

W. F. CLASS.

Vent Bungs.

No. 136,415.

Patented March 4, 1873.

Fig. 1:

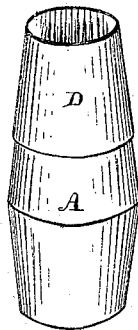
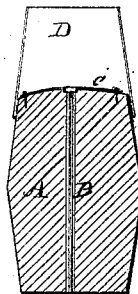


Fig. 2:



Witnesses.

Geo. A. Kolbe  
W. Canfield

Inventor.

William F. Class

# UNITED STATES PATENT OFFICE

WILLIAM F. CLASS, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-FOURTH HIS  
RIGHT TO THOS. D. COTTRELL AND WM. L. B. HUGHES, OF SAME PLACE.

## IMPROVEMENT IN VENT-BUNGS.

Specification forming part of Letters Patent No. 126,415, dated March 4, 1873.

### *To all whom it may concern:*

Be it known that I, WILLIAM F. CLASS, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented an Improved Fermentation and Vent Bung, of which the following is a specification:

This invention relates to a vent-bung so constructed that it is used first as a fermentation-bung, it being provided with a removable cup for holding water over the vent, through which, during fermentation, the carbonic-acid gas is seen to bubble up and escape, which, when the bubbling ceases, indicates that fermentation is done; then by removing the cup the bung is reversed end for end in the bung-hole, and then becomes a venting bung.

The following is a description of its construction and operation, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view, and Fig. 2 is a vertical section.

A represents a wooden bung, made tapering from the middle to each end so that either end may be inserted in the bung-hole of a barrel. Through the bung A is a hole, B. Over one end of the bung, which is made slightly

crowning, is stretched a strip of very thin rubber, C, covering the end of the hole B. D is a sheet-metal thimble placed on the end of the bung having the rubber strip, which forms a cup, as seen in Fig. 2.

The use of the above-described bung is as follows: By placing the bung in a barrel in the position as seen in the drawing, with the cup uppermost, the cup is filled with water, and is left thus during fermentation. When fermentation ceases, which will be observed by the cessation of the bubbles through the water, the cup is removed from the bung, the bung withdrawn, and then becomes a venting-bung for drawing off the liquor from the barrel. The tension of the rubber is sufficient to keep the vent closed, except when liquor is being drawn.

I claim—

The bung A, rubber strip C, and thimble or cup D, when constructed, arranged, and operating substantially as described, and for the purpose set forth.

Witnesses: WILLIAM F. CLASS.

GEO. A. KOLBE,

H. W. CANFIELD.