

(No Model.)

H. B. LEADBETTER.
SUPPLEMENTAL STOPPER FOR INK BOTTLES.

No. 540,322.

Patented June 4, 1895.

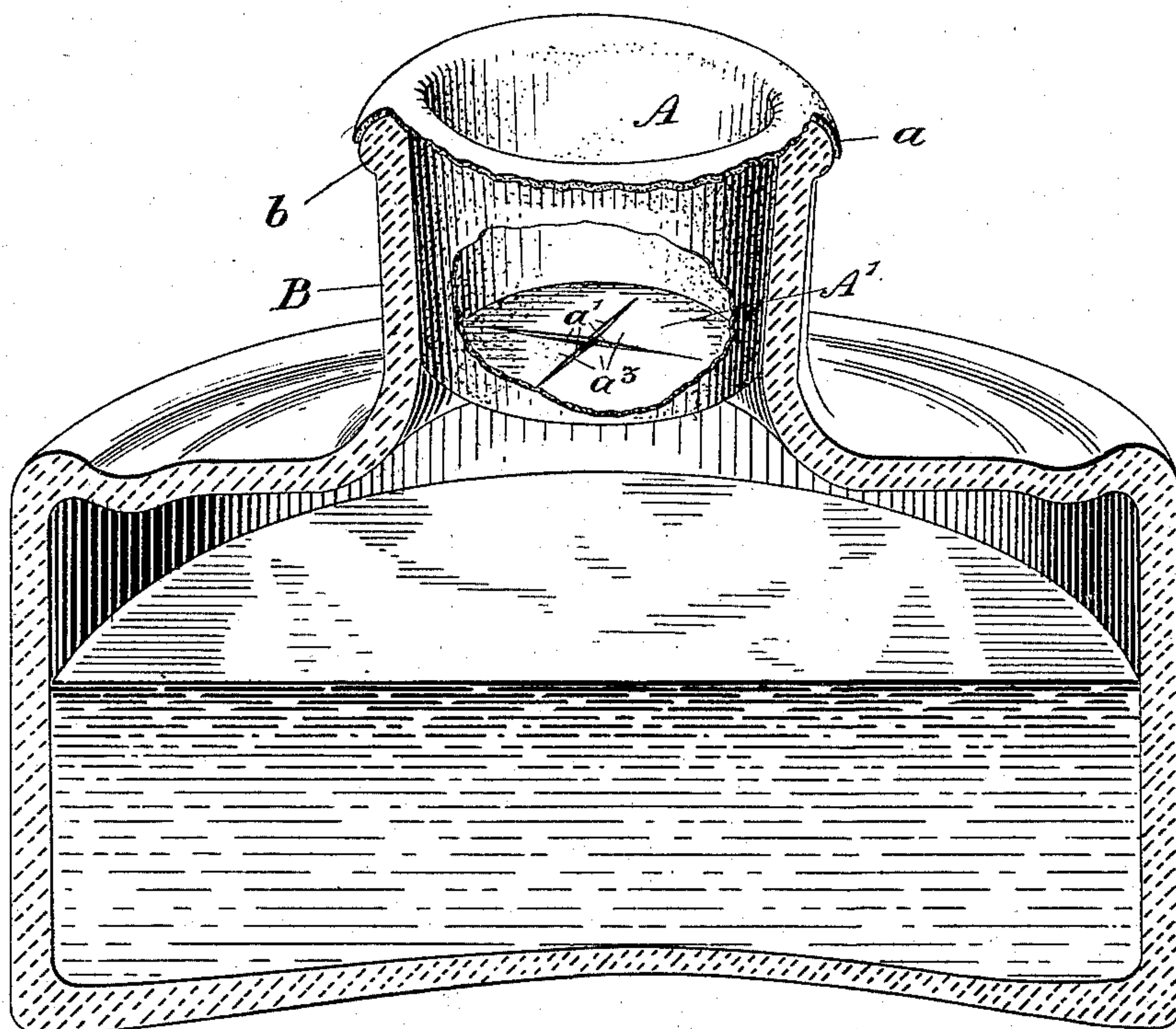


Fig. 1.

