

No. 672,850.

Patented Apr. 23, 1901.

T. N. JAYNE.  
MEASURING BOTTLE STOPPER.

(Application filed Apr. 9, 1900. Renewed Mar. 30, 1901.)

(No Model.)

Fig. 1,

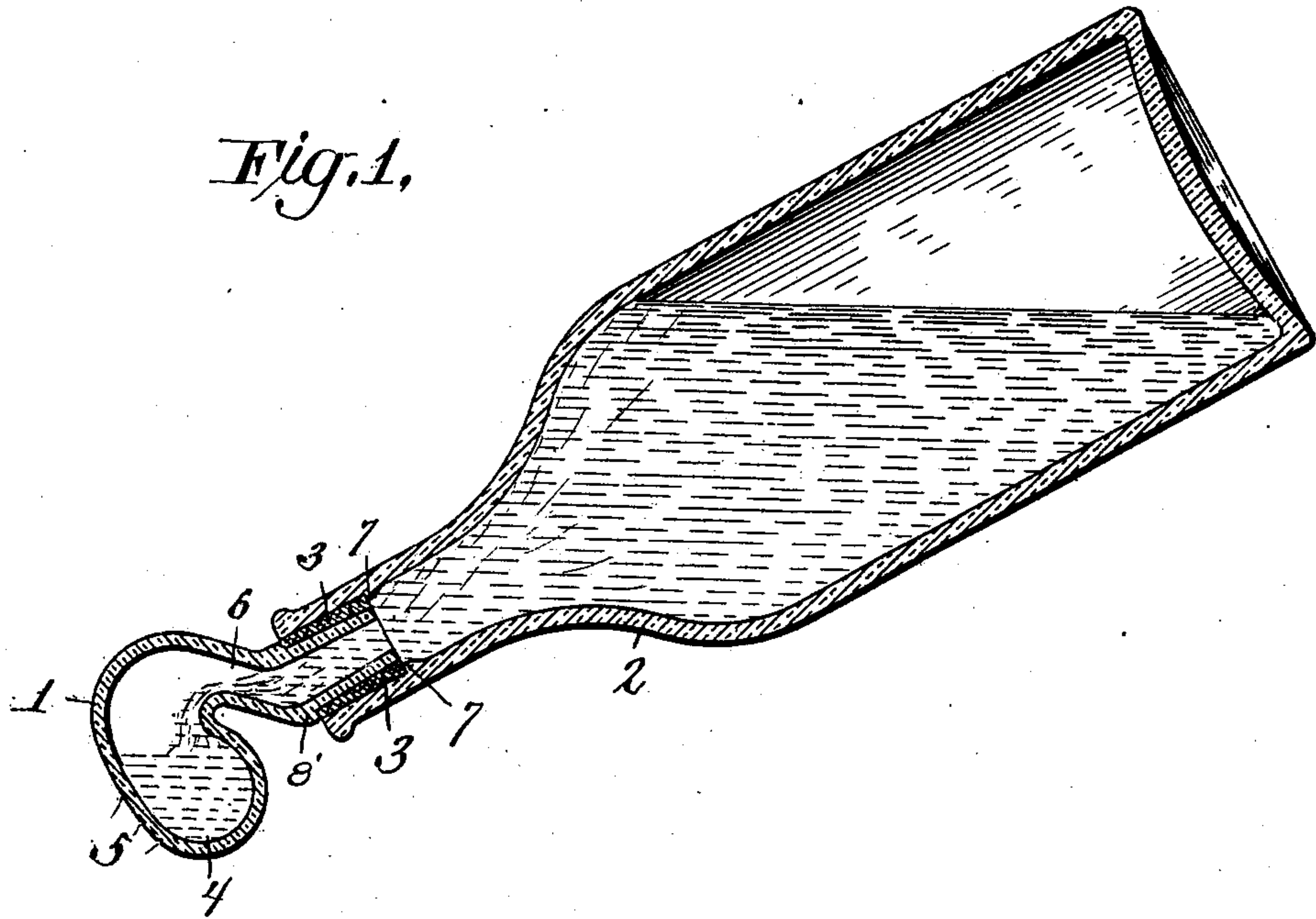


