

No. 817,970.

PATENTED APR. 17, 1906.

H. GERIKE,  
BUNG AND SEAL CLOSURE FOR CASKS.  
APPLICATION FILED MAR. 10, 1905.

Fig. 1

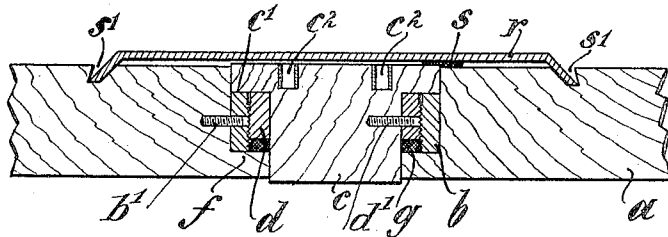
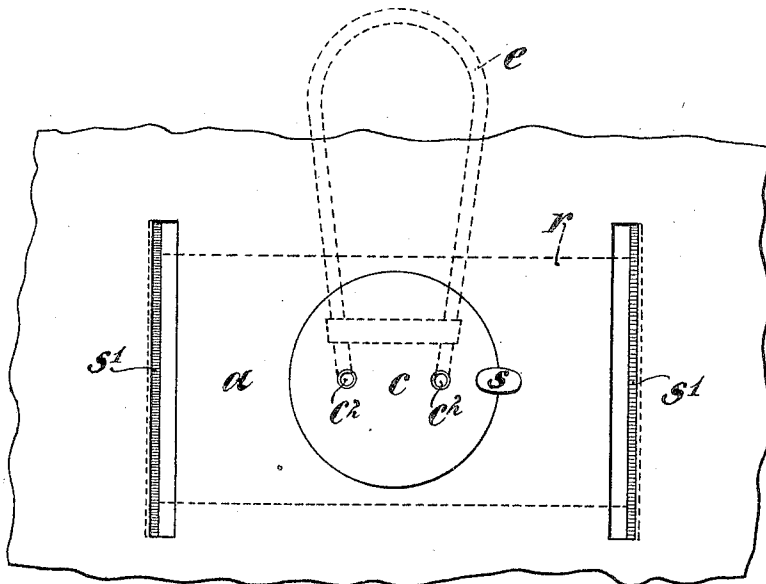


Fig. 2



Witnesses:

*Aspirin Martin*

*Max Hinkel*

Inventor  
Hugo Gerike  
by *Ernst W. Kopp*  
Attorney

# UNITED STATES PATENT OFFICE.

HUGO GERIKE, OF KLEIN SCHÖNEBECK, GERMANY, ASSIGNOR TO GUSTAV HEYDEN, OF SCHÖNEICHE, NEAR BERLIN, GERMANY.

## BUNG AND SEAL CLOSURE FOR CASKS.

No. 817,970.

Specification of Letters Patent.

Patented April 17, 1906.

Application filed March 10, 1905. Serial No. 249,445.

To all whom it may concern:

Be it known that I, HUGO GERIKE, a citizen of the German Empire, and a resident of Klein Schönebeck, near Berlin, Germany, have invented new and useful Improvements in Bung and Seal Closures for Casks, of which the following is a description.

The present invention relates to bung and seal closures for casks; and it consists of the details of construction hereinafter set forth, and particularly pointed out in the claim.

In order to render the present specification easily intelligible, reference is had to the accompanying drawings, in which similar letters of reference denote similar parts throughout both the views.

Figure 1 is a vertical section through the bung-closure, with the protecting-cap for the seal; and Fig. 2 is a plan of Fig. 1.

Referring first to Figs. 1 and 2, the bung-hole of the cask *a* is recessed from the outside of the cask to form the annular shoulder *f*, and on this shoulder is properly fixed, by means of a screw *b'*, an internally-threaded metal ring *b*. The bung *c* is of wood and is reduced at the inner side to form the upper annular flange *c'*, beneath which on the reduced part of the bung, which said reduced part fits snugly into the interior part of the bung-hole, an externally - threaded metal ring *d* is securely mounted and held against rotation by a screw *d'*. Beneath this ring a washer *g*, of resilient packing material, such as india-rubber, is provided. The top of the bung is provided with recesses *e*<sup>2</sup> for the reception of a key *e* (shown in dotted lines in Fig. 2) and by means of which the bung is screwed into the ring *b*. When the said bung has been properly screwed into the ring *b*, the packing-ring *g* will serve to tighten up the closure, and only wood surfaces will be presented to the liquid within the cask or at most a very small surface of the packing-ring, while the outer side of the bung lies

flush with the outer surface of the cask, so that the seal *s*, Fig. 2, will be applied to wood only, and will thus remain better in position, as it is very difficult to apply a seal to the cask when the bung is of metal. When the seal has been applied, the protecting plate or cap *r* is placed over the same, its downwardly-bent ends being sprung into the inclined slots *s'* of the cask, as will be readily understood.

With the above invention the great advantages are attained that the top of the bung is flush with the outer surface of the cask, while the liquid in the cask will always be in contact with the wood of the bung or with the washer, but will not come into contact with the metal parts of the closure.

I claim as my invention—

In a cask-closure, the combination of a cask - stave having a bung - orifice with inwardly-projecting annular shoulder *f*, an internally-screw-threaded metal ring to fit the bung-hole above the said shoulder *f*, and having its upper surface lying below the surface of the cask, a bung or plug having a reduced portion to extend through the stave of the cask and fit into the opening formed by the annular shoulder *f*, an externally-threaded metal ring fitting on the said reduced part and adapted to screw-thread into the metal ring of the bung-hole, a packing-ring located beneath the lower edge of the said metal ring of the plug and above the annular shoulder *f* and a flange on the said bung or plug to fill out the enlarged part of the said cask-hole and having its upper surface flush with the outer surface of the cask substantially as described.

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

HUGO GERIKE.

Witnesses:

HENRY HASPER,  
WOLDEMAR HAUPT.