

No. 861,049.

PATENTED JULY 23, 1907.

W. L. PEFLEY.  
NON-REFILLABLE BOTTLE.  
APPLICATION FILED MAR. 26, 1907.

Fig. 1.

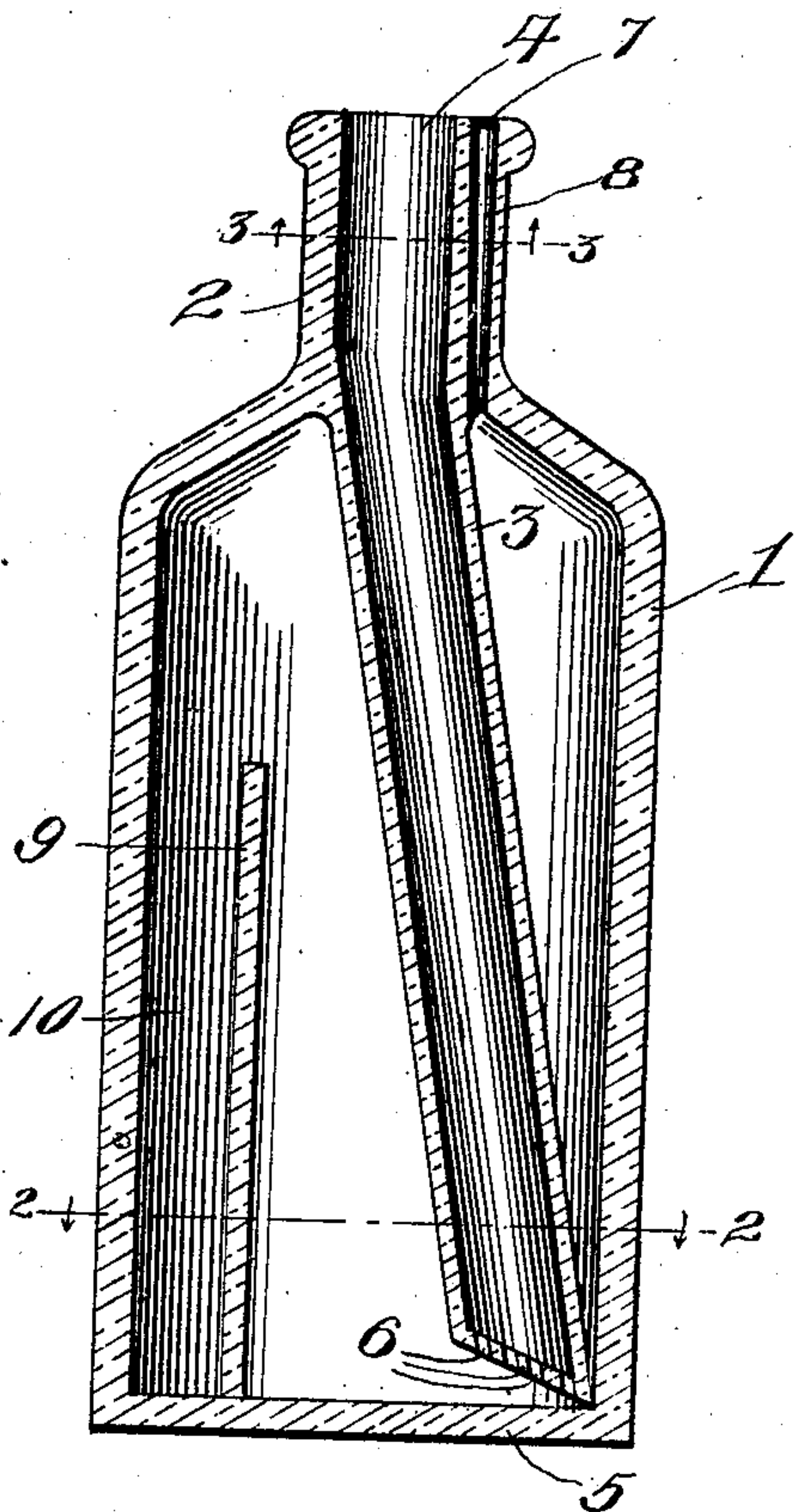


Fig. 2.

