

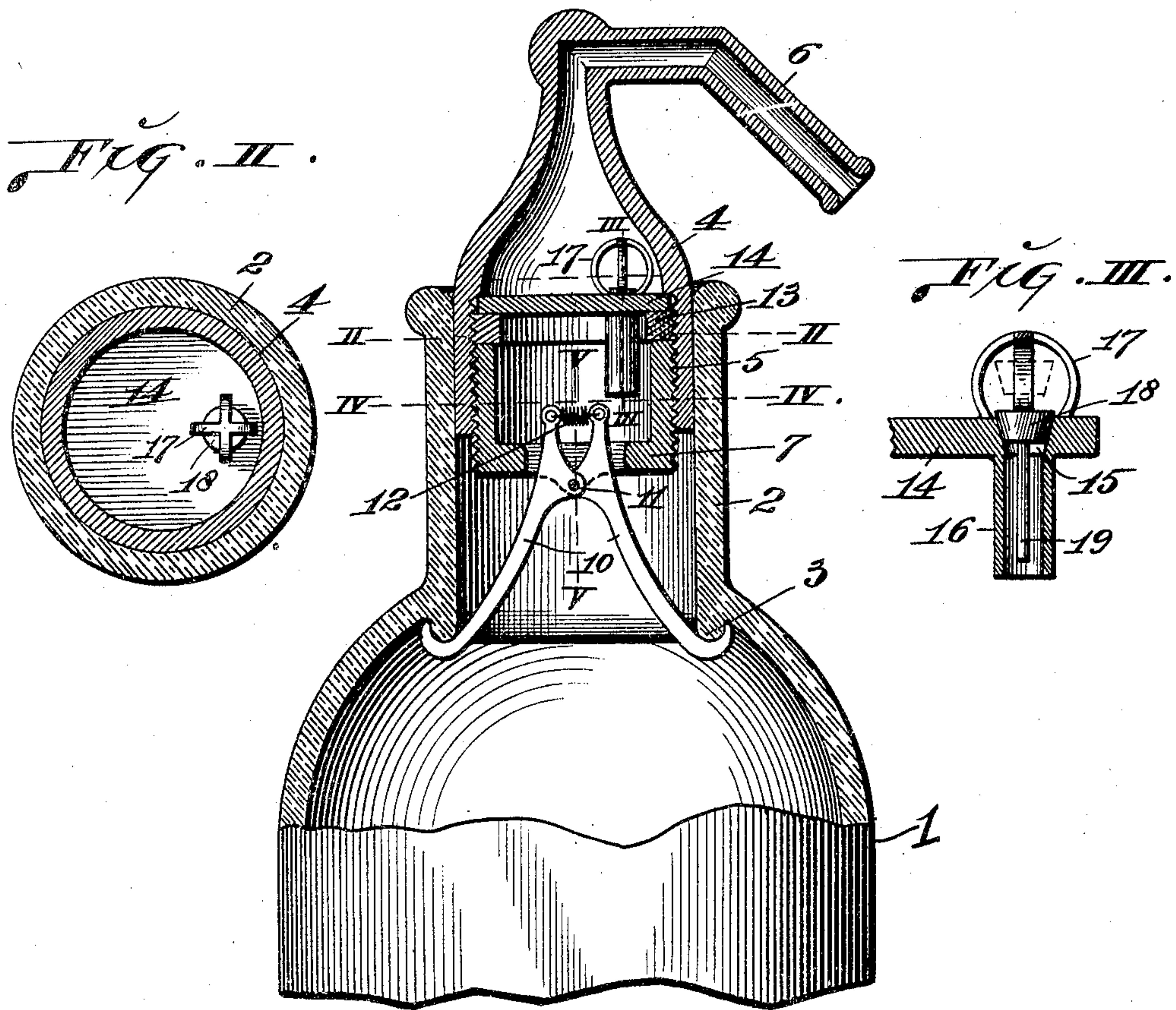
No. 770,502.

PATENTED SEPT. 20, 1904.

