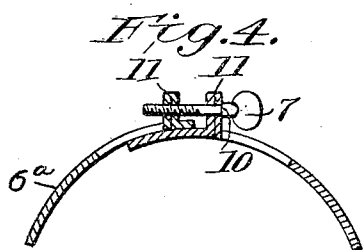
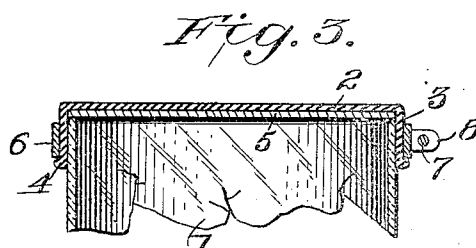
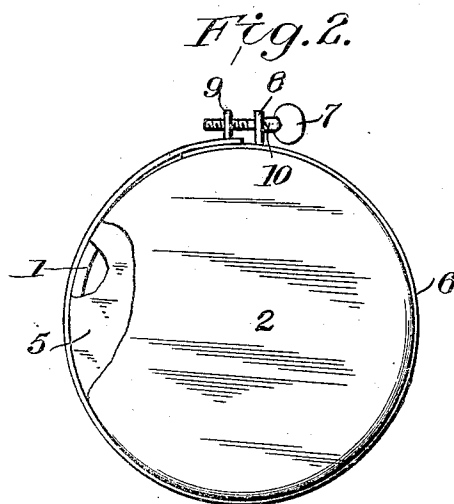
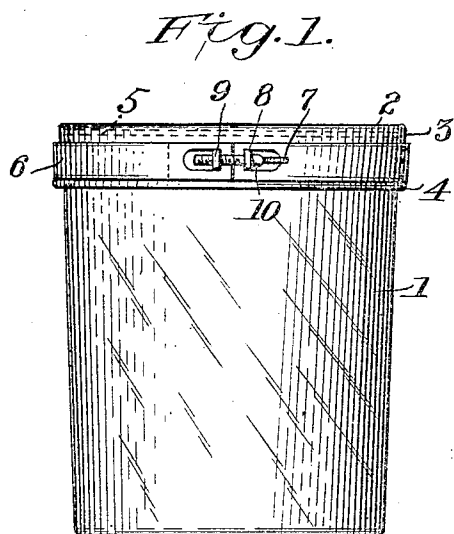


J. C. SCHLEICHER.
CLOSURE FOR VESSELS.
APPLICATION FILED APR. 24, 1909.

948,347.

Patented Feb. 8, 1910.



Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

JOHN C. SCHLEICHER, OF MOUNT VERNON, NEW YORK.

CLOSURE FOR VESSELS.

948,347.

Specification of Letters Patent.

Patented Feb. 8, 1910.

Application filed April 24, 1909. Serial No. 491,909.

To all whom it may concern:

Be it known that I, JOHN C. SCHLEICHER, a citizen of the United States, residing at Mount Vernon, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Closures for Vessels, of which the following is a specification.

My invention relates to closures for vessels, adapted, for effecting an air tight seal of the same.

It has for its object to provide a simple, durable, inexpensive and reliable closure of the character set forth, which is capable, by hand or otherwise, of being easily and quickly applied and firmly secured to a vessel to preserve its contents from deterioration, waste, dirt or other foreign matter and which is capable, with equal facility, of being removed to allow the contents of the vessel to be withdrawn, thereby affording reliable means for preserving the contents of a vessel indefinitely or for temporarily protecting the contents of a vessel which are intended for immediate consumption, such for instance as all kinds of drinks sold at picnics, summer resorts, boats or other places where there are no conveniences for keeping the ordinary drinking glasses or vessels clean or in a sanitary condition.

In the drawings illustrating my invention: Figure 1 is a side view of a tumbler having my invention applied, Fig. 2 a top plan view partly broken away, Fig. 3 a fragmentary vertical sectional view, Fig. 4 a fragmentary detail view of the band having a modified form of ears.

Referring to the drawings in which like reference characters designate corresponding parts, 1 designates a vessel, viz.; a plain glass tumbler, over the mouth of which is placed a cover 2, made of rubber or other elastic material, provided with an integral flange 3 stretched around and closely embracing the upper end of the tumbler and having a shoulder 4 on its edge.

A disk 5, made of card board and treated to make it air and water proof or a disk of some other material in itself air and water proof, is removably retained inside the cover and bears on the top edge of the tumbler, this disk serving as a washer to make a tight joint and to prevent the contents of the tumbler from coming into contact with the cover, thus protecting it from injury and also serving to hold the cover distended

to the proper extent, the size of the disk depending upon the size of the cover required, and thus providing means for converting the cover, within certain limits, to different sizes and to the required size before placing it on the tumbler.

A band or clamp 6, of spring metal, is placed around the flange of the cover, with its ends overlapping in a vertical plane, and drawn tightly against it by means of a screw 7 passing through a plain eye in an ear 8 on one end of the band and a threaded eye in an ear 9 on the other end of the band and provided with a shoulder 10 bearing against the ear 8, the ears being cut and turned up from the band. By this construction it will be evident that when the screw is turned in the direction to draw the ears toward each other the band will be tightened, clamping the flange of the cover to the tumbler all around and making an air and water tight joint and that when the screw is turned in the opposite direction it will be aided by the spring action of the band in causing the ears to move away from each other and the band to release the cover. Referring to the modification shown by Fig. 4, this form of ear only differs from that of Figs. 1 to 3 inclusive, in that in this instance the ears, after being cut and turned up from the band, are bent upon themselves to give additional thickness and strength.

It will also be evident, that by reason of the ends of the band overlapping, the flange of the cover will be clamped closely and evenly against the tumbler all around, while if a space was left between the ends of the band the flange would wrinkle at that point and prevent a water and air tight joint.

I do not desire to be understood as limiting myself to the specific details of construction and arrangement as herein described and illustrated, as it is manifest that variations and modifications may be made in the features of construction and arrangement, in the adaptation of the device to various conditions of use without departing from the spirit and scope of my invention and improvements, I therefore reserve the right to all such variations and modifications as properly fall within the scope of my invention and the terms of the following claims.

What I claim is:

In a closure for vessels, a cover adapted to fit over and around the exterior of the top of the vessel, a band adapted to extend

around said cover and clamp it to said vessel, the ends of said band overlapping and being provided with integral ears having eyes, said ears being formed by tongues cut
5 out and turned up from said band and their ends turned down and engaging the slats formed in the band by cutting the tongues therefrom, and a screw adapted to engage said eyes and secure the ends of the band to-

gether and clamp it around the cover, substantially as described. 10

In testimony whereof, I have signed my name, in the presence of the subscribing witnesses.

JOHN C. SCHLEICHER.

Witnesses:

E. H. NORTHRUP,
J. THSAN.