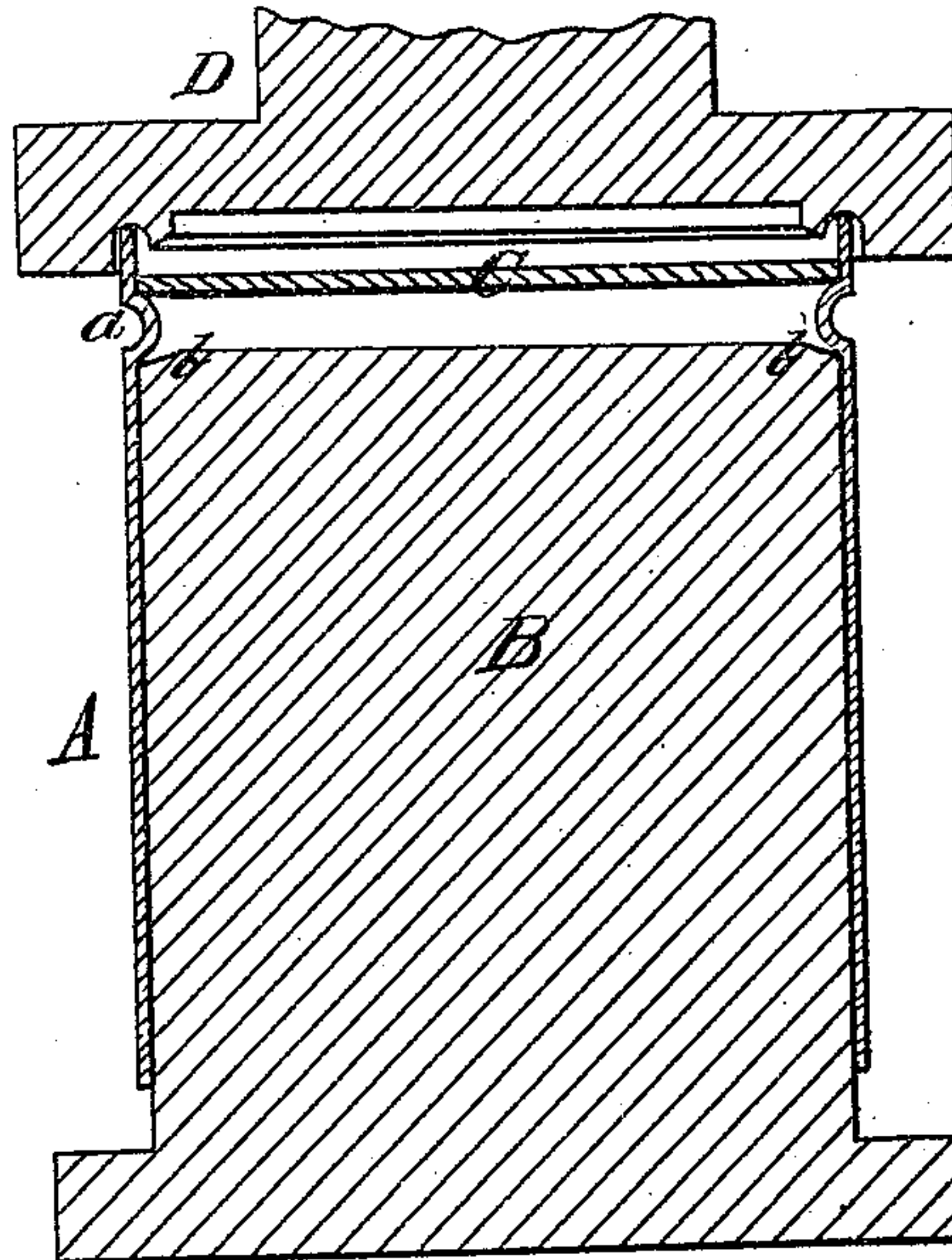
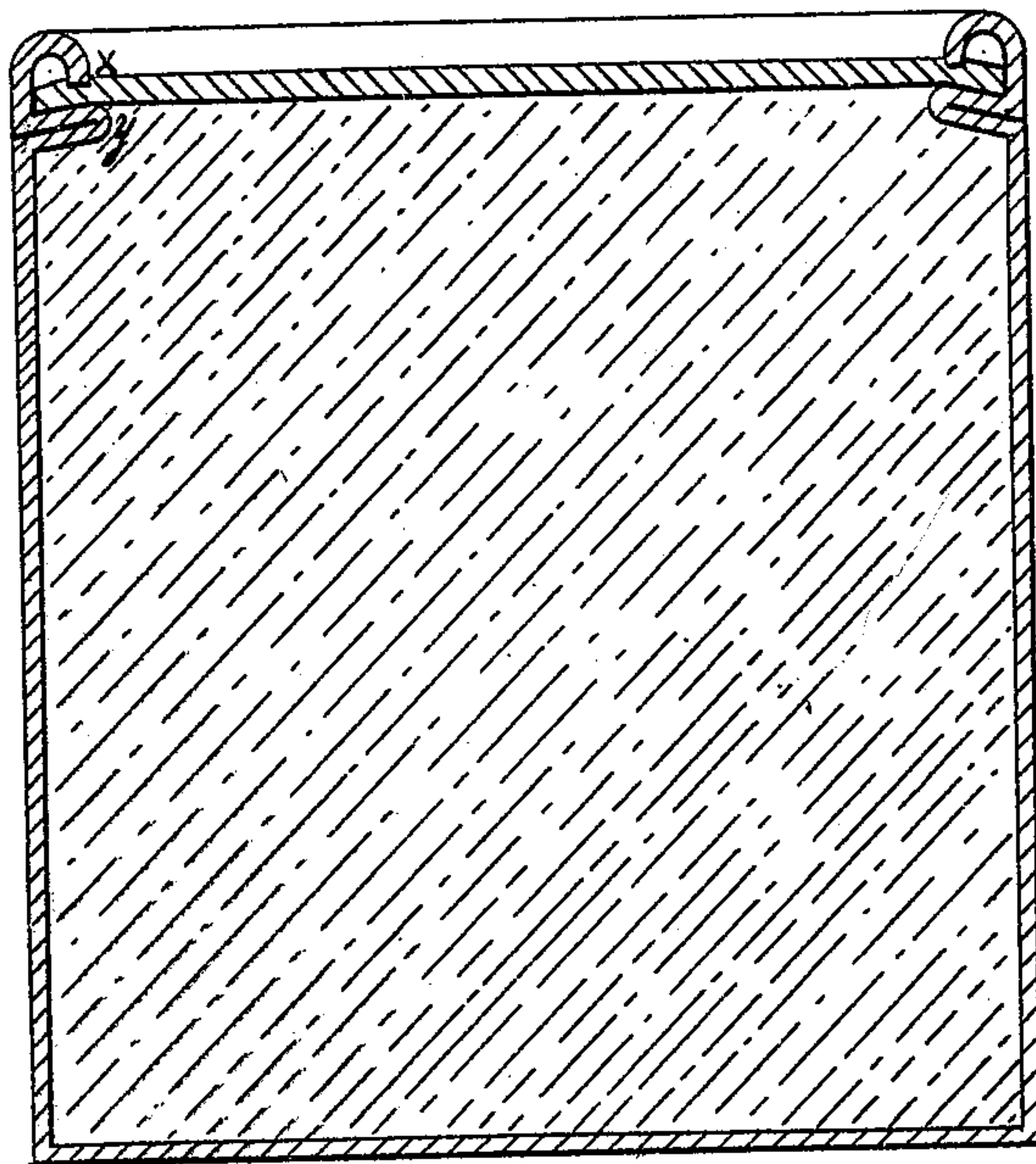


