

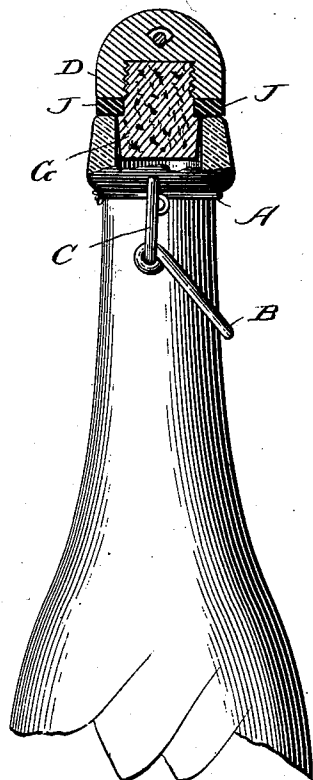
(No Model.)

C. BILD.  
BOTTLE STOPPER.

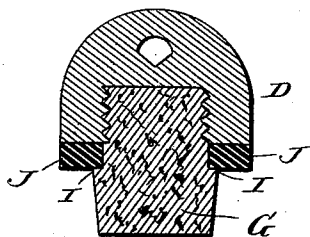
No. 595,690.

Patented Dec. 21, 1897.

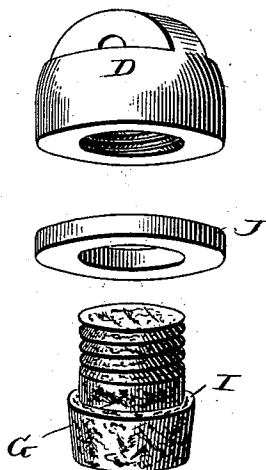
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

CHARLES BILD, OF WASHINGTON, DISTRICT OF COLUMBIA.

## BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 595,690, dated December 21, 1897.

Application filed May 20, 1897. Serial No. 637,322. (No model.)

### *To all whom it may concern:*

Be it known that I, CHARLES BILD, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Bottle-Stoppers, of which the following is a full, clear, and exact description.

My invention relates to an improvement in bottle-stoppers; and it consists in a metallic cap which is loosely connected by suitable means to the bottle, and which has a suitable screw-threaded recess made in its under side combined with a cork provided with a shoulder and which is screwed into the cap, and a washer of suitable material placed between the shoulder upon the cork and the bottom of the cap, as will be more fully described hereinafter.

The object of my invention is to provide a bottle-stopper for closing bottles containing beer and other gaseous liquids, and which while it forms a perfect seal upon the mouth of the bottle does not alter the taste of the contents, and which may be used over and over and when the cork is worn out may be quickly replaced by another.

In the accompanying drawings, Figure 1 is a vertical section taken through a bottle and stopper which embodies my invention. Fig. 2 is an enlarged vertical section of the stopper. Fig. 3 is a perspective of the several parts in detail.

A represents the wire which is applied to the neck of the bottle, B the operating-lever, and C the bail connected to the lever and to which the metallic cap D is attached in the usual manner. The operating mechanism for the cap, here shown, is old, and to this no special claim is made. Either this construction of operating parts may be used or any other that may be preferred.

The cap D has a suitable recess made in its under side, and this recess is threaded, so as to receive the upper reduced end of the cork G, which is screwed therein. This cork has its upper end reduced in size, so as to form the shoulder I, and upon the top of this shoulder is placed a suitable washer J, of rubber or any other elastic material that may be preferred. After the upper end of the cork has been reduced in size the washer is forced down upon the shoulder I and then the cork

is screwed into the recess in the cap until the washer is securely held between the shoulder and the bottom of the cap. This washer is of greater diameter than the cork, and hence projects outwardly a sufficient distance to fit over the top of the mouth of the bottle, as shown, so as to form an absolutely-tight joint against the escape of gas. This washer does not come in contact with the liquid in the bottle, and hence will not impart an unpleasant taste thereto.

The special object of my invention is to attach a cork, which does not change the flavor or impart an unpleasant taste to the bottled liquid, to the metallic cap, so that the cork will come in contact with the liquid and close the bottle against its escape. The washer is used as an additional precaution and forms an absolutely-tight joint against the escape of the gas.

One special advantage consists in making the cork readily detachable from the cap, so that after the cork has become worn out it can readily be replaced by another.

By means of the construction here shown the cork is applied to and used in connection with bottle-stoppers of different constructions and all possibility of the liquid in the bottle becoming tainted by contact with the rubber is entirely done away with, and a stopper is thus provided which is unequalled in durability, efficiency, and simplicity by any stopper on the market.

Having thus described my invention, I claim—

In a bottle-stopper, a metallic, or other suitable cap, provided with a screw-threaded recess in its under side, combined with a shouldered cork which is screwed into this recess, and a flexible washer that is secured in position between the cap and the shoulder on the cork, and which washer is made to bear upon the top edge of the bottle, and a suitable mechanism connected to the neck of the bottle for compressing the washer between the mouth of the bottle and the cap, substantially as shown and described.

CHARLES BILD.

Witnesses:

HENRY BAUM,  
FRANKLIN BILD.