

R. PENTLARGE.
Bungs for Casks.

No. 148,747.

Patented March 17, 1874.

Fig. 1

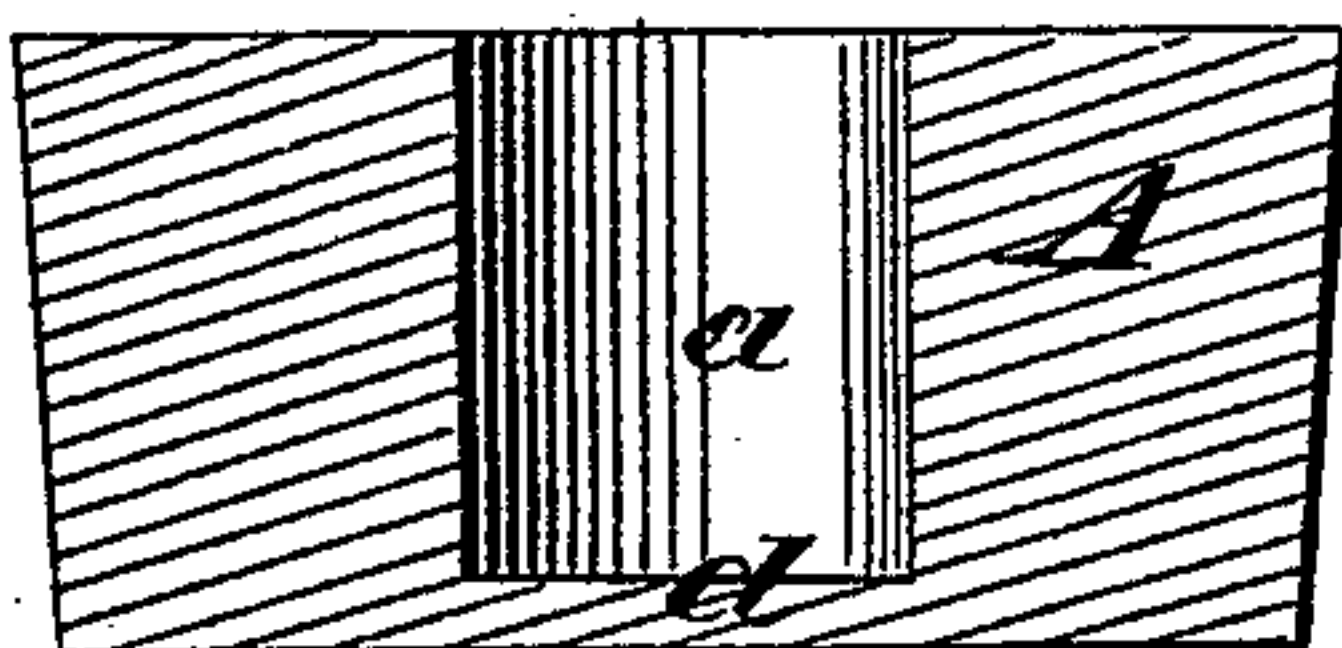


Fig. 2.