Fig. 3.



WITNESSES

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WILLIAM S. JOHNSON, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN CANS.

Specification forming part of Letters Patent No. 174,821, dated March 14, 1876; application filed February 19, 1876.

To all whom it may concern:

Be it known that I, WILLIAM S. JOHNSON, of Providence, in the county of Providence and State of Rhode Island, have invented a new and valuable Improvement in Cans; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical central section of my can, and Fig. 2 is a vertical central sectional view of the same and the die upon which it is formed. Fig. 3 is a sectional view of the can as in use.

The nature of my invention consists in the construction of paint or other cans, as will be hereinafter more fully set forth.

In the annexed drawing, A represents the body of the can, made in the usual manner. Around the inside of the body A is formed a bead, *a*, as shown in Fig. 1. To fasten the cover on, an inside die, B, is used, which die has the top beveled at the edge, as shown at *b*. The can-body A is placed on this die, so that the bead *a* rests upon said beveled edge *b*. The cover C is then placed on the rib *a*, and a top or closing die, D, applied, which, when forced down, at one operation closes the bead *a*, and forms it into an inclined ledge, and turns the edge of the can inward and downward onto the cover, said cover having then two points of contact with the metal at *x* and *y*, one on each side, as shown in Fig. 3.

The closing-die D may be so formed that the point of contact *x* may be either inside or outside of the point *y* underneath the cover.

In the drawing I have shown the point *x* on the outside. This I consider the preferable way of fastening, as, in this way, any pressure on the top of the cover tends to tighten rather than loosen it. It may, however, be used so that the contact-point *x* shall be nearer the center than the point *y*.

Instead of shutting up the groove and fastening the cover on in one operation, as above described, the groove may be closed, and the ledge thus formed for the cover to rest upon. The bottom of the can may then be put on and the can filled with paint, and the cover then be put on and fastened by turning the side down, as before described.

The cover C is made of paper or pasteboard prepared in any suitable manner, so as to be impervious to oil or water.

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

1. In the manufacture of cans, the method of forming the support for the cover by an interior bead, *a*, on the can-body, closed by means of dies, to form an inclined ledge, as shown and described.

2. In the manufacture of cans, the method of fastening the cover by forming an interior inclined ledge and bending the edge of the can over onto the cover, so as to form the two points of contact *x y*, as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WM. S. JOHNSON.

Witnesses:

EDWIN R. DODGE,
JOHN B. DUNN.