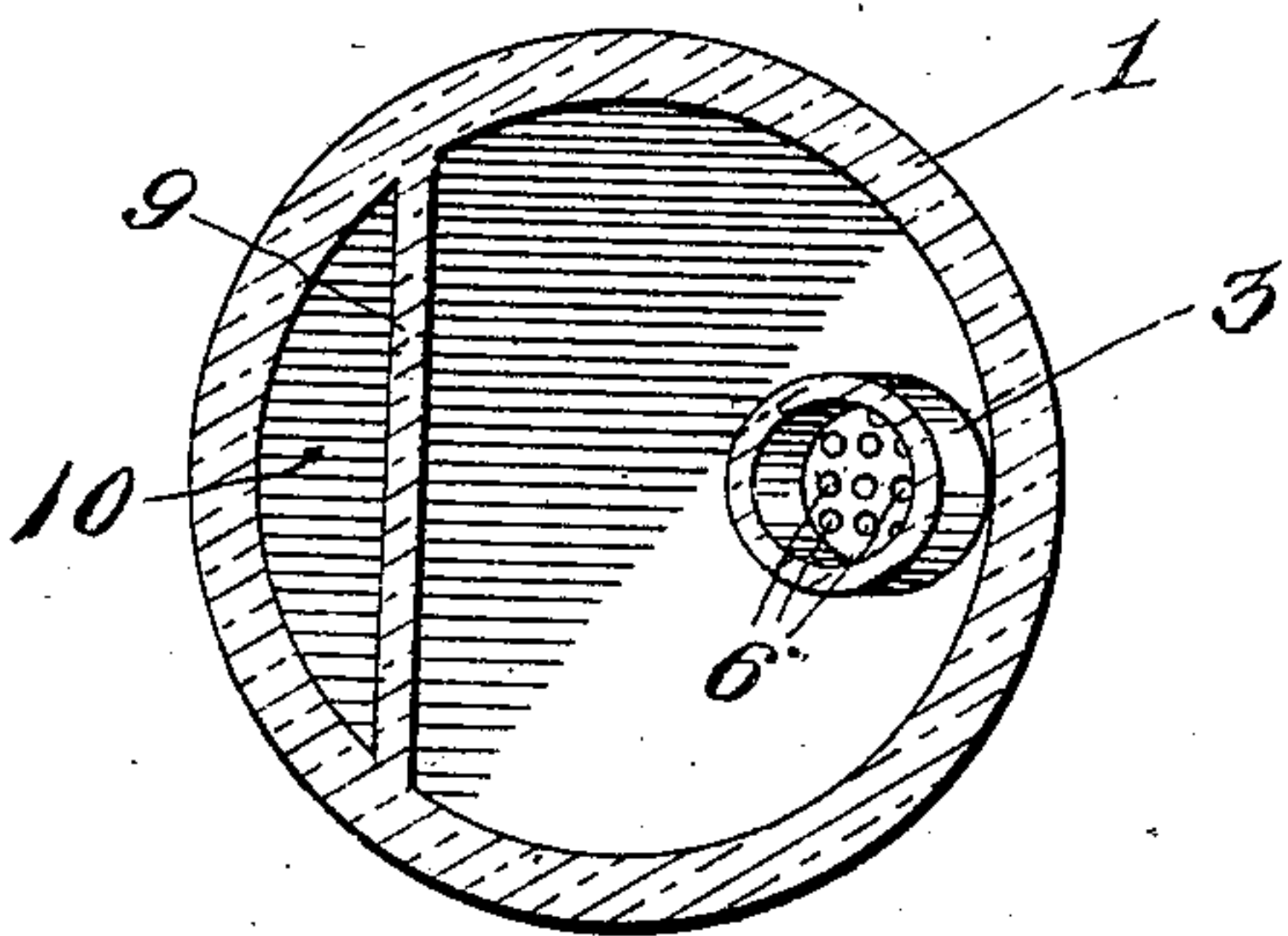


Fig. 3.