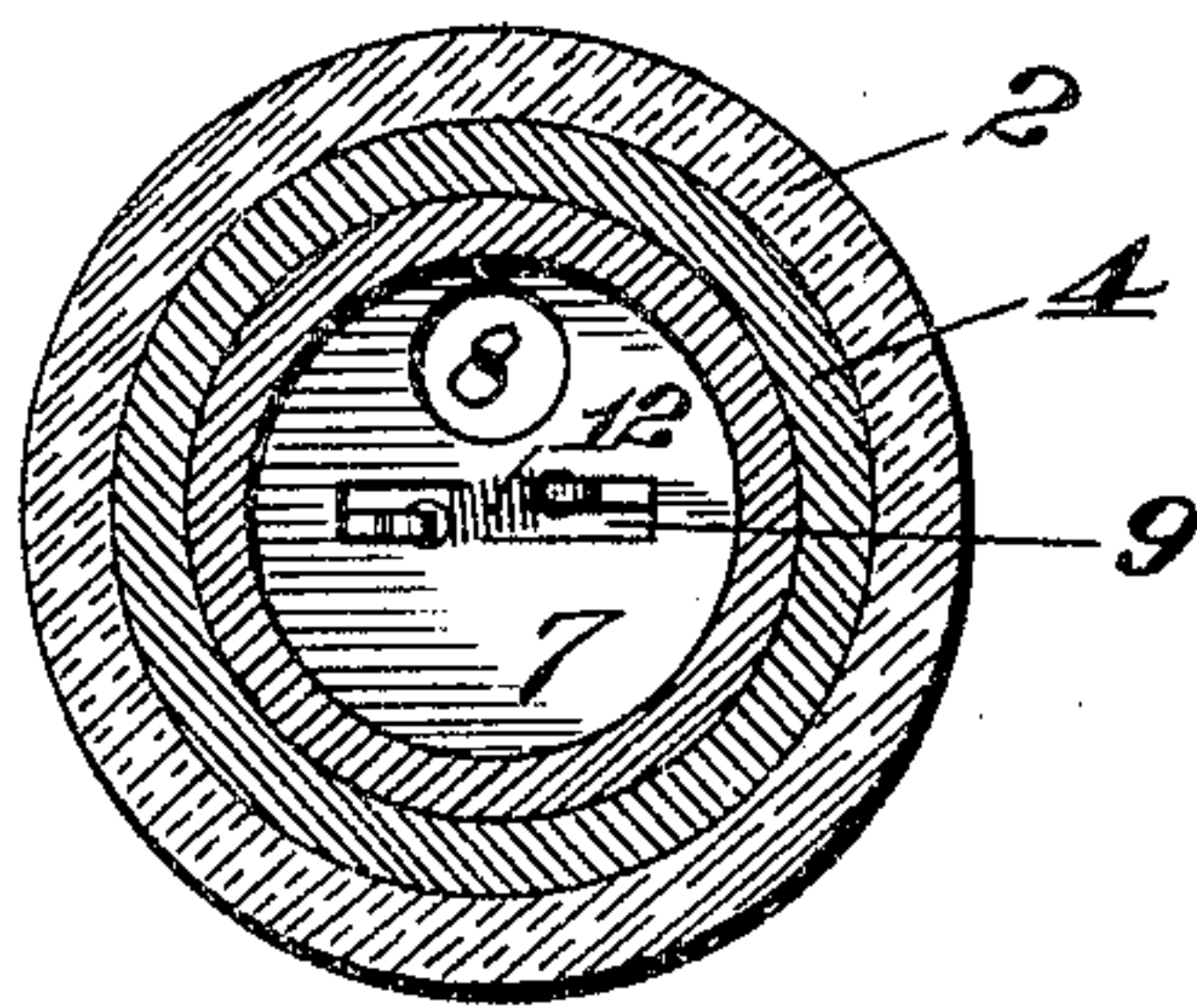
J. ST. J. LAMBE.  
NON-REFILLABLE BOTTLE.  
APPLICATION FILED JAN. 4, 1904.

