C. NEWMAN.

BOTTLE AND CUP STOPPERS.

No. 183,322. Patented Oct. 17, 1876.

Fig. 1

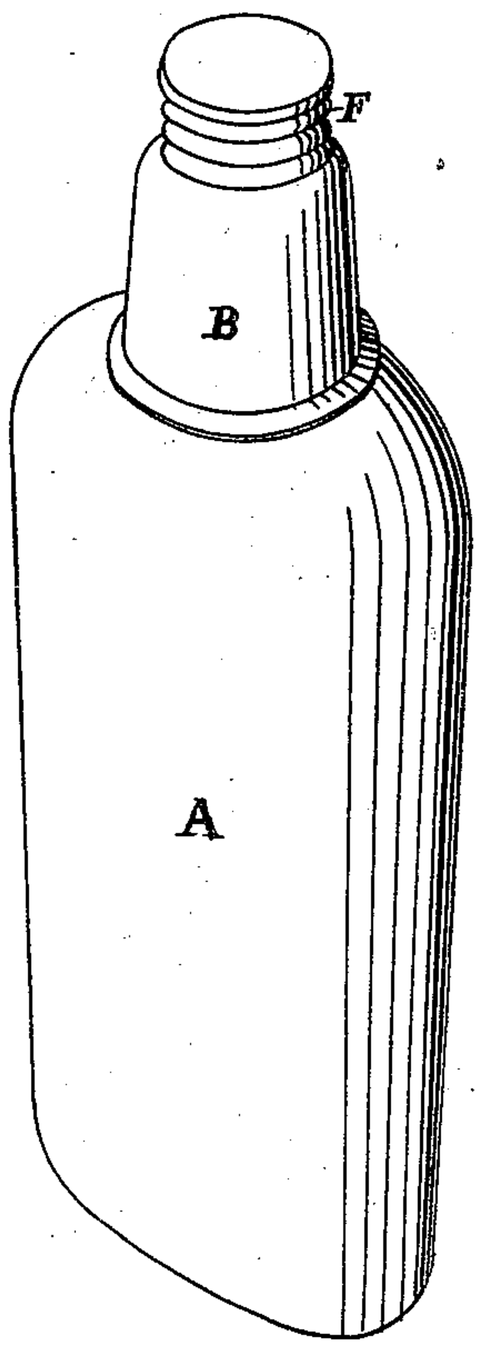
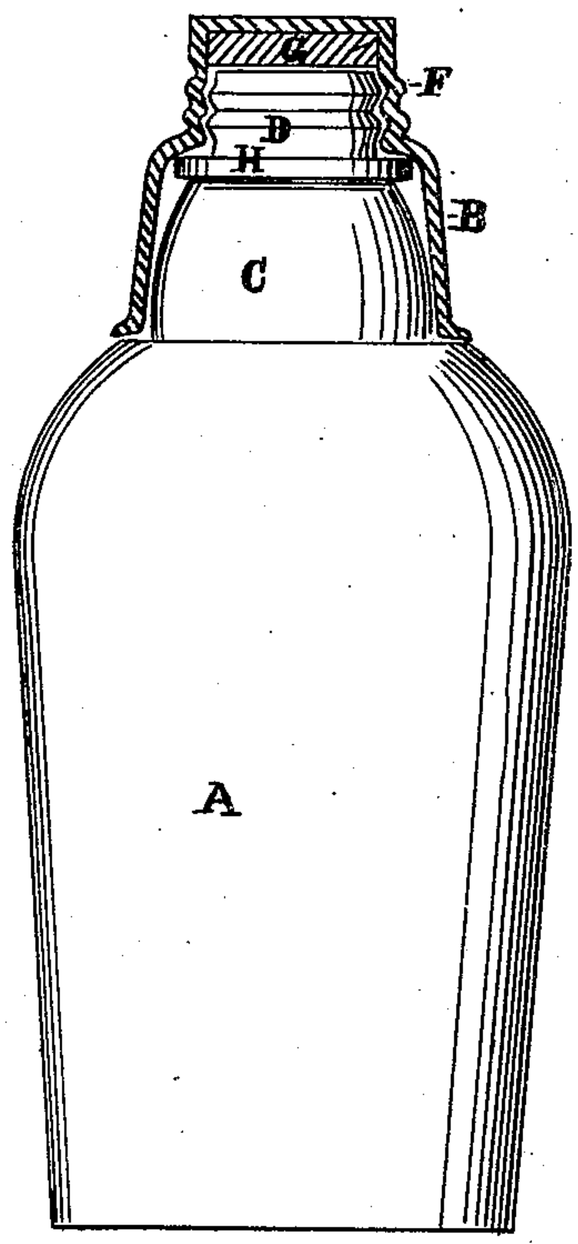


