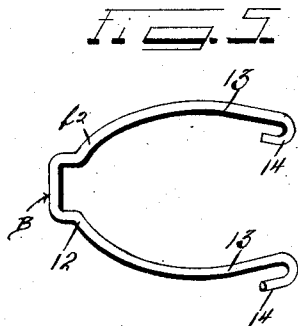
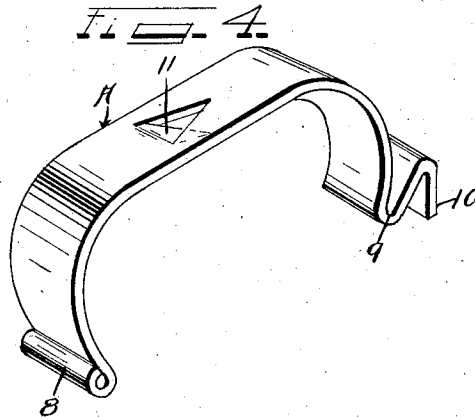
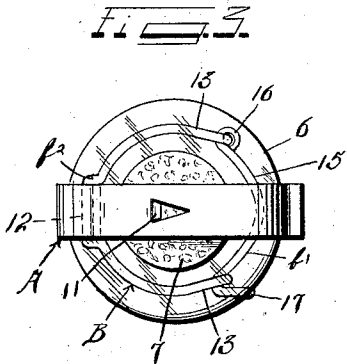
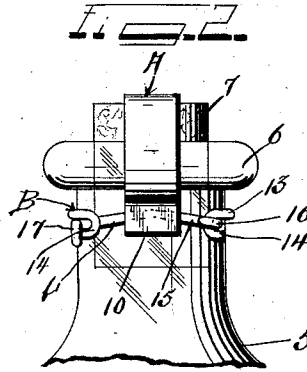
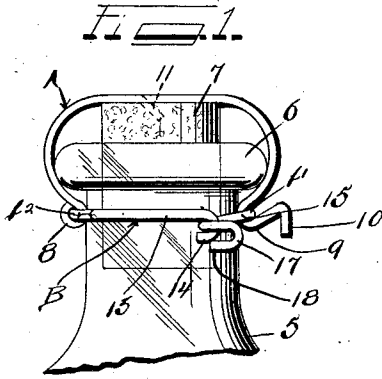


C. D. DAVIS.
BOTTLE STOPPER.
APPLICATION FILED MAY 20, 1912.

1,047,761.

Patented Dec. 17, 1912.



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES D. DAVIS, OF ELK GROVE, CALIFORNIA.

BOTTLE-STOPPER.

1,047,761.

Specification of Letters Patent.

Patented Dec. 17, 1912.

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To all whom it may concern:

Be it known that I, CHARLES D. DAVIS, a citizen of the United States, residing at Elk Grove, in the county of Sacramento, State of California, have invented certain new and useful Improvements in Bottle-Stoppers; 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.

This invention relates to bottle stopper fastening devices, and has for its principal object to provide a fastener for the purpose described, which is capable of being readily attached to or detached from the neck of a bottle, and which when in the former position will securely hold the stopper against accidental displacement.

Another object of the invention is to provide a fastener of the character described, which is composed of a minimum number of parts, is therefore simple in construction, and is cheap to manufacture.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended; it being understood that various changes in form, proportion, size and minor details of construction within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing: Figure 1 is a side view of a portion of a bottle showing the application of my invention, Fig. 2 is a front view of the same, Fig. 3 is a top plan view, Fig. 4 is a perspective view of the bail, and Fig. 5 is a perspective view of the neck band.

Like reference numerals designate corresponding parts in all the figures of the drawings.

Referring to the drawing, 5 designates a bottle neck having a bead 6 formed thereon, and having a stopper 7 located in the mouth of said neck.

My invention comprises a bail A and a neck band B. The bail is formed from a flat piece of metal, and has one end bent to form a bearing 8, the other end of the bail being rebent as indicated at 9, and terminating in a downwardly extending portion 10. Stamped from the central portion of the

body of the bail is a downwardly extending V-shaped tooth 11 adapted to engage the stopper 7. It will be observed that the bearing 8 and the rebent portion 9 of the bail, are disposed on diametrically opposite sides of the neck 5 below the bead 6 of the bottle.

The neck band consists of two members b^1 and b^2 . The member b^2 is of U-shaped formation, and preferably formed of wire, the bight 12 thereof being disposed in the bearing 8 of the bail and the legs 13—13 being disposed on opposite sides of the neck 5 of the bottle, said legs 13 terminating in downwardly extending rebent ends forming hooks 14—14, which are spaced apart. The member b^1 of the neck band is also formed from a piece of wire, and has a curved body portion 15 having a hook 16 formed at one end for engagement with one of the hooks 14 of the member b^2 . The other end of the body portion 15 terminates in a hook 17, and this hook terminates in a downwardly extending finger-piece 18, said hook 17 being adapted for detachable engagement with the other hook 14 of the member b^2 . The rebent portion 9 of the bail A engages the body portion 15 of the member b^1 of the neck band.

From the foregoing, it will be observed that upon drawing the members b^1 and b^2 together, the hook 17, by means of the finger-piece 18, can be disengaged from its corresponding hook 14 of the neck band member b^2 .

In attaching this fastener the hook 17 and its corresponding hook 14 can be quickly engaged with each other, and by means of the tooth 11 of the bail, the stopper 7 can be held against accidental displacement, the tooth 11 serving to prevent any tendency of the fastener from rotary movement.

What is claimed is:—

1. In combination with a bottle neck having a head, of a stopper disposed within the neck, and means for detachably locking the stopper against displacement, said means consisting of a neck band comprising two members, one of the members being of U-shaped formation and having its ends rebent to form hooks, the other member consisting of a body portion having a hook formed at one end for engagement with one of the hooks of the first mentioned member and the other end terminating in a hook for engagement in the other hook

of the first mentioned member, one of the hooks of the last mentioned member terminating in a finger-piece, and a bail formed from a flat piece of metal and having its ends bent to form bearings for respectively engaging the members of the neck band.

2. In combination with a bottle neck having a head, of a stopper disposed within the neck, and means for detachably locking the stopper against displacement, said means consisting of a neck band comprising two members, one of the members being of U-shaped formation and having its ends bent to form hooks, the other member consisting of a body portion having a hook formed at one end for engagement with one of the hooks of the first mentioned member

and the other end terminating in a hook for engagement with the other hook of the first mentioned member, one of the hooks of the last mentioned member terminating in a finger piece, and a bail formed from a flat piece of metal and having its ends bent to form bearings for respectively engaging the members of the neck band, said bail being centrally stamped with a depending tooth for engaging the stopper to prevent rotation of said locking means.

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

CHARLES D. DAVIS.

Witnesses:

F. C. DESMOND,
W. E. TRAINOR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents Washington, D. C."