



# UNITED STATES PATENT OFFICE.

THOMAS TULLY, OF SPRINGFIELD, ILLINOIS, ASSIGNOR TO HIMSELF AND  
WILLIAM H. DOAN, OF CLEVELAND, OHIO.

## IMPROVEMENT IN CORKS, STOPPERS, OR BUNGS FOR CANS, BARRELS, &c.

Specification forming part of Letters Patent No. **189,073**, dated April 3, 1877; application filed  
August 28, 1876.

*To all whom it may concern:*

Be it known that I, THOMAS TULLY, of Springfield, in the county of Sangamon and State of Illinois, have invented certain new and useful Improvements in Corks, Stoppers, or Bungs for Cans, Barrels, &c.; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to corks, stoppers, or bungs, and to the bushing for the outlets, openings, or bung-holes of cans, barrels, packages, and the like. It consists in the parts and combination of parts hereinafter described and claimed.

In the drawing, Figure 1 represents a longitudinal section of a bung or stopper and a bushing according to my invention. Fig. 2 is a transverse section thereof.

A represents the cork, stopper, or bung, constructed of any suitable material, preferably of wood, and turned to the required shape. B represents a cap or covering for the bottom and sides of the cork, stopper, or bung, formed of material of a yielding nature, such as soft metal, rubber, or other substance of said before-named quality. Said caps or coverings are preferably made of lead, so formed and so secured to the corks or stoppers as to present a smooth outward surface, free from all wrinkles. C represents the bushing, constructed preferably of sheet metal, though any other suitable material may be employed. It is struck up, spun, or drawn from a thin

sheet of metal, so as to present a seamless or continuous and smooth interior surface.

A cork or stopper, covered as hereibefore described, when inserted in the bushing C, readily accommodates itself, by its soft or yielding covering, to the inequalities and irregularities that may exist on the interior surface of said bushing, and thus a very close fit is secured, which effectually prevents the escape or leakage of the contained liquid, either at the sides or through the body of the bung.

The advantage of covering the sides and bottom of a cork or bung with a yielding substance is, that by this provision leakage is prevented, not only around the bung itself, but through the body of the bung, or between the bung and its covering.

The cork, stopper, or bung may be of any form or shape, and may be used, if desired, without the seamless bushing herein described.

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

The combination, with a solid bung or stopper, of a yielding jacket of lead or similar yielding metallic substance, whereby the yielding jacket may be forced into intimate contact with a metal bushing, and form a ground joint therewith, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOMAS TULLY.

Witnesses:

FRANCIS TOUMEY,  
EDWARD WALSH.