

J. H. GRAHAM.
BOTTLE.
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978,736.

Patented Dec. 13, 1910.

Fig. 1.

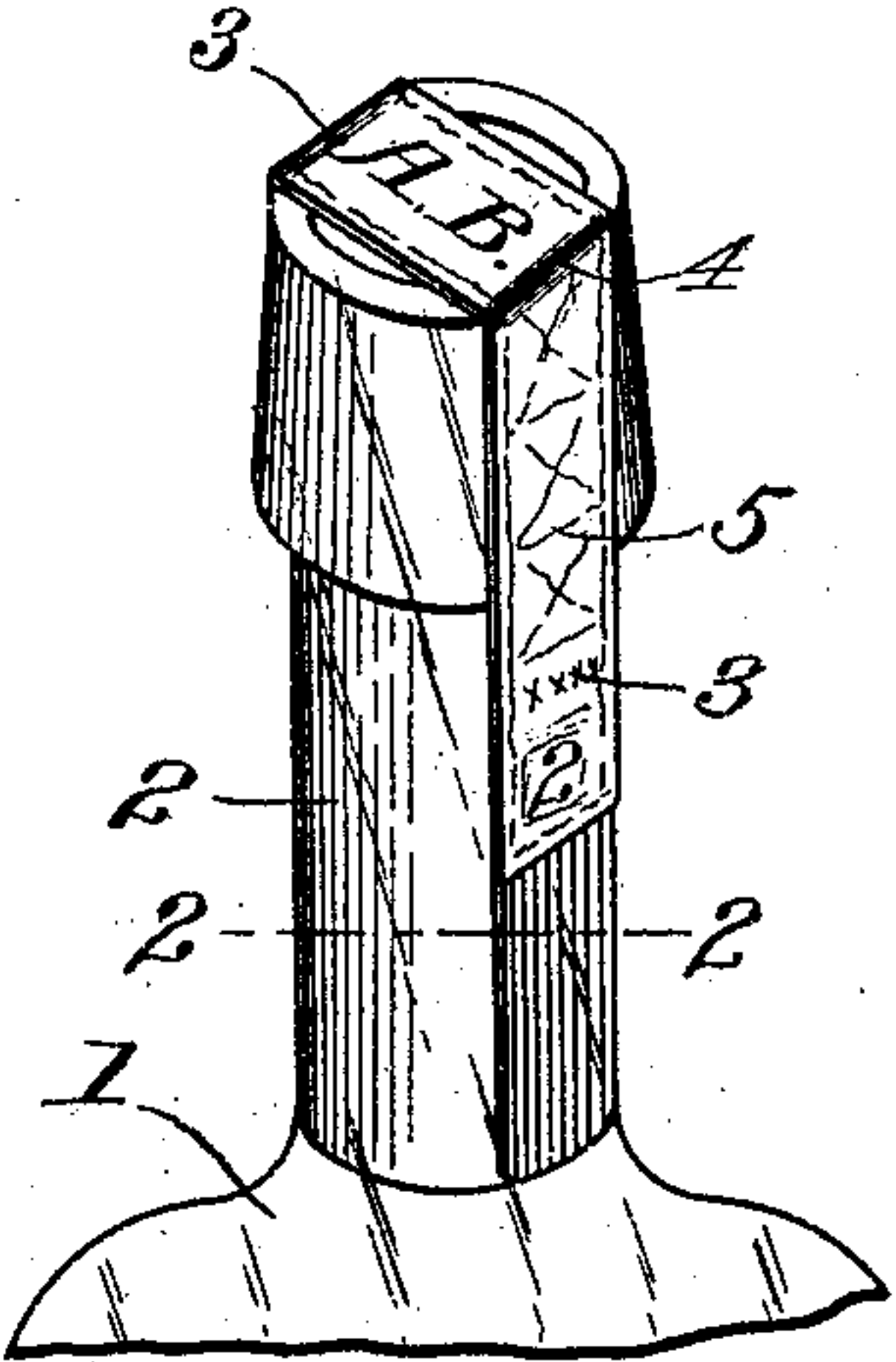


Fig. 2.

