

(No Model.)

A. C. McALPIN.

COMBINED CUP, FUNNEL, AND STOPPER SECURER.

No. 518,530.

Patented Apr. 17, 1894.

FIG. 1.

FIG. 2.

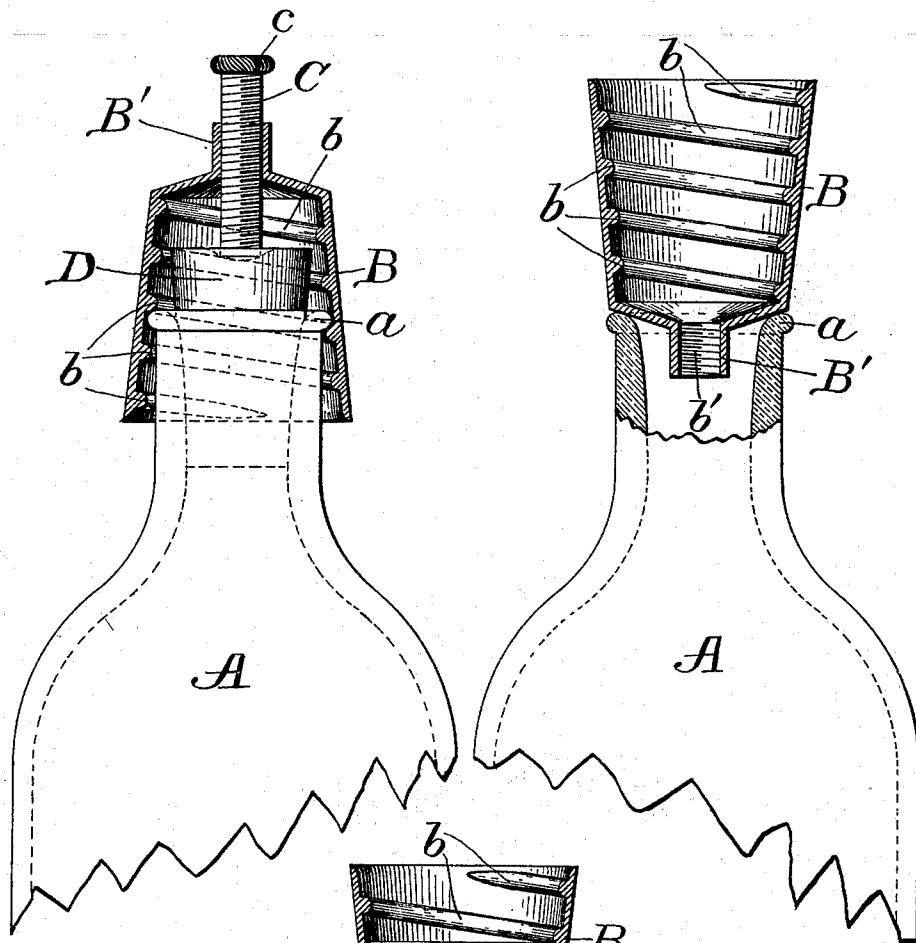
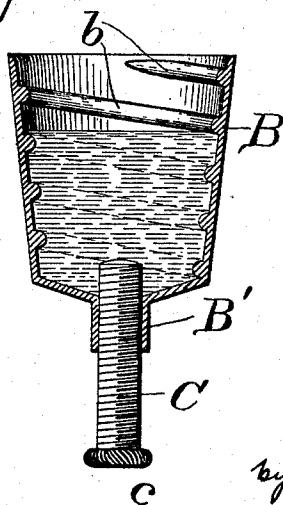


FIG. 3.



Witnesses

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# UNITED STATES PATENT OFFICE.

AARON C. MCALPIN, OF GUYTON, GEORGIA.

## COMBINED CUP, FUNNEL, AND STOPPER-SECURER.

SPECIFICATION forming part of Letters Patent No. 518,530, dated April 17, 1894.

Application filed November 14, 1893. Serial No. 490,897. (No model.)

*To all whom it may concern:*

Be it known that I, AARON C. MCALPIN, a citizen of the United States, residing at Guyton, in the county of Effingham and State of Georgia, have invented certain new and useful Improvements in a Combination Cup, Funnel, and Stopper-Securer; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a combined cup, funnel, and stopper securer for use in connection with bottles containing liquids of any description, and it consists of certain novel features hereinafter described and claimed.

Reference is had to the accompanying drawings, in which the same parts are indicated by the same letters throughout the several views.

Figure 1 represents the improved device when used as a stopper securer, or for holding the stopper firmly in place. Fig. 2 represents the device when used as a funnel, and Fig. 3 represents the device when used as a cup.

All three figures represent central longitudinal sections of the device.

A represents the bottle provided with the ordinary bead *a* around the neck thereof.

B represents a thimble-shaped cup, which may be made of metal, gutta percha, hard wood or other suitable material. This cup is provided on its interior with a coarse screw thread *b* which may extend throughout the length of the cup as shown in the drawings, or may be limited to a portion of the interior. This cup B is provided with a cylindrical aperture *B'* in the bottom thereof, screw-threaded as at *b'* so as to engage the screw C. This screw C has a milled head *c* so that it may be conveniently turned by hand.

D shown only in Fig. 1 represents the cork or stopper for the bottle A.

When used as a stopper securer, or when simply attached to the bottle for convenience of transportation and use, the device is applied as shown in Fig. 1. That is, the screw C is run out of the nut *B'* a sufficient distance, and the cup B is screwed down over the

neck of the bottle until the bead *a* engages the screw threads *b*. Now, if the screw C be screwed down to firmly compress the cork D, the cork will be secured in place against possible falling out or leakage, and at the same time the cup will be held firmly on the neck of the bottle. In order to detach the cup ease up on the screw C and unscrew the cup B from the neck of the bottle, when the device will be ready for use as a drinking cup as shown in Fig. 3.

In order to use the device as a funnel, simply take out the screw C, and place the cup B on the neck of the bottle as shown in Fig. 2.

It will thus be seen that the herein described device provides an exceedingly convenient attachment for bottles containing medicine, liquor, and other articles ordinarily carried upon the person, or in one's baggage. It will also be seen that where bottles of wine or other liquid are to be kept for a long period unopened, the herein described device furnishes an additional safeguard against the blowing out of the cork, or leakage through it, and moreover affords a protection against the insects which destroy corks.

It will be evident that if the cup be affixed to the bottle, as shown in Fig. 1, and then melted rosin or sealing wax be poured into the base thereof, the bottle being in the meantime reversed, an exceedingly strong and durable seal will be provided; or the whole cup may be filled with plastic material, with the top open, and screwed down in place, and allowed to cool, the pressure being relieved by easing up in the screw C. In this way an exceedingly strong, tight, and permanent seal may be obtained.

Having the cup B tapering as shown, enables the same cup to be used with different sized necks of bottles, and thus renders the herein described device specially adaptable for use where medicine and other bottles of various sizes are employed *seriatim*, one size of device being sufficient for many sizes of bottles.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

A combined cup, funnel, and stopper se-  
curer consisting of a cup having its interior  
in the form of a truncated cone and having a  
coarse screw thread on said interior adapted  
5 to engage the bead on the neck of the bottle,  
with a screw-threaded outlet in the base of  
said cup; and a screw adapted to engage in  
said screw-threaded outlet, and to project

into said cup, substantially as and for the  
purposes described.

In testimony whereof I affix my signature in 10  
presence of two witnesses.

AARON C. McALPIN.

Witnesses:

ERVIN REMLEY,  
E. M. HUNTER.