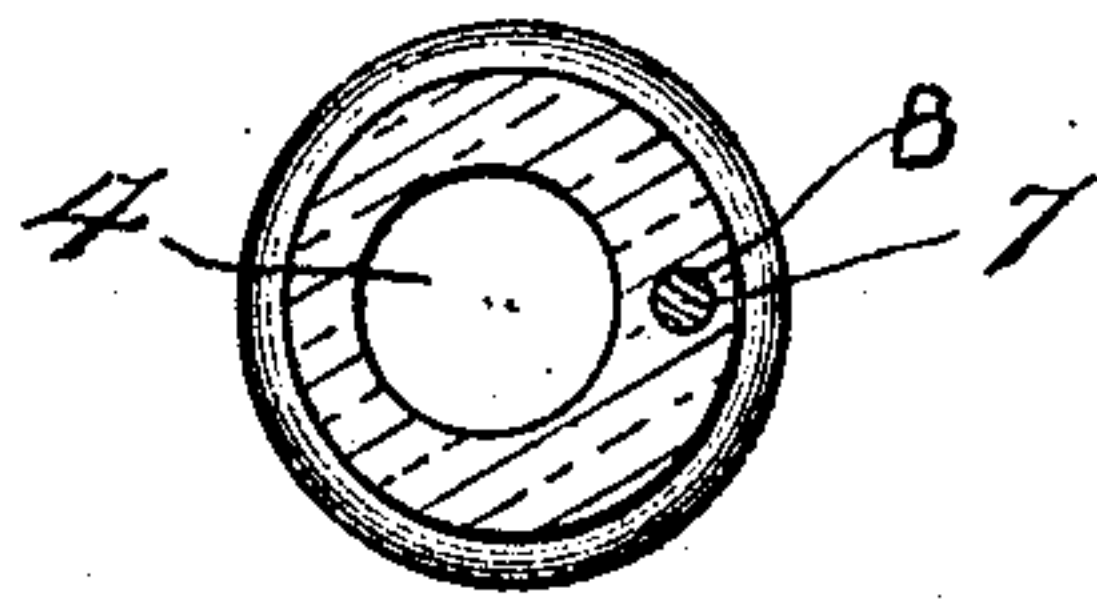


Fig. 4.