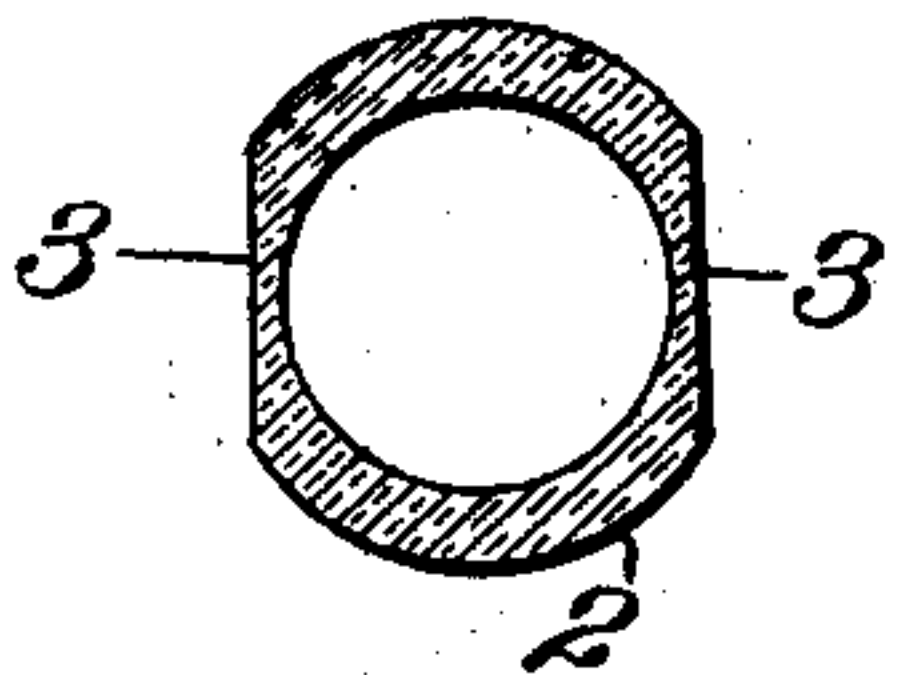


Fig. 5.

