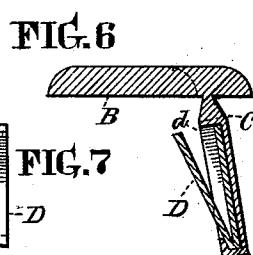
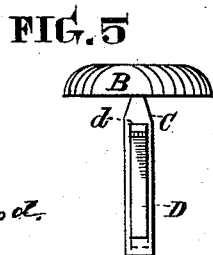
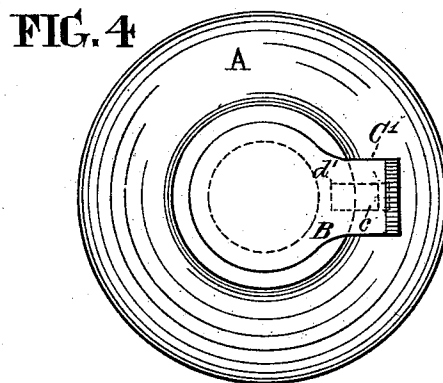
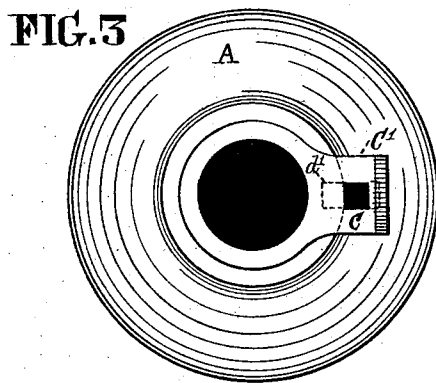
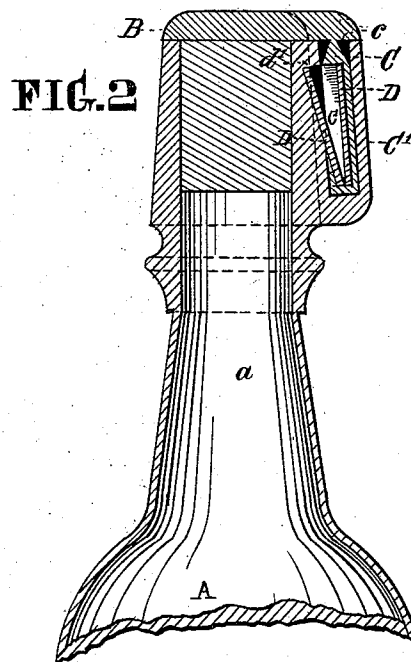
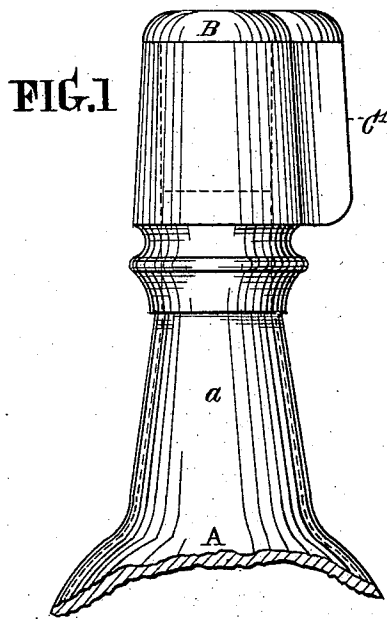


(No Model.)

G. W. SNYDER.
SEAL FOR BOTTLES OR FLASKS.

No. 575,011.

Patented Jan. 12, 1897.



WITNESSES
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GEORGE W. SNYDER, OF PHILADELPHIA, PENNSYLVANIA.

SEAL FOR BOTTLES OR FLASKS.

SPECIFICATION forming part of Letters Patent No. 575,011, dated January 12, 1897.

Application filed August 19, 1896. Serial No. 603,240. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. SNYDER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Seals for Bottles or Flasks, of which the following is a specification.