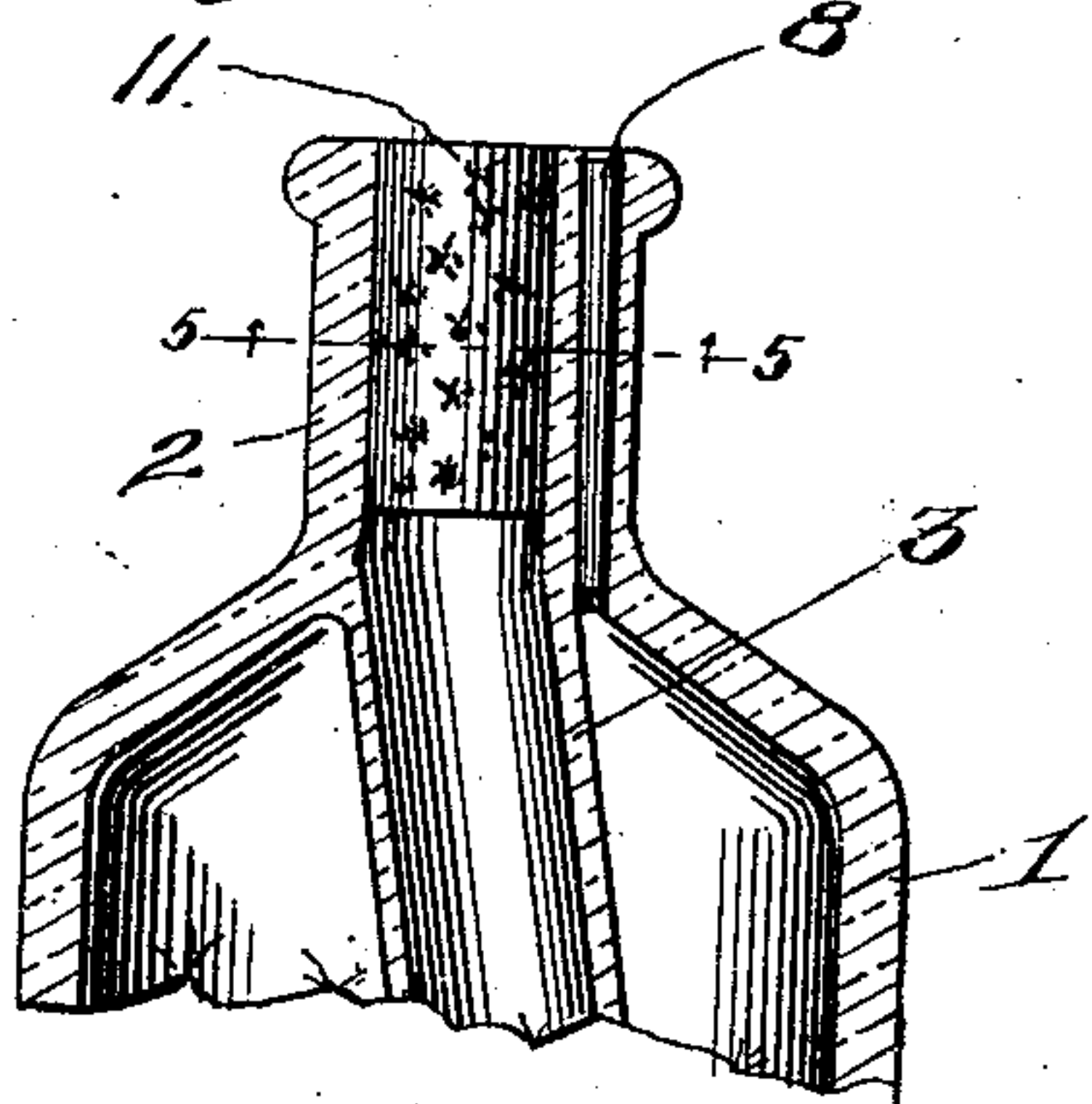
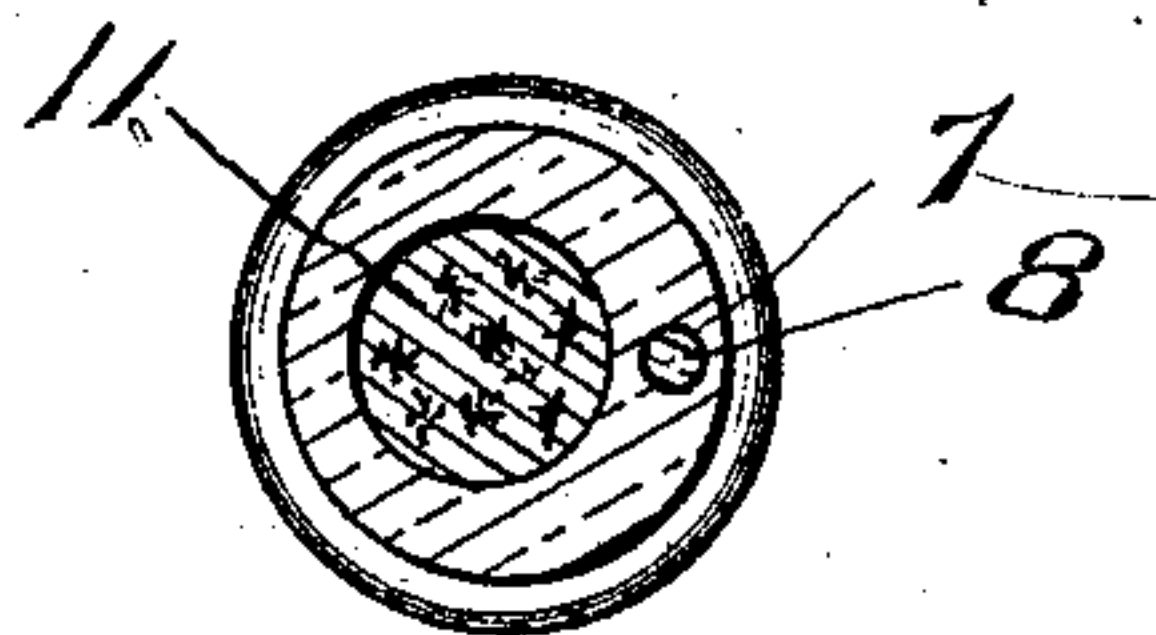


Fig. 5.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## NON-REFILLABLE BOTTLE.

No. 861,049.

Specification of Letters Patent.

Patented July 23, 1907.

