(No Model.)

F. W. PERRY.

COLLAPSIBLE CUP AND BOTTLE STOPPER.

No. 450,838. Patented Apr. 21, 1891.

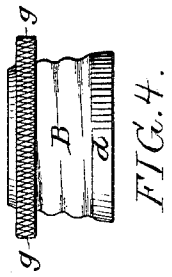


FIG. 4.

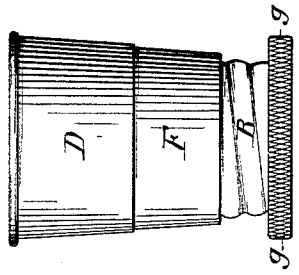


FIG. 3.

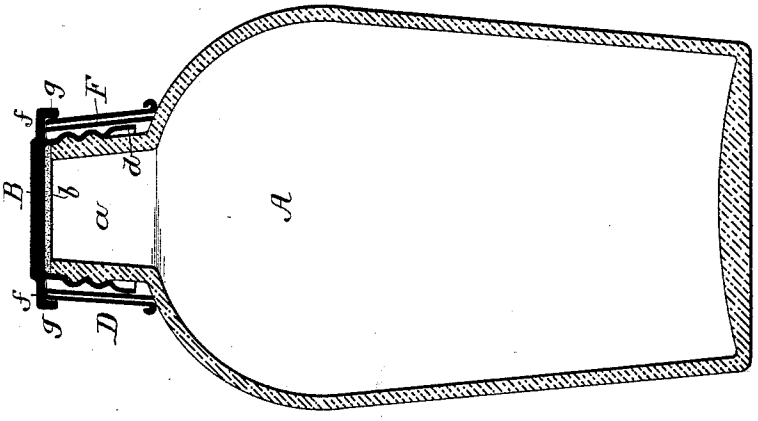


FIG. 2.

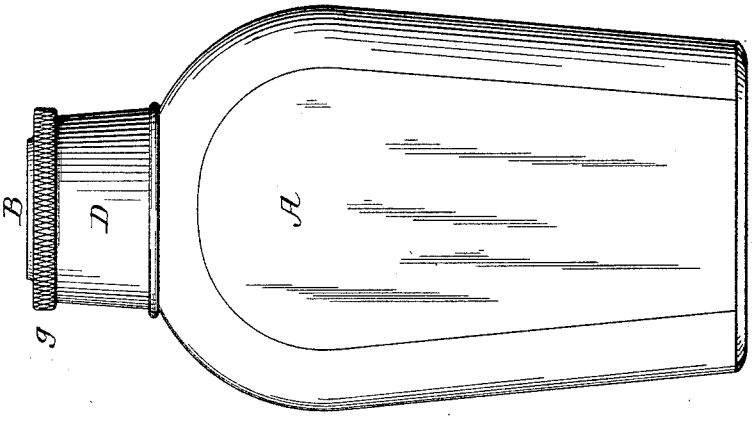


FIG. 1.

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THE MORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FRANK W. PERRY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE HERO FRUIT JAR COMPANY, OF SAME PLACE.

COLLAPSIBLE CUP AND BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 450,838, dated April 21, 1891.

Application filed February 16, 1891. Serial No. 381,636. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. PERRY, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in a Combined Collapsible Cup and Bottle-Stopper, of which the following is a specification.

The object of my invention is to provide a simple form of combined collapsible cup and stopper for drinking-flasks; and this object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a side view of a drinking-flask with combined collapsible cup and stopper constructed in accordance with my invention. Fig. 2 is a sectional view of the same. Fig. 3 is a view of the cup detached from the flask and extended for use; and Fig. 4 is a side view of the screw-cap forming part of the cup.

In Figs. 1 and 2, A represents an ordinary form of drinking-flask having a screw-threaded neck *a*, to which is adapted a screw-threaded sheet-metal stopper B, having an internal packing *b*, of cork or like material, to insure a tight joint. The cap is slightly flared from top to bottom, and has at the lower edge beyond the screw-thread a plain rim portion *d*, the top of the cap having a projecting flange *f* with outer depending rib *g*.

Surrounding the cap when the latter is applied to the flask are two tapering rings D and F, which are confined between the body of the flask and the flange *f* of the cap, as shown in Figs. 1 and 2; but when the cap has been removed from the flask these rings can be extended—that is to say, the ring D can slide forward on the ring F and the latter upon the cap B, so as to form a drinking-cup, as shown in Fig. 3, the contracted end of the outer ring D fitting snugly to the large end of the ring F and the contracted end of the latter fitting snugly to the plain rim *d* of the cap B.

It will thus be seen that the sections of the drinking-cup cannot at any time be detached from the cap, as separation of the sections in one direction is prevented by their bearing upon one another, and separation of the rings from the cap in the opposite direction is prevented by the flange *f* of said cap.

A single ring F only may be used in some cases, although the use of the two rings is preferred.

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

1. The within-described screw-cap and drinking-cup for flasks, the same consisting of one or more tapering rings combined with a screw-cap having beyond the threaded portion a plain flaring rim constructed to seat in the contracted end of the surrounding ring, and at the top a projecting flange constructed to prevent removal of said ring or rings, substantially as specified.

2. The within-described screw-cap and drinking-cup for flasks, the same consisting of one or more tapering rings combined with a screw-cap having beyond the threaded portion a plain flaring rim constructed to seat in the contracted end of the surrounding ring, and at the top a projecting flange constructed to prevent removal of said ring or rings, said flange having an outer depending rib, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANK W. PERRY.

Witnesses:
EUGENE ELTERICH,
HARRY SMITH.