The invention relates to a seal for closing the orifice of the neck of a bottle or flask which contains liquids, so arranged and combined with the neck, by means of its dependent stem and accompanying spring, that access to the contents of the bottle necessitates the destruction of the seal, thereby effectually preventing a secondary use of the latter; and it consists of a seal so formed upon its external contour as to rest upon and close down upon the surface of the orifice of the neck of the bottle or flask, which is provided with a stem projected from its under surface at the periphery thereof, which extends slightly radially downward into an apartment of corresponding shape formed in an extended or enlarged inclosure integral with the neck, the stem of said seal having a longitudinal recess formed upon the side contiguous to the neck of the bottle, into which one leg of a V-shaped metallic spring rests, the opposing leg of the spring resting in an opposite corresponding recess of the apartment in the neck in such a manner that when the bottle is sealed by the insertion of the stem of the cover and accompanying spring in said apartment the resiliency of the legs of the spring causes them to spread apart from each other when reaching their proper position in the recesses, so that their ends fly into and are shouldered against the upper horizontal ends of said recesses, thereby effectually preventing the withdrawal of the stem from the inclosure, thereby necessitating the detachment of the cover by its fracture from the stem to obtain access to the cork for the purpose of its withdrawal from the neck, as will be more fully described and explained in the following specification and accompanying sheet of drawings, in which—

Figure 1 represents a side view of the neck of a bottle A, having the improvement thereon. Fig. 2 is a vertical section of same. Fig. 3 is a plan view representing the cover B re-

moved from the neck of the bottle. Fig. 4 is a like view representing the cover in position upon the surface of the orifice *a* in the neck of the bottle. Fig. 5 is an elevation showing a front view of the cover B and stem C with the spring D when detached from connection with the bottle. Fig. 6 is a vertical section of the cover B, stem C, and spring D, taken at right angles to that shown in the preceding view. Fig. 7 is a face view of the spring D.

Like letters of reference in all the figures indicate the same parts.

In the drawings the neck portion *a* of the upper part of the bottle A is represented, and integral therewith is the inclosure or apartment C', having a passage-way *c*, (seen in Figs. 2 and 3,) that extends downward at a slight angle outward from a perpendicular line nearly to the base of said inclosure.

B is the cover, resting upon the end and covering the orifice of the neck. Integral with the cover and extended downward at a slight angle to correspond with the passage-way *c* of the neck *a* is the stem C. At the point of junction of this stem, which is attached near the periphery of the cover, (see Figs. 2, 5, and 6,) the material of which the stem is composed is beveled off to make but a slight point of contact with the cover or cap-piece B, whereby, when desired, the cover may be broken from connection with stem C, leaving the latter intact in its position in the passage-way *c* of the extended portion C' of the neck, where it is prevented from being withdrawn by the resistance offered by the expanded legs of the spring D, whose upper ends rest and bear against the shoulder *d* of the stem C and the opposite corresponding shoulder *d'* of the neck of the bottle.

The method of attachment and use is as follows: The bottle being filled with liquor or other merchantable commodity, the cork E (see Figs. 1 and 2) is inserted in the neck, its upper end surface being in line with the rim of the neck, then a spring D is placed in the recess *e* of the stem C (seen clearly in Fig. 6 of the drawings) with its lower united end resting in the lower end of the recess, when said stem is inserted and pressed down into the passage-way *c* of the neck *a*. As it becomes seated the legs of the spring spread

apart by reason of their resiliency and assume the position seen in Figs. 2 and 6 of the drawings, their free ends resting under the shoulders d d' of the opposing recesses e e' of the stem and neck, securely locking the cover thereon.

In the event of an attempt to remove the stem the neck of the bottle would be destroyed by reason of the spring constantly preventing access to the former.

I claim as my invention—

The bottle A, having the integral apartment extended laterally from the neck a , said apartment being provided with a passage-way c , extending downward therein said pas-

sage having a shoulder d , upon its upper end, in combination with a spring D, adapted to spread and fill said recesses, whereby the upper ends thereof rest respectively under the shoulders d , d' , of said recesses, whereby the stem is secured within the passage, thereby securing the cover B, upon the surface of the rim of the neck a , of the bottle, substantially in the manner shown and described for the purpose set forth.

GEORGE W. SNYDER.

Witnesses:

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