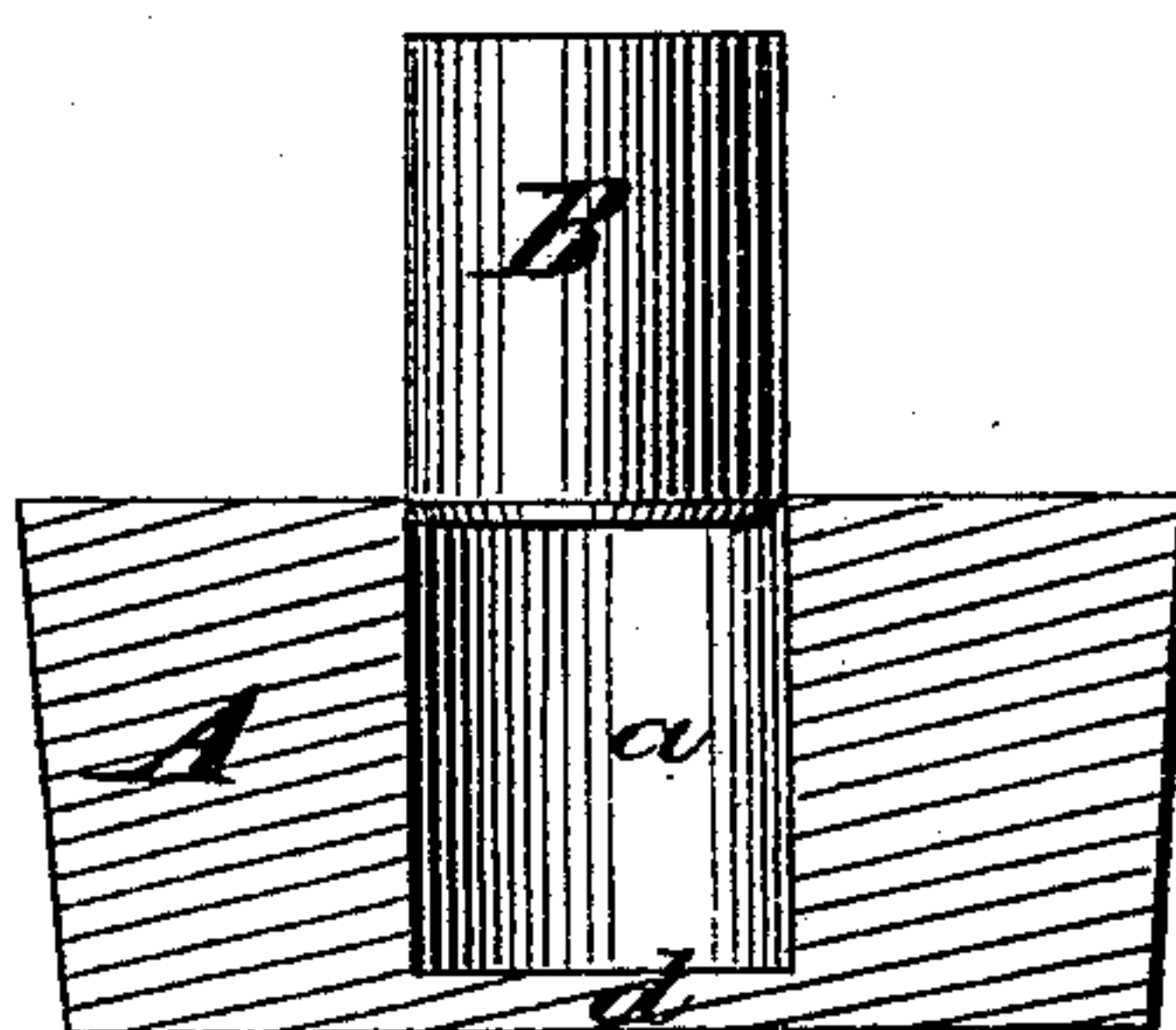


Fig. 3.

