

No. 868,914.

PATENTED OCT. 22, 1907.

H. W. DAWSON.
CORK FOR STOPPERING BOTTLES OR THE LIKE.
APPLICATION FILED MAY 25, 1907.

FIG. 1.

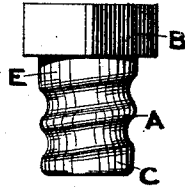


FIG. 2.

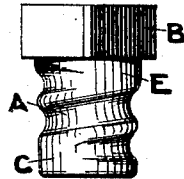


FIG. 3.

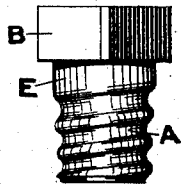


FIG. 5.

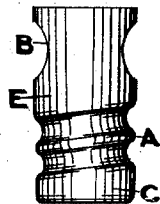
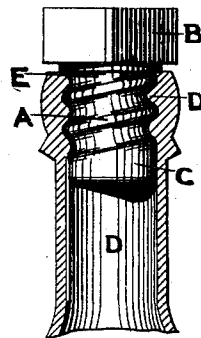


FIG. 4.



WITNESSES

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CORK FOR STOPPERING BOTTLES OR THE LIKE.

No. 868,914.

Specification of Letters Patent.

Patented Oct. 22, 1907.

Application filed May 25, 1907. Serial No. 375,641.

To all whom it may concern:

Be it known that I, HERBERT WILLIAM DAWSON, a subject of the King of Great Britain, residing at Portalegre, in the Kingdom of Portugal, have invented new and useful Improvements in Corks for Stoppering Bottles or the Like, of which the following is a specification.

This invention relates to stoppers or corks for stoppering bottles, such as are manufactured exclusively of cork-wood.

According to my invention I cut or otherwise form a screw thread upon the body of the cork stopper, said thread to commence gradually a suitable distance from the head of the cork, and gradually terminate so as to leave a straight portion at each end of the body of the cork. Or if desired the thread may continue and terminate with the bottom of the cork. These corks are specially suitable for the fermented liquor trade, and are intended to supplant the hard-wood or composition stoppers now employed. I attain this result in the manner illustrated by the accompanying drawings, in which—

Figure 1 shows an elevation of cork-wood-stopper manufactured according to my invention. Fig. 2 is an elevation of the reverse side of Fig. 1, showing the commencement and termination of the screw thread. Fig. 3 is a modification of Fig. 1. Fig. 4 is a sectional elevation of a portion of a screw-necked bottle, showing my improved stopper applied. Fig. 5 shows my invention applied to a cork with concave recesses in its top or head.

Similar letters refer to similar parts throughout the several views.

In constructing stoppers according to my invention I manufacture the same of cork-wood only, and with a square or flat sided head. Upon the body of the cork which may be cylindrical or slightly taper, I cut or form a screw thread A commencing gradually a suitable distance below the head B, and gradually terminating a suitable distance from the bottom of the cork. The straight portion C at the bottom of the cork is compressed and forced beyond the screwed portion of

the bottle neck D by the threaded portion A of the cork, where it again expands and gripping the sides of the bottle neck forms an effectual seal.

The straight portion E above the screw and adjoining the head of the cork, is more or less compressed and forced into the top of the bottle neck in like manner, and serves as an additional seal. Or the screw thread upon the cork may continue to the bottom, see Fig. 3, but in this case I prefer to increase the length of the straight portion adjoining the head of the cork.

It is the straight portions which provide the most effectual seal, but the screwed portion which is itself slightly compressed during the insertion of the cork within the bottle also assists towards this end, and in addition serves as a lock against any expansive pressure from within the bottle forcing out the stopper.

The corks are also treated with sterax in the usual way.

Corks constructed according to my invention are specially suitable for stoppering beer bottles, or other bottles containing fermented liquids, they are more sanitary than stoppers made of any other material, are more effectual seals than hard-wood or composition stoppers, are cheaper, and being easily and quickly removed or replaced by hand, may be used as frequently and are quite as durable as the latter.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A bottle stopper formed of elastic material and provided with a permanently screwthreaded portion, and having also a part normally without any screwthread which has a screwthread pressed into it by contact with the screwthreaded neck of the bottle when inserted therein.
2. A bottle stopper formed of elastic material and provided with a permanently screwthreaded portion, and having also two parts arranged one at each end of the said screwthreaded portion which are normally without any screwthreads and which have screwthreads pressed into them by contact with the screwthreaded neck of the bottle when inserted therein.

HERBERT WILLIAM DAWSON.

Witnesses:

ALBERT H. MASCONAHOS,
R. H. KINCHANT.