Application filed March 26, 1907. Serial No. 364,676.

To all whom it may concern:

Be it known that I, WILLIAM L. PEFLEY, a citizen of the United States of America, residing at Murrietta, in the county of Riverside and State of California, have invented new and useful Improvements in Non-Refillable Bottles, of which the following is a specification.

This invention relates to non-refillable bottles, and one of the principal objects of the same is to provide a bottle which may be cast in a single piece and provided with means whereby the bottle cannot be refilled after the contents have been withdrawn, and in which valves are entirely dispensed with.

Another object of the invention is to provide a non-refillable bottle with an air vent which will permit the bottle to be filled, said air vent being closed after the bottle is filled to prevent refilling of the bottle.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which:

Figure 1 is a central vertical section taken through a bottle made in accordance with my invention. Fig. 2 is a transverse section taken on the line 2—2, Fig. 1, and looking in the direction indicated by the arrows. Fig. 3 is a similar view taken on the line 3—3, Fig. 1, and looking in the direction indicated by the arrows therein. Fig. 4 is a vertical section of the upper portion of the bottle, and showing the cork or stopper applied thereto. Fig. 5 is a transverse sectional view on the line 5—5, Fig. 4, and looking in the direction indicated by the arrows. Referring to the drawing for a more particular description of my invention, the numeral 1 designates the bottle body which may be round, square or any other suitable shape, and of any required size and contour; 2 is the neck of the bottle. A tube 3 which may be formed separately from the bottle, and secured to the bottle body by fusing the glass, or in any other suitable manner, extends from the mouth 4 of the bottle down through the neck and is then inclined toward the bottom 5 of the bottle toward one side of the bottle body. The tube 3 is provided with an inclined lower end provided with a series of perforations 6. An air vent 7 extends from the upper end of the bottle neck down through said bottle neck and terminating at the side of the tube and communicating with the interior of the bottle, said air vent being provided with a plug 8 adapted to be inserted therein after the bottle has been filled and immovably fitted in the air vent 7. A partition 9 extends across the bottle body, said partition extending up about two-thirds the height of the bottle body, thus providing a pocket or chamber 10 between said partition and the inner wall of the bottle body.

The operation of my invention may be briefly described as follows: With the air vent 7 open the bottle may be readily filled, the liquid passing down through the tube 3 and into the bottle through the perforations 6 in the bottom of said tube. After the bottle has been filled, the plug 8 is inserted in the air vent 7, and secured therein by a suitable cement or other adhesive substance which will prevent its removal. The cork or stopper 11 is then inserted in the neck of the bottle. When the stopper 11 is withdrawn for the purpose of decanting the contents of the bottle, the bottle is tipped to one side and the liquid passes through the perforations 6 and out through the bottle neck. After a quantity of the liquid has been withdrawn from the bottle and the bottle is tipped for the purpose of withdrawing the contents, all the liquid which filled the pocket 10 between the partition 9 and the inner wall of the bottle body is confined below the upper end of the partition 9 within the main chamber of the bottle, thus restricting the area and aiding materially in withdrawing all the contents of the bottle through the perforations 6. After the contents have been withdrawn it will be practically impossible to refill the bottle, owing to the fact that there is no air vent to the interior of the bottle, and the perforations 6 in the lower end of the tube form practically a liquid seal against the entrance of liquid without air vent.

From the foregoing it will be obvious that a bottle made in accordance with my invention is comparatively simple in construction, cannot be refilled after its contents have been withdrawn, and the bottle is formed without the use of valves, baffles, or other complex mechanism.

Having thus described the invention, what I claim is:

1. A non-refillable bottle having a tube extending from the neck into the bottle and terminating near the bottom of the bottle, said tube having an inclined perforated lower end, and said neck having an air vent extending through the same and communicating with the interior of the bottle, and a plug hermetically sealed in said air vent after the bottle has been filled.

2. A bottle provided with a tube extending from the bottle neck to a point near the bottom of the bottle and provided with a perforated lower end, and a partition extending across the interior of the bottle and terminating below the horizontal plane of the bottle neck.

In testimony whereof, I affix my signature in presence of two witnesses.

WILLIAM L. PEFLEY.

Witnesses:

R. R. PEFLEY,  
J. A. CRANE.