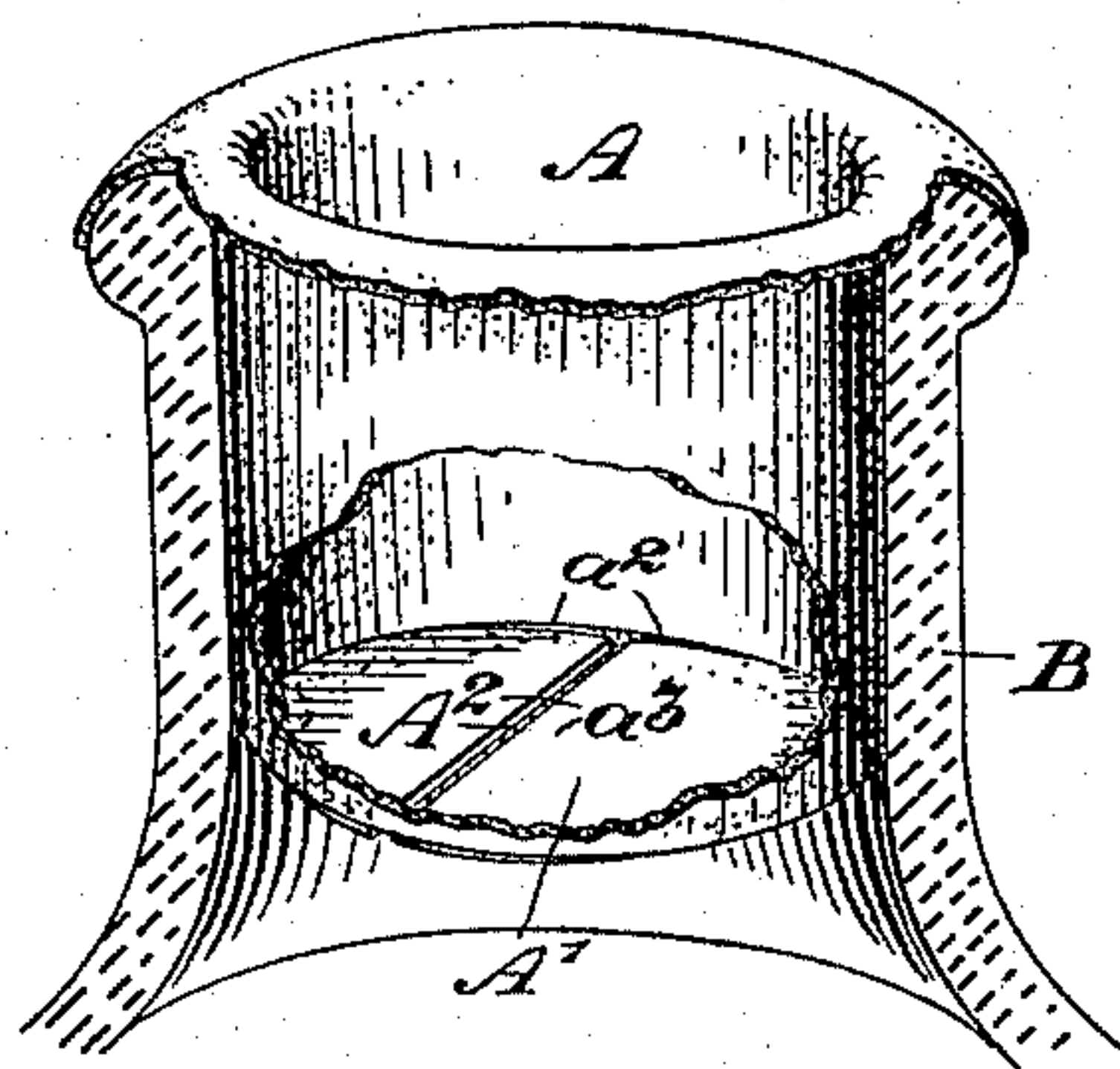


Fig. 2.