Fig. 2



Witnesses

S. L. Boone

Owyn T. Stacy

Inventor

Carlton Newman

by Dewey & Co

Attys

UNITED STATES PATENT OFFICE.

CARLTON NEWMAN, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN BOTTLE AND CUP STOPPERS.

Specification forming part of Letters Patent No. **183,322**, dated October 17, 1876; application filed September 9, 1876.

To all whom it may concern:

Be it known that I, CARLTON NEWMAN, of the city and county of San Francisco, and State of California, have invented an Improved Bottle and Cup Stopper; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings.

The first part of my invention relates to an improved method of applying a cup-stopper to the mouths and necks of bottles or flasks; and the second part relates to an improvement in the bottles or flasks themselves, by which I increase their capacity, and at the same time adapt them to the shape of the cup, all as hereinafter described.

Referring to the accompanying drawings, Figure 1 is a perspective view of a bottle with stopper. Fig. 2 is a view of a bottle with the section of stopper.

Let A represent a bottle or flask, or other equivalent liquid-containing vessel. B is my improved cup-stopper. In constructing the bottle or flask A I provide it with a bulging neck, C, which will fit the bell-shaped mouth of the cup B, and above this enlarged neck I make a short neck, D, which is provided with external screw-threads, as shown. The cup B I make to conform to the shape of the short neck D and enlarged neck C of the bottle—that is, the mouth of the cup is flaring or bell-shaped, so as to fit the swell of the enlarged neck, while the base F of the cup is made to fit the short neck D of the bottle, and is supplied with female screw-threads corresponding with the screw-neck, so that when the cup is turned upside down over the neck of the bottle the short neck D can be screwed into the base of the cup.

In the bottom of the base F of the cup I place a cork, G, against which the mouth of the bottle will press and make a tight joint when the cup is firmly screwed down; or an india-rubber ring, H, may be drawn over the short neck D, so as to fit upon the shoulder formed by the swell of the enlarged neck C. When the cup is screwed on the ring will form a packing by fitting against the swell at the base of the cup. Either of these devices can be used, as preferred.

By making the bottle or flask with an enlarged neck, C, so that it will fill the mouth of the cup, I not only increase the capacity of the bottle, but conform the shape of that part of the bottle to the shape of the cup, and thus avoid the recesses and projecting edges which would otherwise be formed on each side of the bottle, and which are common on other bottles and flasks having cup-stoppers. I therefore competely protect the mouth of the cup from dust and dirt, and at the same time the bottle is not so liable to be broken as when the cup projects on each side.

Having thus described my invention, I claim—

1. The bottle or flask A, provided with the screw-neck D, in combination with the cup B, the bottom of which is provided with female screw-threads corresponding with the screw-threads of the neck D and the cork G, substantially as and for the purpose described.

2. The cup-stopper B, consisting of the screw-threaded base and flaring mouth, in combination with the bottle or flask A, having the short screw-threaded neck D and enlarged neck C, the latter of which corresponds in shape with the shape of the mouth of the cup, substantially as and for the purpose described.

In witness whereof I have hereunto set my hand and seal.

CARLTON NEWMAN. [L. S.]

Witnesses:

OLWYN T. STACY,

FRANK A. BROOKS.