NO MODEL.

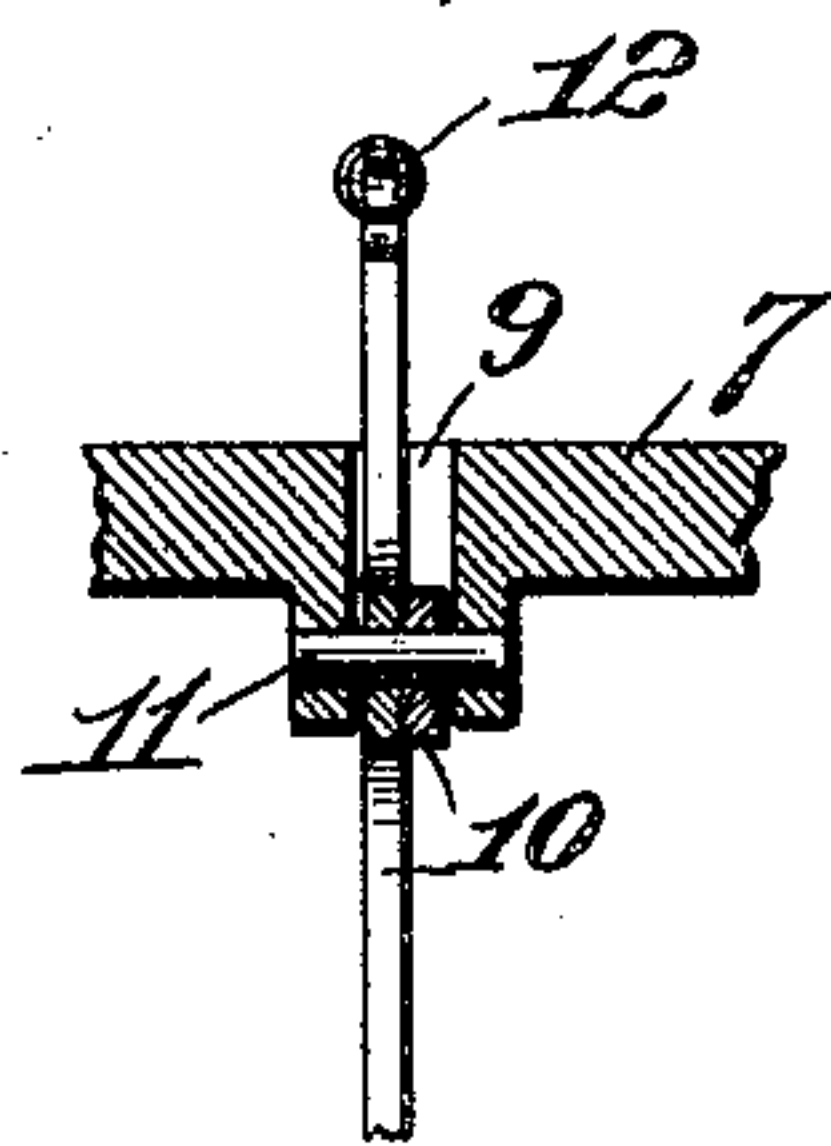
*Fig. I.*



*Fig. IV.*



*Fig. V.*



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# UNITED STATES PATENT OFFICE.

JAMES ST. J. LAMBE, OF ST. LOUIS, MISSOURI.

## NON-REFILLABLE BOTTLE.

SPECIFICATION forming part of Letters Patent No. 770,502, dated September 20, 1904.

Application filed January 4, 1904. Serial No. 187,694. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES ST. J. LAMBE, a citizen of the United States, residing in the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Non-Refillable Bottles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a bottle having a stopper through which the contents may be extracted, but into which introduction of liquid to fill the bottle is prevented by means of the stopper.

The invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a vertical section of my improved bottle. Fig. II is a horizontal section taken on line II II, Fig. I. Fig. III is an enlarged vertical section taken on line III III, Fig. I. Fig. IV is a horizontal section taken on line IV IV, Fig. I. Fig. V is an enlarged vertical section taken on line V V, Fig. I.