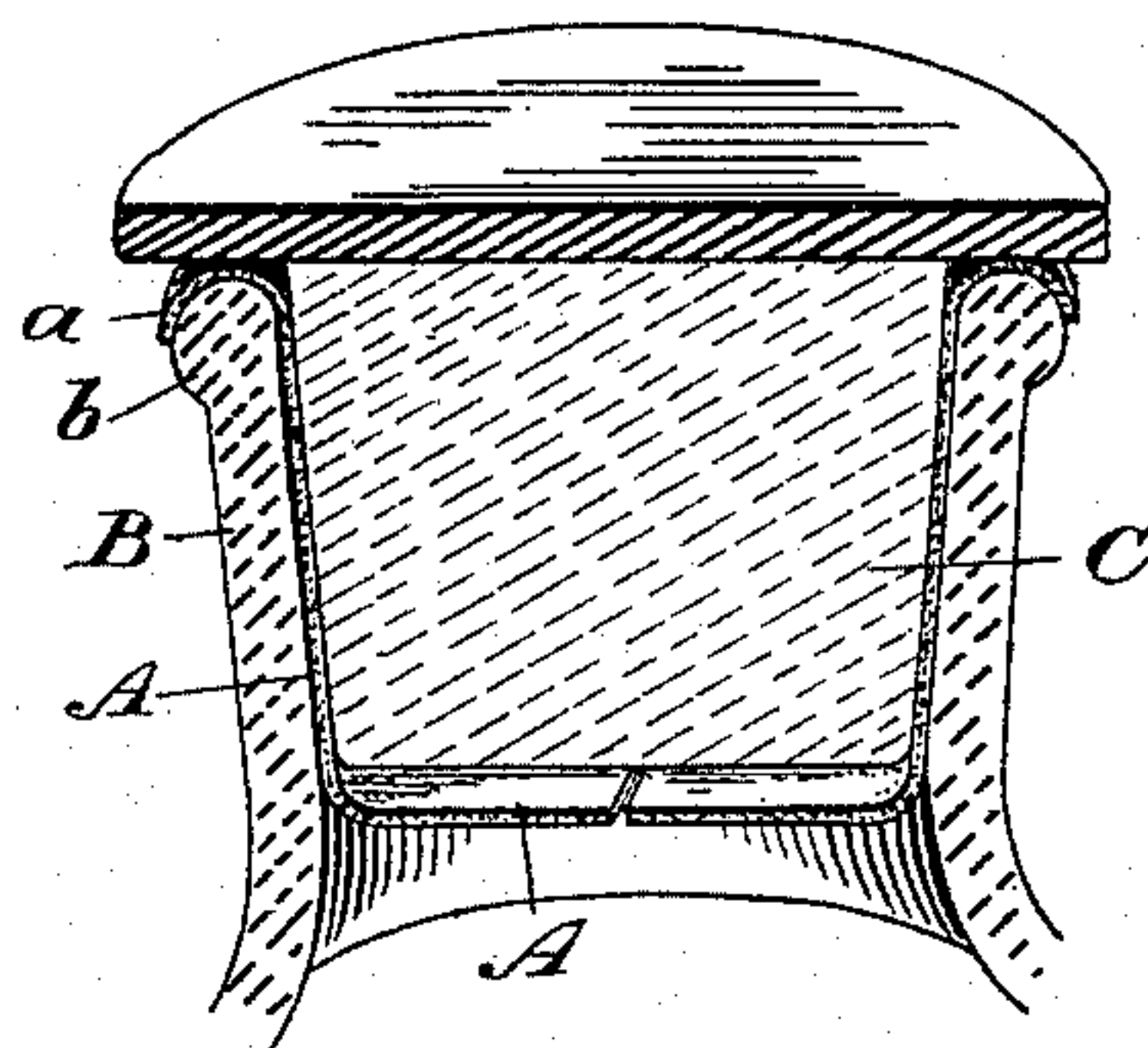


Fig. 3.

Witnesses.

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HELEN BRAID LEADBETTER, OF KINCARDINE, CANADA.

SUPPLEMENTAL STOPPER FOR INK-BOTTLES.

SPECIFICATION forming part of Letters Patent No. 540,322, dated June 4, 1895.

Application filed November 1, 1894. Serial No. 527,646. (No model.)

To all whom it may concern:

Be it known that I, HELEN BRAID LEADBETTER, school-teacher, of the town of Kincardine, in the county of Bruce, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Supplemental Stoppers for Ink-Bottles, of which the following is a specification.

My invention relates to supplemental stoppers for ink bottles and the object of the invention is to design a simple and cheaply made stopper, which will effectually prevent any possibility of the ink evaporating or becoming spoiled with dust when the cork is withdrawn, or spilling should the bottle become overturned and at the same time provide for the dipping of the pen and the preventing of too much ink being taken up at each dip of the pen and it consists in the construction hereinafter described and particularly pointed out in the claim.

Figure 1 is a sectional perspective view through an ink-bottle, showing my supplemental stopper in position, a portion of the stopper being broken away to exhibit the bottom of it. Fig. 2 is a cross-sectional detail of the neck portion, showing an alternative manner of forming the slits in the bottom. Fig. 3 is a sectional perspective view showing the neck of the bottle and supplemental stopper and cork in their relative positions when the bottle is corked.

In the drawings like letters of reference indicate corresponding parts in each figure.

35 A, is the supplemental stopper, which is preferably formed cylindrical in shape and is made of rubber or other suitable flexible or elastic material and is provided with a bottom, A', and an outwardly extending lip, a, which fits over the flange or rim, b, of the neck of the bottle, B. The lip, a, may be formed by simply bending back the elastic rubber, so as to extend over the flange, b, or it may be formed rigidly in that shape. A
45 cork, C, is inserted as shown in Fig. 3, and

when such cork is withdrawn the supplemental stopper will be left in the bottle.

In Fig. 1, in which a portion of the cylindrical part of the stopper is broken away, so as to exhibit the bottom, it will be seen that I provide converging slits, a'.

In Fig. 2, I show a diametrical slit, A², with circumferential slots, a², preferably cut from the opposite ends of each slit both ways, so as to permit of the slit bending downwardly upon the insertion of the pen.

In dipping the pen into the ink the nib and holder will be pressed down through the slit, so as to push aside the lips, a³, formed by the slits and thereby enable the pen to be dipped down into the bottle. In withdrawing the pen the nib will retain the ink on account of the rapidity at which the holder is pulled up but will not retain enough ink to allow of blotting. It will be seen, however, that such stopper with the slitted bottom will effectually prevent the accumulation of dust in the ink and as the slits abut each other when closed will prevent the spilling of ink should the bottle be overturned and also evaporation.

If I make the slit arc-shaped instead of straight as shown in Fig. 2, it will of course be seen that it will be unnecessary to provide circumferential slits.

What I claim as my invention is—

The combination with the neck of an ink bottle having an annular flange at the top thereof, of a supplemental cylindrical hollow stopper having vertical sides fitting closely within the neck and provided with a disk shaped diametrically slit bottom yieldingly secured at right angles to the sides and circumferentially slotted to permit of it being bent downwardly for the admission of the pen, substantially as described.

HELEN BRAID LEADBETTER.

Witnesses:

A. J. EVANS,

HATTIE ERALLS.