

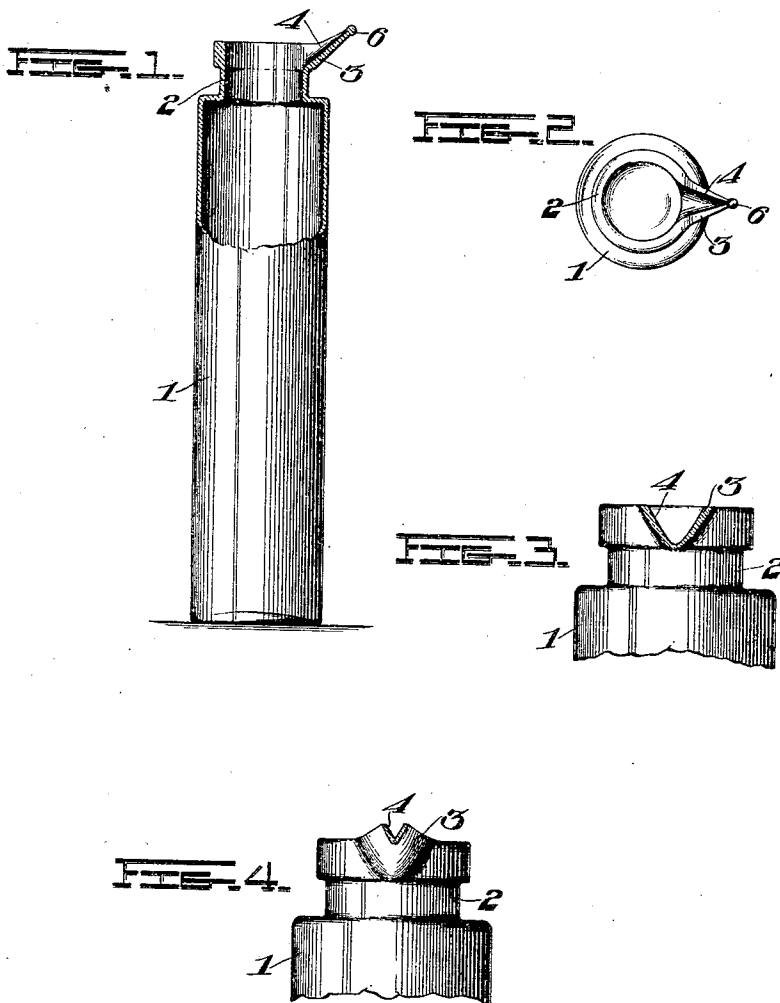
J. F. FAIRCHILD.

BOTTLE.

APPLICATION FILED DEC. 31, 1907.

935,478.

Patented Sept. 28, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN F. FAIRCHILD, OF PELHAM, NEW YORK.

BOTTLE.

935,478.

Specification of Letters Patent. Patented Sept. 28, 1909.

Application filed December 31, 1907. Serial No. 408,735.

To all whom it may concern:

Be it known that I, JOHN F. FAIRCHILD, a citizen of the United States, residing at Pelham, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Bottles, of which the following is a specification.

My invention relates to an improvement in bottles, and it has to do more particularly with means for dropping liquids from bottles.

One of the prevailing objections to so-called "droppers" has been that they have permitted a portion of the liquid to drain down the external surface of the bottle, and the primary object of my present invention is to insure a clean cut drop without undue adhesion to the dropper, and consequent drainage of the residue over the exterior of the bottle. Various plans have been adopted for the accomplishment of this end, as for instance, a groove has been formed bodily in the mouth of the bottle, and a horizontal or downwardly extending spout has been formed upon the edge of the mouth, but the result has been, as previously mentioned, that a portion of the drop has adhered and found its way down on the outer surface of the bottle, which objection my invention seeks to obviate.

With these objects in view, this invention consists in an upwardly inclined slender necked projection, the upper surface of which has an upwardly extending V-shaped groove, the walls of which gradually converge toward the extreme end of the projection.

It further consists of the foregoing with a slight enlargement on the extreme end of the projection.

My invention further consists in certain novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claim.

In the accompanying drawings:—Figure 1 is a view in side elevation, the upper portion of the bottle being in section through the dropper. Fig. 2 is a plan view. Figs. 3 and 4 are cross-sections at different points through the dropper.

The bottle is designated by the numeral 1, and has a neck 2 at the top, and from the upper edge of the neck the dropper extends upwardly at an angle of say about 30° although I do not by any means intend to limit myself to the exact inclination of this dropper, and it comprises a relatively slender neck 3 with a V-shaped groove 4, the inner end of which may be slightly rounded gradually merging into V-shape, at first relatively deep and gradually decreasing in depth with its walls converging until it reaches the outer end of the dropper at which point it terminates in a globule or enlargement of glass 6, preferably spherical in form, the purpose of which is to facilitate the dropping of the liquid, the groove guiding a small quantity of the liquid to the point and dropping it therefrom drop by drop, and in this way the entire contents of the bottle could be dropped.

While I have described a single exemplification of my invention, it is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the exact construction herein set forth, but;

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

As an article of manufacture, a bottle having an inclined spout at its mouth which extends beyond the upper plane of the bottle mouth, this spout being grooved in cross-section and gradually tapering toward the end and provided at the extreme end with an enlargement which projects into the groove of the spout, whereby to insure the dropping of the liquid as it issues from the spout.

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

JOHN F. FAIRCHILD.

Witnesses:

IDA L. SLAWSON,
FRANK D. CLARKE.