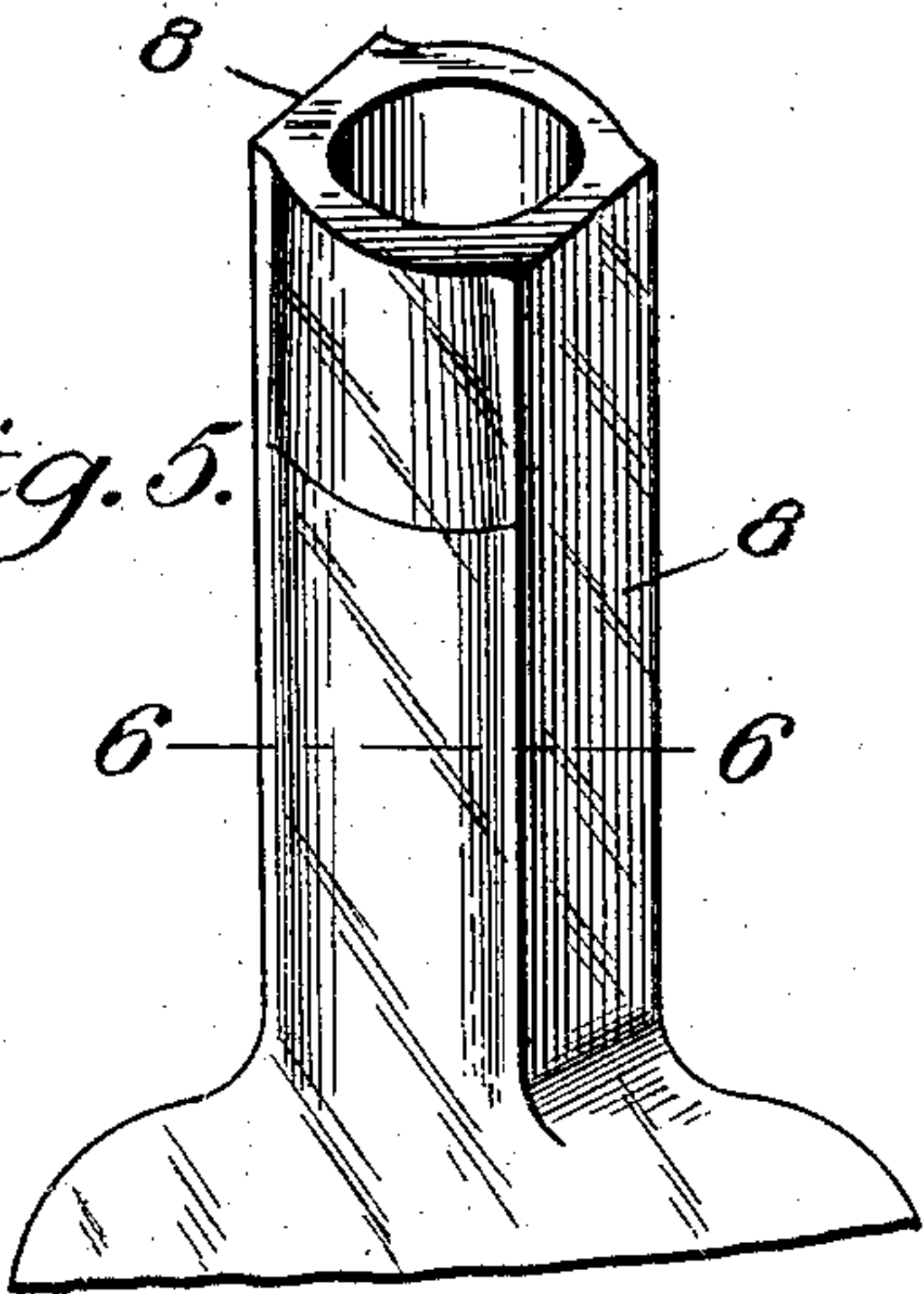


Fig. 6.

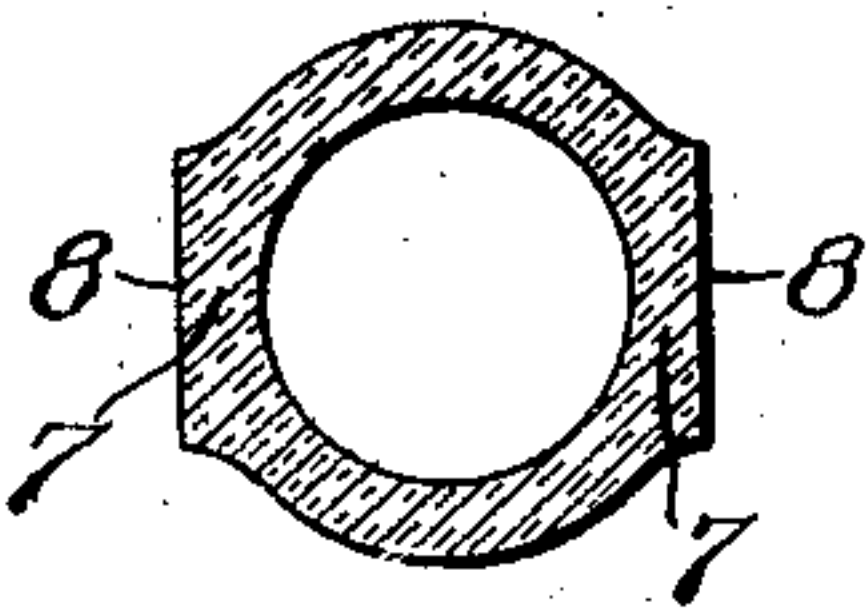


Fig. 3.