1 designates a bottle having a neck 2, beneath which within the bottle is an annular shoulder 3.

4 designates a stopper-cap that is fitted in the bottle-neck 2 and is provided with an interior screw-thread 5. The stopper-cap has projecting from its upper end an angular pouring-nozzle 6, that by reason of its shape prevents the introduction of an implement into the cap 4 for the purpose of manipulating the members within said cap.

7 designates a cup exteriorly threaded and seated within the stopper-cap and engaged with the thread 5 of said member. The cup 7 is provided in its lower end with a liquid-passage orifice 8 and is furnished centrally with a slot 9.

10 designates a pair of retaining-hooks that are connected to the cup 7 by a pivot-pin 11, and the upper ends of which project through the slot 9 in the bottom of the cup 7 and are yieldingly united by a spring 12. This spring serves to hold the upper ends of the retaining-hooks toward each other, and therefore acts to spread the lower prong ends of

the retaining-hooks, so that when the stopper-cap and cup 7 in an assembled condition are introduced into the bottle-neck the prongs of the hooks will move outwardly and engage the bottle beneath the annular shoulder 3 to hold the cup and stopper-cap firmly and securely seated in the neck of the bottle, into which they are placed.

13 designates an applicable washer that is seated on the upper end of the cup 7, and 14 is a disk surmounting said washer, as seen in Fig. I. This disk is provided with a pouring-orifice 15, that is made in a form to furnish a valve-seat, and depending from the disk at the location of said orifice is a tubular leg 16.

17 is a cage surmounting the disk 14 at the location of the orifice 15, and 18 is a valve that fits in said orifice and is guarded by the cage 17. The valve 18 bears a guiding-stem 19, that directs its travel during its movement to and from the seat.

In the use of my bottle when the bottle is inverted the valve 18 moves away from its seat and out of the orifice 15 into the position seen in dotted lines, Fig. III. The contents of the bottle are therefore permitted to flow through the orifice 8 and slot 9 in the cup 7, thereby gaining access to said cup, and from the cup the bottle contents pass into the tubular leg 16, depending from the disk 14, and through the pouring-orifice 15 to enter and flow from the cap 4 and its nozzle. When the bottle is returned to upright position, the valve 18 returns to its seat in the orifice 15, and therefore prevents refilling the bottle.

I claim as my invention—

1. In a non-refillable bottle, the combination of a stopper-cap, means carried by said cap for preventing downward flow therethrough, and a pair of yieldable retaining members pivoted to said stopper-cap-carried means and engaging the bottle-neck, substantially as set forth.

2. In a non-refillable bottle, the combination of an annular shoulder within the bottle, a stopper seated in the neck of the bottle, means for preventing downward flow through said stopper, and a pair of yieldable retaining-

hooks pivoted to said stopper and arranged for engagement with said annular shoulder, substantially as set forth.

3. The combination of a bottle, having an  
5 annular shoulder interior thereof, of a stopper-cap seated in the neck of the bottle, an apertured cup connected to said cap, retaining-hooks pivoted to said cup, a spring connecting said hooks, prongs at the lower ends  
10 of said hooks to engage said shoulder, and a valve within the stopper for preventing downward flow therethrough, substantially as set forth.

4. In a non-refillable bottle, the combination  
15 of a stopper-cap, an apertured cup connected

to said cap, an apertured disk within said cap provided with a tubular leg, and a valve arranged to seat in the aperture in said disk, substantially as set forth.

5. In a non-refillable bottle, the combination 20 of a stopper-cap, an apertured cup connected to said cap, an apertured disk within said cap provided with a tubular leg, a valve arranged to seat in the aperture in said disk, and a cage surmounting said disk and confining said 25 valve, substantially as set forth.

JAMES ST. J. LAMBE.

In presence of—

NELLIE V. ALEXANDER,

BLANCHE HOGAN.