

(No Model.)

F. R. & G. W. TIBBITTS.

VENTING BUNGS.

No. 337,211.

Patented Mar. 2, 1886.

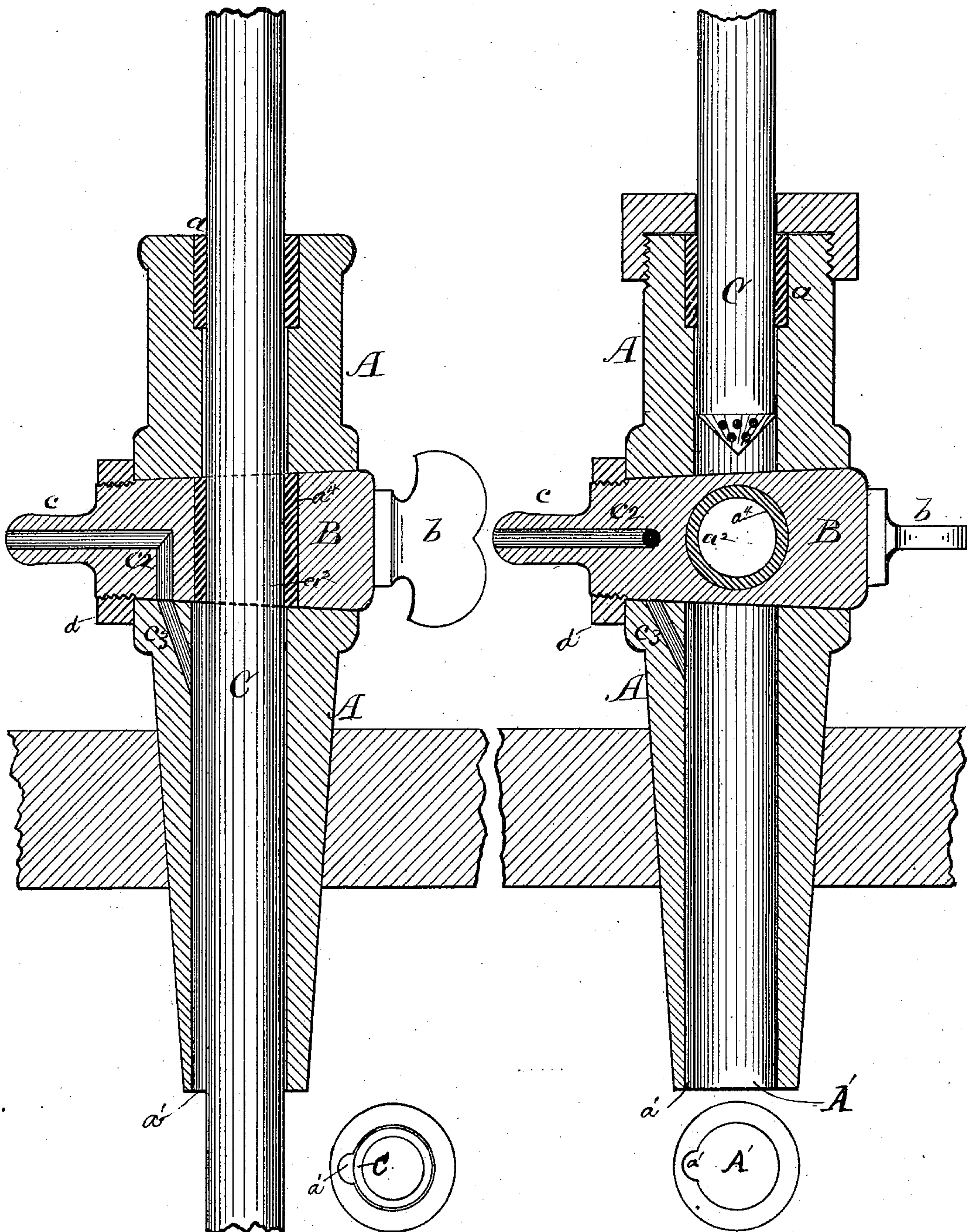


Fig. 1.

Witness,

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Fig. 2.

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# UNITED STATES PATENT OFFICE.

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## VENTING-BUNG.

SPECIFICATION forming part of Letters Patent No. 337,211, dated March 2, 1886.

Application filed August 1, 1885. Serial No. 173,270. (No model.)

*To all whom it may concern:*

Be it known that we, FRANK R. TIBBITTS and GEORGE W. TIBBITTS, both of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Venting-Bungs, of which the following is a specification.

This invention is an improvement in that class of bungs in which the turning of the plug simultaneously opens an outlet-passage for liquid and an inlet-passage for air, or simultaneously closes both of said passages at will.

The said invention consists in the special construction and combination of parts hereinafter set forth.

Referring to the drawings, Figure 1 is a vertical section of the bung, showing the gate or plug and the draw-off tube inserted. Fig. 2 is a transverse vertical section of the same, showing the gate or plug turned for closing the tube and air-passages.

A is the body of a tubular bung, through which is made a transverse bore, in which is secured a gate or plug, B, provided with a hole in line with the bore of the bung. In said body or bung A is formed a central passage, A', having at its side a communicating offset constituting a supplemental passage, a', for the inlet of air, this passage a' extending up to the plug B. From this passage a' a branch passage, c', extends obliquely through the material of the hub to the upper end thereof. Through the said bung and the gate is passed a pipe, C, which reaches down into the bottom of the barrel, and is designed for drawing liquid through from the barrel when connected with a faucet. One end of said gate is provided with a thumb-piece, b, for turning it by. The other end is provided with a nipple, c, and has a small bore, c', part way therein turned at an angle to meet the said short diagonal bore c'. To the said nipple c is to be attached a hose leading from an air-pump. The gate is removably fixed in its place by means of a nut, d. In the top of the bung is placed a flexible packing-ring, a, through which the pipe C tightly passes for making a tight joint. The hole a' through the gate B is also provided with a flexible packing-ring, a', for the same purpose.

This packing-ring or bushing a' closes the upper end of supplemental passage a' when the plug B is turned to allow the outflow of liquid. Under other circumstances this passage a' is closed by the solid part of the plug itself. The top of the bung may have a screw-cap and flexible gasket, if desired, for making a close tight joint.

The manner of inserting this bung and tube is as follows: The pipe C is withdrawn from the bung and the gate turned a quarter-way for closing the passages through the bung. The bung is now driven into the hole in the head or side of barrel. Next insert pipe C into top portion of bung as far as the gate, then turn the gate back again. Then the pipe C is pushed down through the bung into the barrel. The device is now ready for use.

Having described our invention, we claim—

1. The bung A, provided with a central passage, A', having on one side an offset, a', which forms a supplemental passage for the inlet of air, and also a passage, c', extending from the said offset through the material of the bung obliquely to its upper end, in combination with the plug B, having a bushing, a', which closes the upper end of offset or passage a', when the plug is open, and the angular inlet-passage c', arranged to connect with passage c' when the plug is in the latter position, and the outlet-pipe C, which fills the passage A', but leaves the offset or supplemental passage a' open to allow the influx of air through passages c' c' a', substantially as set forth.

2. The bung A, having a central passage, A', and supplemental passage a', which is formed by an offset therefrom, in combination with a passage, c', extending obliquely through the material of said bung to the upper end thereof, an outlet-pipe, C, which fills said passage A', but not the supplemental passage a', and a plug, B, which is provided with a central passage, a', communicating with said outlet-pipe, and an air-inlet passage, c', communicating with passage c', for the purpose set forth.

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