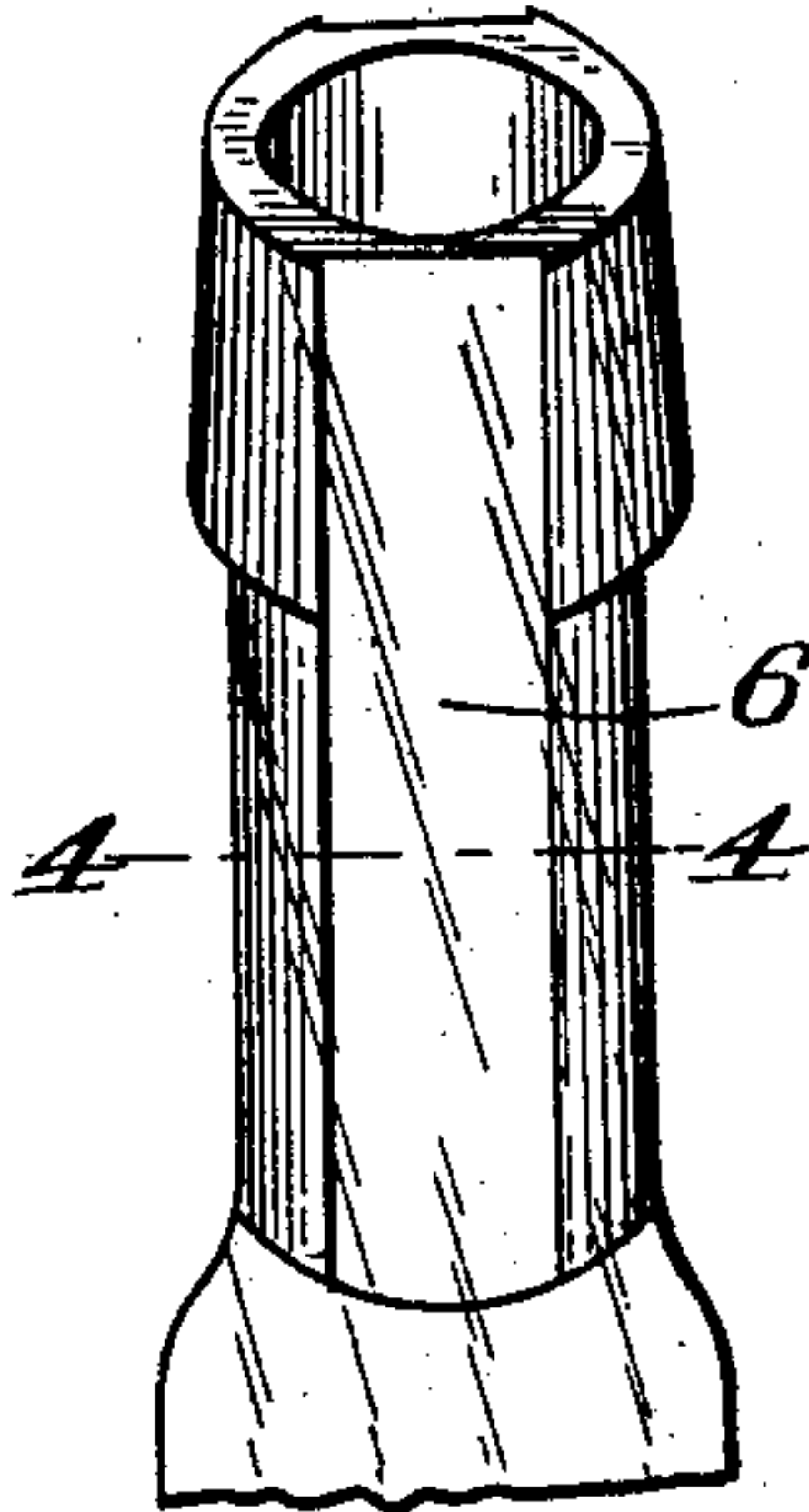


Fig. 4.