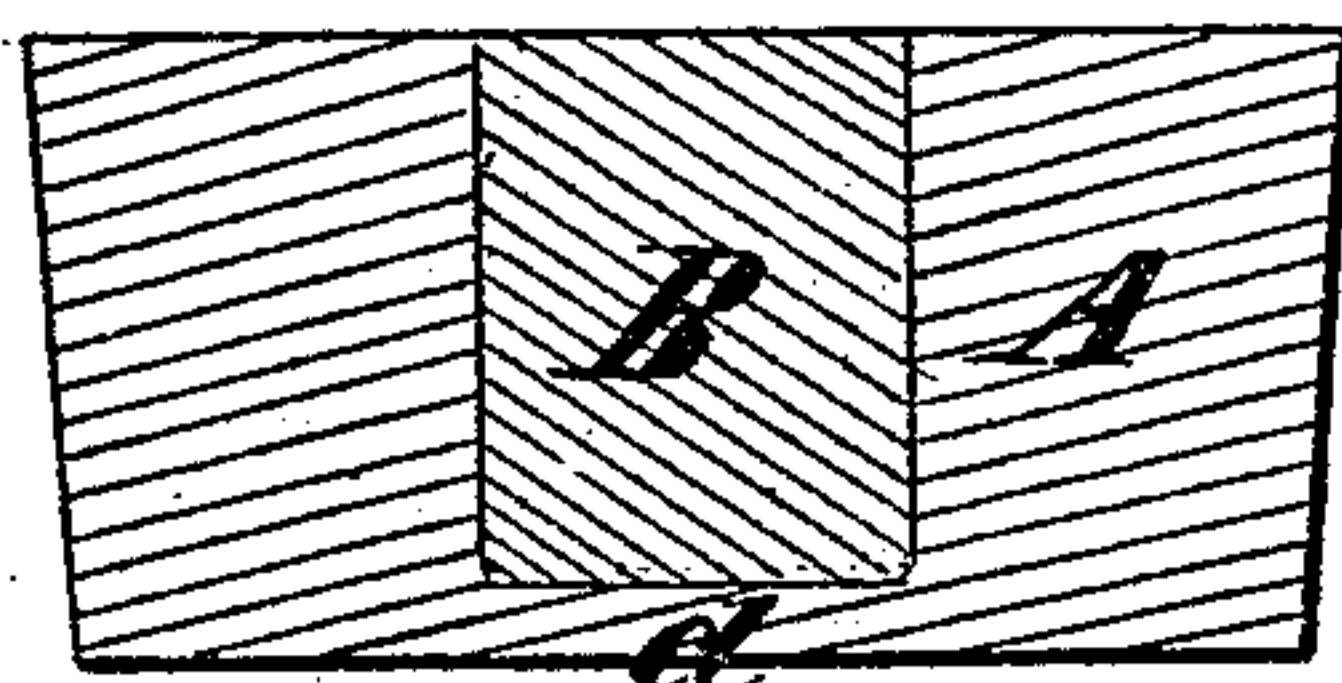


Fig. 4.

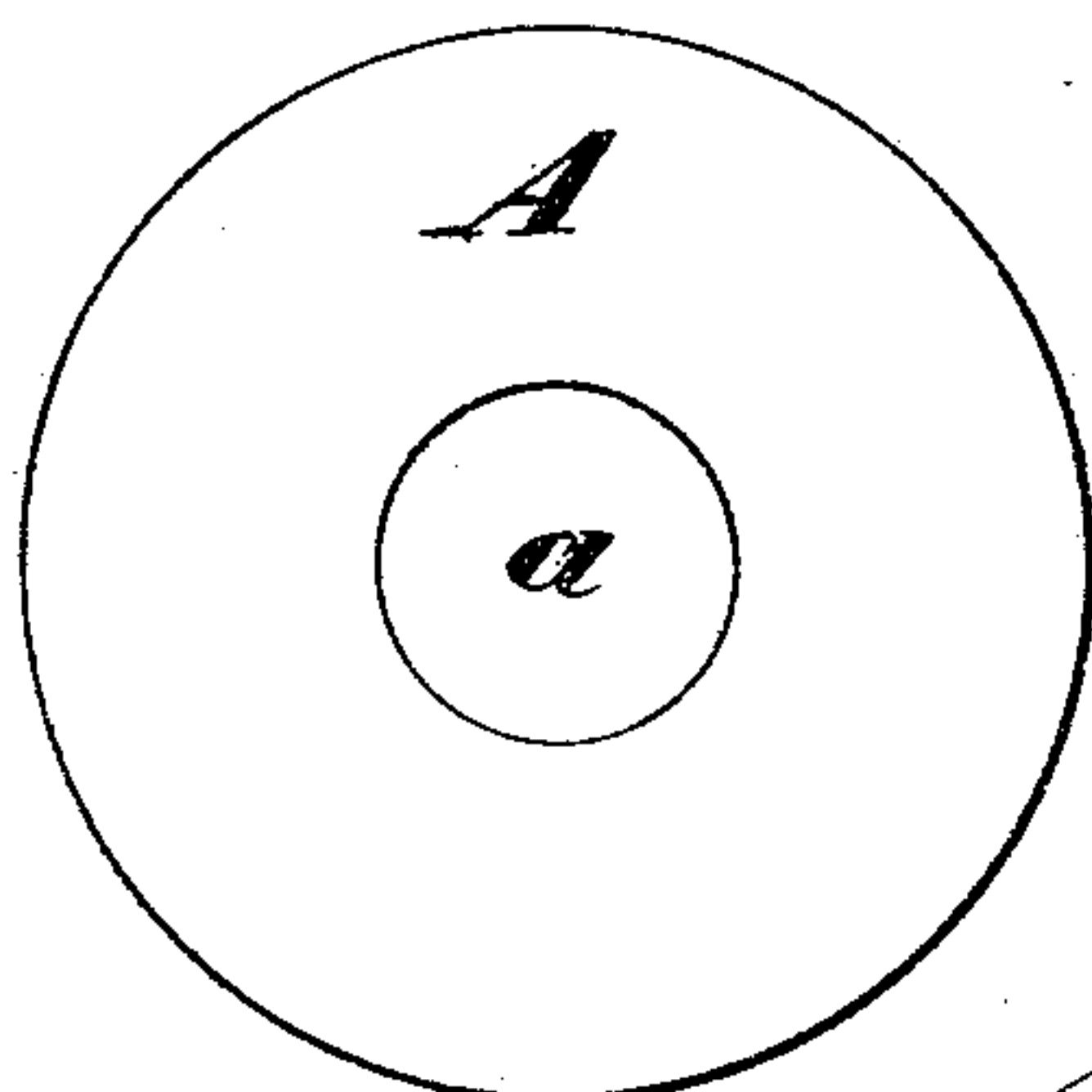
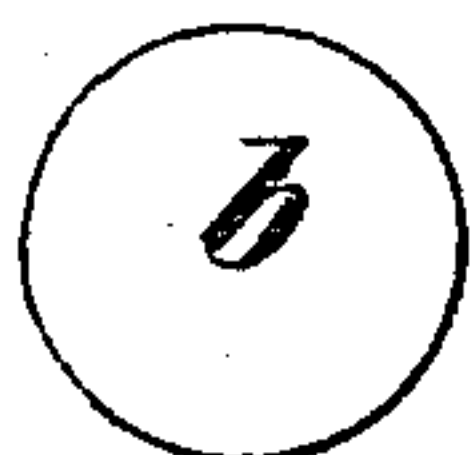


