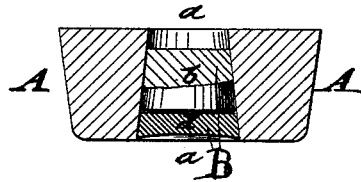


W. BENDER.  
Bungs.

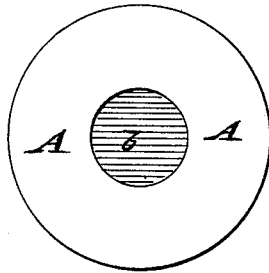
No. 206,923.

Patented Aug. 13, 1878.

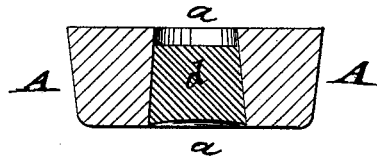
*Fig: 1.*



*Fig: 2.*



*Fig: 3.*



WITNESSES:

*Cras. Nida*  
*C. Sedgwick*

INVENTOR:

*W. Bender*  
BY *Munn Co*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

WILLIAM BENDER, OF NEW YORK, N. Y.

## IMPROVEMENT IN BUNGS.

Specification forming part of Letters Patent No. **206,923**, dated August 13, 1878; application filed July 13, 1878.

*To all whom it may concern:*

Be it known that I, WILLIAM BENDER, of the city, county, and State of New York, have invented a new and Improved Bung for Casks, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a vertical transverse section of my improved bung for casks. Fig. 2 is a top view of the same, and Fig. 3 a vertical transverse section of a modified form of the bung.

Similar letters of reference indicate corresponding parts.

This invention has reference to an improved bung for casks and kegs of all kinds, by which a perfect sealing of the vent-hole of the bung is obtained, while at the same time the vent-plug is driven in with great facility.

Hitherto bungs were either made with central holes that were closed by small plugs, which, on tapping the kegs, were driven into the barrel by the vent-plug for giving vent, or the bung was only partially perforated, and a continuous web of wood left across the lower part of the perforation, so that on driving in the plug the web was split off, and thereby the vent for the keg obtained. Of these bungs the former style is objectionable on account of the hard-wood plug not closing sufficiently airtight in all cases, while the second bung is objectionable on account of the continuous web of wood being frequently split or imperfect, so as to admit the escape of the carbonic acid from the keg, so that the beer, ale, or other contents of the same become flat and stale, and lose their original freshness.

This invention is designed to furnish a bung that avoids the defects mentioned, while furnishing the same facility of giving vent as the bungs referred to.

It consists of a bung having a central hole that extends entirely through the bung, and which is closed partly by a wooden plug and partly by a bottom plug of pitch, resin, or other

suitable resinous or bituminous material, or entirely by a plug of pitch or similar material.

Referring to the drawings, A represents a plug of the usual shape for casks, kegs, &c., which is perforated by a straight or slightly-flaring center hole, *a*, that is bored entirely through the bung. This central vent-hole is closed by a plug, B, which is made partly of a wooden plug, *b*, and partly of a bottom facing, *d*, of pitch, resin, or other suitable resinous or bituminous material, that seals hermetically the center hole, so as to prevent the escape of gas, as in Fig. 1; or the plug B may be made entirely of pitch or similar material, as shown in Fig. 3. In either case the pitch or other composition is poured in in hot state, and forms a perfectly-sealing plug, that is readily driven in in the usual manner when vent is to be given to the keg.

The small size of the pitch or other resinous plug enables it to be readily taken out of the keg in cleaning, while the split-off web portions of the bungs frequently give trouble in removing them from the keg.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A bung for casks having a central perforation extending entirely through the bung and a plug with hermetically-sealing bottom facing or covering of pitch or other resinous or bituminous material, substantially as and for the purpose specified.

2. A bung for casks having a central hole extending entirely through the same and a hermetically-sealing plug of pitch or other resinous or bituminous material, substantially as specified.

WILLIAM BENDER.

Witnesses:

PAUL GOEPEL,  
C. SEDGWICK.