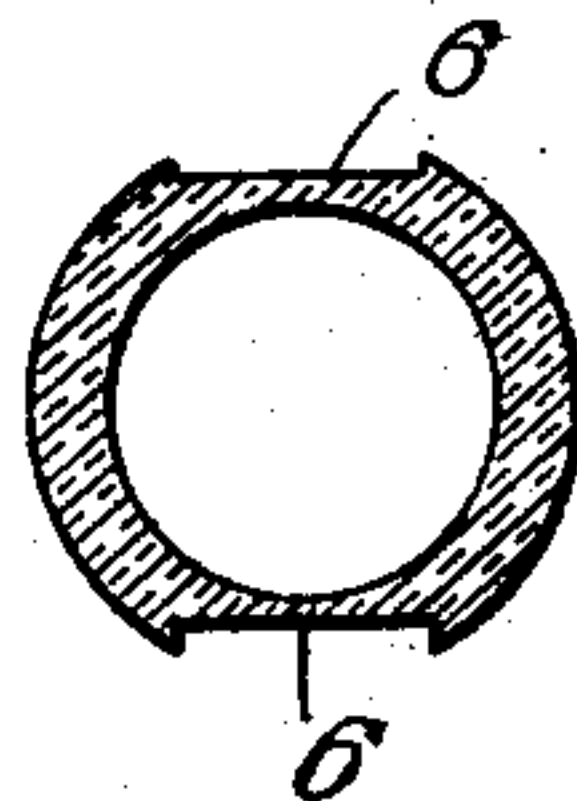
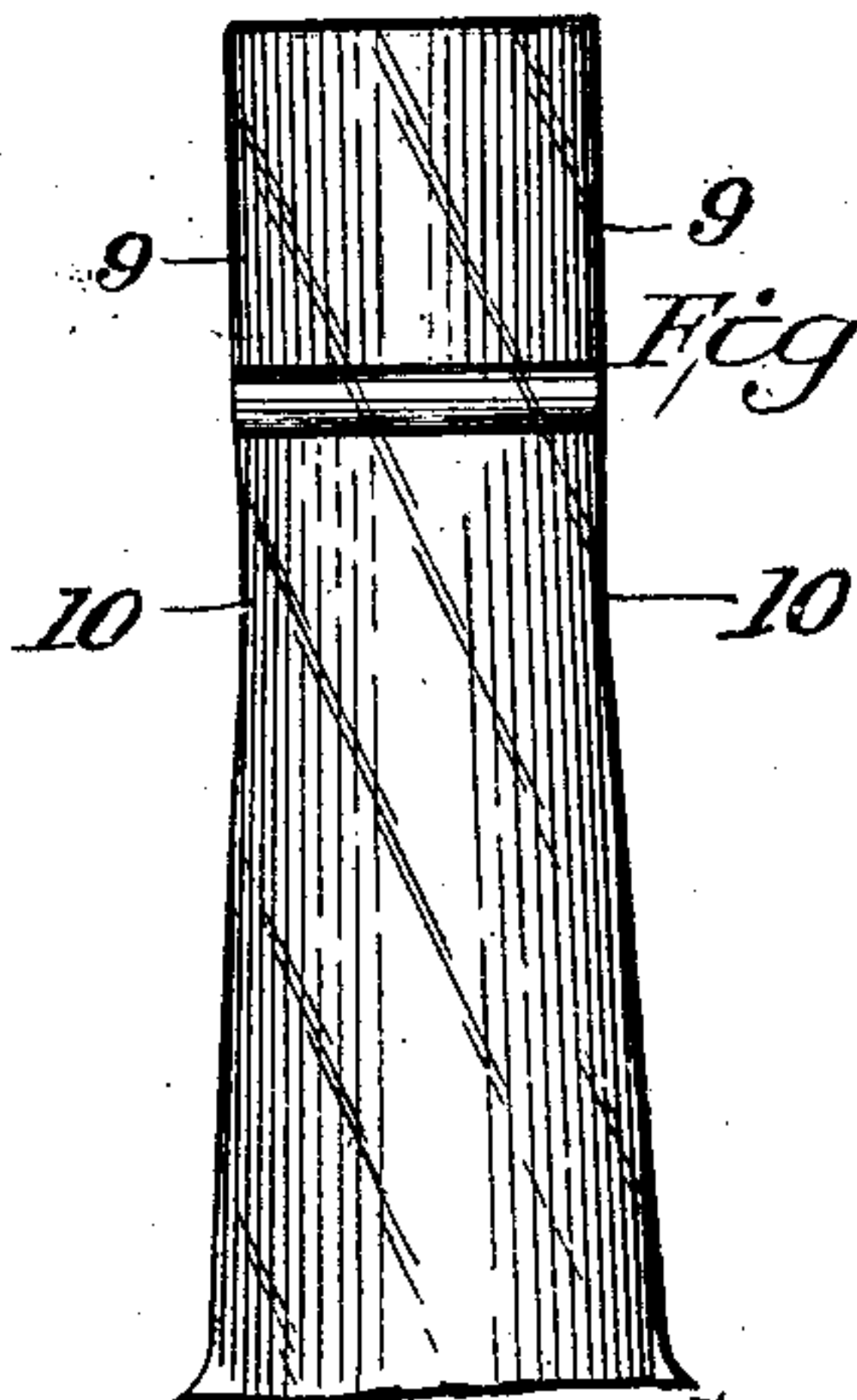


Fig. 7.