Fig. 5.



Witnesses.
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IMPROVEMENT IN BUNGS FOR CASKS.

Specification forming part of Letters Patent No. **148,747**, dated March 17, 1874; application filed February 18, 1874.

To all whom it may concern:

Be it known that I, RAFAEL PENTLARGE, of Williamsburg, in the city of Brooklyn, county of Kings and State of New York, have invented an Improved Bung for Casks, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a diametrical vertical section of the bung. Fig. 2 shows the same section with the plug in position to be driven into the bung. Fig. 3 shows the plug as driven into the bung, which is ready for use. Fig. 4 is a plan view of the bung; Fig. 5, a plan view of the plug.

The object of the invention is to provide for an easy tapping of the bung for the purpose of inserting the vent-plug, and at the same time to prevent the loss, by the act of tapping, or through the provision afforded for tapping, of the gases generated by fermentation. My invention consists in a wooden bung provided with a hole extending from the larger and outer toward the smaller and inner face, not penetrating the latter, but having a solid part of the bung remaining at the bottom, and the said hole being filled by a tightly-fitting plug driven into it. The solid part left at the bottom of the hole having the grain of the wood crosswise entirely prevents the gas from escaping between the plug and bung.

A is the bung, having the hole *a* bored into it,

but not through it, allowing a part, *d*, of the lower circular face to remain, so as to form a solid portion of the bung. This part is designed to give way under the strokes of a hammer or other instrument. The hole *a* is tightly plugged by the plug B, which is flush with the upper or outer face of the bung. In tapping, the vent-plug is placed onto the plug B, and as the vent-plug is driven into the bung the inner plug B is driven through, breaking the solid bottom *d* of the hole *a*. This bung, before the vent-plug is driven into it, keeps the cask perfectly tight, the unbroken bottom of the bung effectually preventing any escape of gas. When the vent-plug is driven in, as above described, the inner plug B, as it breaks out the bottom *d*, passes into the cask, followed so closely by the vent-plug that there is no escape of gas from the cask.

What I claim as my invention is—

1. The bung A, provided with the hole *a*, having a solid bottom, *d*, substantially as specified.
2. The plug B, in combination with the bung A, having a hole extending partly through it, substantially as and for the purpose set forth.

RAFAEL PENTLARGE.

Witnesses:

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