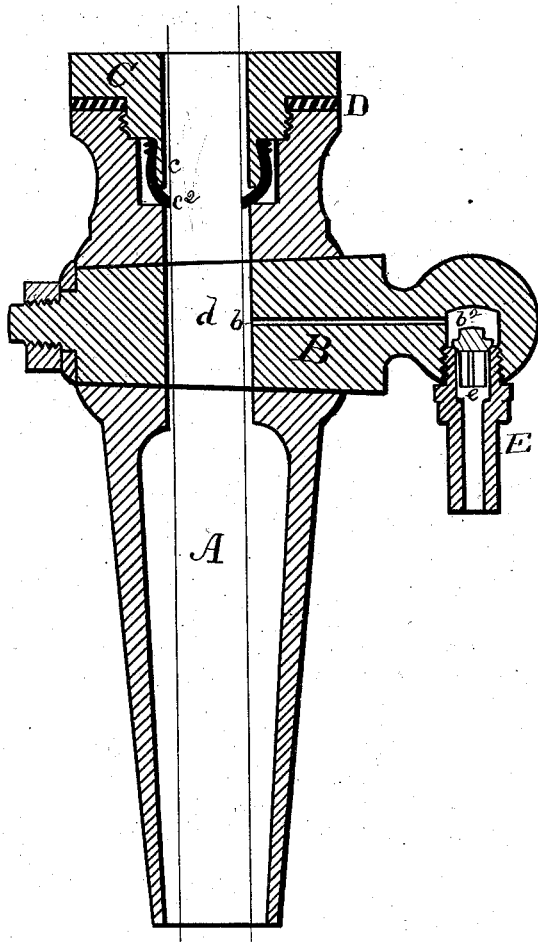


J. AENIS.
VENT-PLUGS FOR BEER-BARRELS.

No. 194,508.

Patented Aug. 28, 1877.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN AENIS, OF CLEVELAND, OHIO.

IMPROVEMENT IN VENT-PLUGS FOR BEER-BARRELS.

Specification forming part of Letters Patent No. **194,508**, dated August 28, 1877; application filed August 1, 1877.

To all whom it may concern :

Be it known that I, JOHN AENIS, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Vent-Plug, which is fully set forth in the following specification and accompanying drawing, in which the figure is a vertical half-section.

The object of my invention is to furnish a device to be used in conjunction with a faucet for introducing air into beer-barrels, as hereinafter described and claimed.

A represents a hollow tapering plug, which is designed to be driven into the barrel. B is a cross-plug fitted to turn in its seat in the enlarged portion of the plug A. C is a cap screwed into the top of the plug A, having a hole through its center, and a downward-projecting flange, *e*, around which is fastened a piece of flexible packing, *e*². This packing is located in a chamber above the cross-plug B. A packing-ring, D, is interposed between the cap C and the top of the plug A. Through the plug B is made an opening, *d*, corresponding with the passage through the plug A. Through the plug B is made the vent-opening, which consists of a narrow passage, *b*, through the neck of the plug B, connecting the opening *d* with a chamber, *b*², in the head of said plug. Into the head of said plug B is placed a nipple, E, provided with a check-valve, *e*, the purpose of which is hereinafter shown. Through the plug A is put the faucet for drawing off the contents of a barrel.

The manner of applying this plug is as follows: When the plug is to be inserted in a barrel, the cross-plug B is turned a quarter-way round, which shuts off the vent-opening *b* from the passage *d* in the plug A. The plug is then driven into the barrel, after which the faucet is inserted through the cap C and packing *e*²; then the cross-plug B is turned back again to the position seen in the drawing, and the faucet is pushed in down to its place in the barrel, and is then ready for use. To the nipple E is to be attached a pipe connecting with a bellows or air-pump.

The tube of the faucet should not be so large as to fill the passage through the plug, but sufficiently smaller to allow admission of air around it from the vent-opening into the barrel.

Having described my invention, I claim—

The herein described vent-plug, consisting of the hollow plug A, having the open cap C, said cap having the flange *e*, packing *e*², and the packing-ring D, the cross-plug B, having the vent-opening *b*, chamber *b*² in the head, the nipple E, having the check-valve *e*, the construction, arrangement, and operation being substantially as shown and described.

JOHN AENIS.

Witnesses:

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