Witnesses
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BOTTLE.

978,736.

Specification of Letters Patent.

Patented Dec. 13, 1910.

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To all whom it may concern:

Be it known that I, JAMES H. GRAHAM, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Bottles, of which the following is a specification.

This invention relates to bottles, and its object is to provide a bottle neck of novel construction which will facilitate the application thereto of the label strip now commonly used by pasting the labels over the stoppers of bottles. These labels extend over the mouth of the bottle and down the opposite sides of the neck to which they are affixed by adhesive material.

As the ordinary bottle neck is circular in cross section, its sides present convex surfaces to which the labels are fixed and owing to the convexity of these surfaces the labels do not always adhere reliably.

The present invention consists in providing a bottle neck with diametrically opposite flat surfaces to which the labels are applied, and the construction of the improvement will be fully described hereinafter in connection with the accompanying drawing which forms a part of this specification; and its features of novelty will be set forth and defined in the appended claims.

In the accompanying drawings:—Figure 1 is a perspective view of one form of bottle neck embodying the invention. Fig. 2 is a transverse section of the same on the line 2—2 of Fig. 1. Fig. 3 is a perspective view of another embodiment of the improvement. Fig. 4 is a section of the same on the line 4—4 of Fig. 3. Fig. 5 is a perspective view of another modified form of the improvement. Fig. 6 is a section of the same on the line 6—6 of Fig. 5, and Fig. 7 is an elevation of a still further modified form of the improvement.

Referring to Figs. 1 and 2 the numeral 1 designates a bottle, the neck 2 of which is flattened on diametrically opposite sides, preferably throughout the length of the neck, to provide straight flat surfaces 3 to which a pasted label will securely adhere.

In addition to providing the diametrically opposite exterior surfaces of the bottle neck with the flat surfaces 3, the flattening of the sides of the neck provides straight edges 4 at the top of the neck over which the labels 5 are turned at sharp angles, and these straight edges materially add to the reliability of the attachment of the label.

While the form of bottle neck shown in Figs. 1 and 2 is a practical and inexpensive construction, the invention may be modified in the manner shown in the other figures of the drawing.

In Figs. 3 and 4 the diametrically opposite sides of the bottle neck are countersunk to a sufficient depth to conveniently receive the ends of the label providing flat surfaces 6. This construction, in addition to providing flat surfaces for the label, possesses the important additional advantage of protecting the edges of the label and thus preventing the tearing or mutilation of the label by abrasion of its edges by handling, or transportation of the bottle, the edges of the ends of the label being below or flush with the exterior surface of the bottle neck.

In the form of the improvement illustrated in Figs. 5 and 6 the bottle neck is formed on opposite sides with raised portions or projections 7 providing flat surfaces 8.

It will be apparent that all of these forms provide flat surfaces for the labels to be pasted thereto.

In Fig. 7 the flattened portions 9 of the bottle neck are slightly concaved or depressed at the points 10 thus giving both flat and concave surfaces, and obviously insuring a secure adhering of the labels to the bottle neck.

The flat surfaces may of course be either at the sides of the neck as shown, or at the front and back thereof, so long as said surfaces are diametrically opposite each other.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

1. A bottle, having its neck flattened on diametrically opposite sides, and counter-

sunk to provide depressions to receive the label, the walls of said depressions serving to protect the edges of the label.

- 5 2. A bottle, having its neck flattened on diametrically opposite sides, to provide straight edges at the upper end of the neck, and countersunk to form parallel walls which protect the edges of the label.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JAMES H. GRAHAM.

Witnesses:

LUCY P. WHITNEY,
JAMES R. MCBRIDE.