Fig. 2,

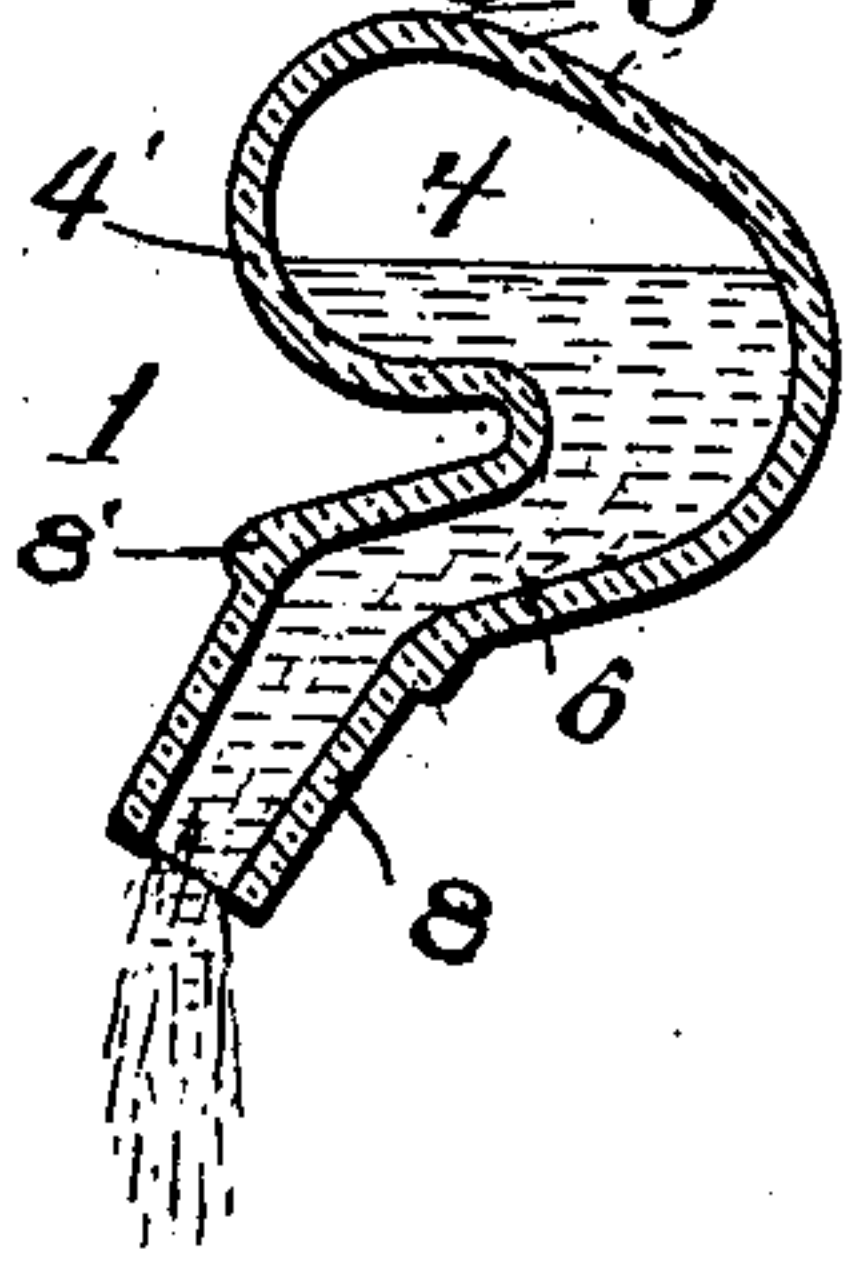
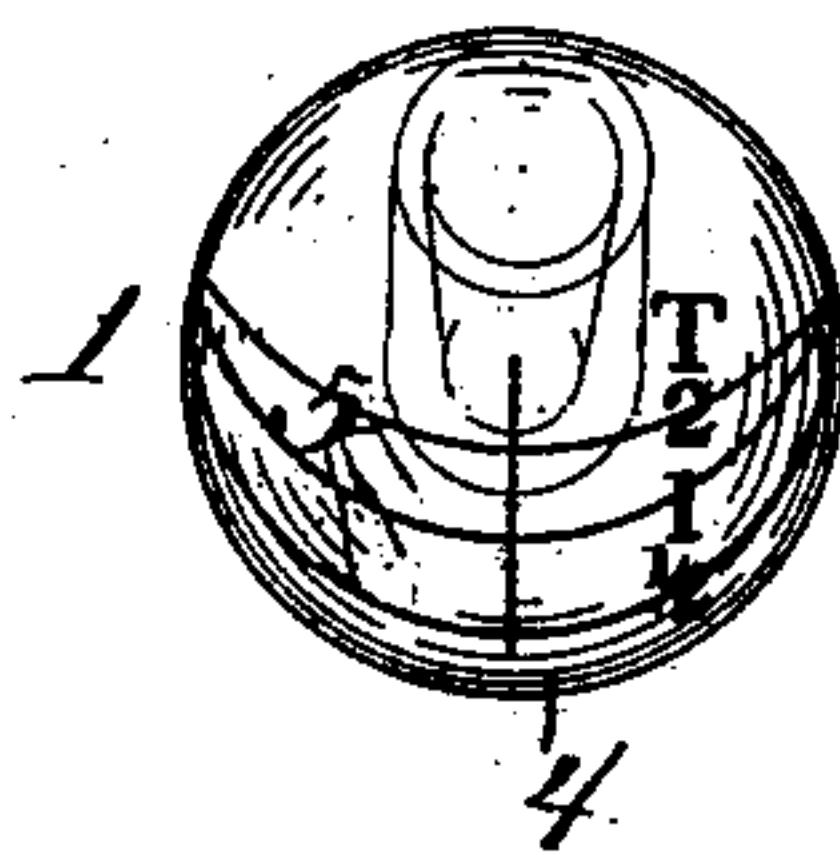


Fig. 3,



WITNESSES:

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# UNITED STATES PATENT OFFICE.

TRAFFORD N. JAYNE, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO THE NATIONAL MEASURING BOTTLE STOPPER COMPANY, OF SAME PLACE.

## MEASURING BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 672,850, dated April 23, 1901.

Application filed April 9, 1900. Renewed March 30, 1901. Serial No. 53,695. (No model.)

*To all whom it may concern:*

Be it known that I, TRAFFORD N. JAYNE, of the city of Minneapolis, county of Hennepin, State of Minnesota, have invented certain new and useful Improvements in Measuring Bottle-Stoppers, of which the following is a specification.

This invention relates to bottle-stoppers, and particularly to a stopper that is adapted to take the place of a spoon, graduate, or other utensil commonly used in measuring liquids.

The object of the invention is to provide a blown bottle-stopper that will have a good appearance; and the particular object of the invention is to provide a measuring bottle-stopper of so low a cost as to render its use practicable as distinguished from similar articles hitherto devised, all of which have been so costly as to prohibit their use.

The invention consists generally in a bulbous stopper for bottles having the form of a trap which while serving as a stopper for a bottle may be filled by inverting the bottle, after which the stopper may be withdrawn and its contents emptied.

The invention will be more readily understood by reference to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a sectional view of a bottle provided with a measuring-stopper embodying my invention, the bottle being shown in an inverted position in the act of measuring a dose in the stopper. Fig. 2 is a sectional view of the stopper in position to empty its contents. Fig. 3 is a top view of the stopper, showing the graduating-marks thereon.

In the drawings, 2 represents a bottle which resembles the ordinary bottles, with the exception that the neck is provided with an internal shoulder to form a base or binder for the hollow cork or cork bushing 3, that is permanently secured in the neck of the bottle. This cork bushing makes it unnecessary to grind the bottle-neck and the stem of the stopper. The stopper comprises the main bulb 4, the stem 8, and the angular connecting portions 6. The bulb 4 is substantially circular in horizontal cross-section and is very much larger than the parts 6 and 8. All parts

of the stopper are integral, the stopper being blown in a mold just as a bottle is manufactured. The angular portion 6 and the main part of the bulb form a trap, in which the liquid will be retained after the bulb is filled and when the bottle is again stood on end. I prefer that the bottom 4' of the bulbous portion of the device be slightly depressed to increase the capacity of the device; but it is evident that this depression may be omitted and the bottom of the bulb confined to a plane surface. A shoulder 8' is preferably formed on the stem; but this may be omitted. Graduate-marks 5 are engraved or molded upon the top of the stopper. These marks preferably extend quite around the bulb. The same may be parallel; but I prefer to make them inclined, extending them radially from the bottom of the trap as a center.

It is obvious that the stopper may be oblong or rectangular in shape, and it is, in fact, advantageous to provide stoppers of various shapes in order that the same may be used as indicators for various kinds of medicines or other liquids.

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

1. A measuring bottle-stopper comprising a suitable stem, a graduated bulb arranged in a substantially central position over said stem, and an angular portion or trap connecting the stem with the bulb at one side thereof, substantially as described.

2. A blown bottle-stopper, comprising a graduated bulb, a stem substantially at right angles thereto, and an angular portion inclined toward that side of the stem opposite the bulb and arranged between and connecting the stem and bulb and completing the trap, substantially as described.

3. The combination, with a bottle provided with a cork bushing, of a detachable measuring-stopper, comprising a stem fitting said bushing, a bulb, and an angular portion inclined toward that side of the stem opposite the bulb and arranged between and connecting the bulb and stem and forming therewith a trap, as and for the purpose specified.

4. A new article of manufacture, consisting

ing in a graduated bulb, a stem, and a member inclined on that side of the stem opposite the bulb and connecting one side of said bulb with the top of said stem, substantially  
5 as described.

5. A measuring bottle-stopper comprising a blown bulb having graduations, a stem arranged in a central position below said bulb, and an inclined portion or trap arranged between and connecting one side of said bulb  
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and the top of said stem, substantially as described.

In testimony whereof I have hereunto set my hand this 5th day of April, 1900, at Minneapolis, Minnesota.

TRAFFORD N. JAYNE.

In presence of—

C. G. HAWLEY,  
M. C. NOONAN.