C. H. RAUERT.

Vent-Faucet.

No. 166,554. Patented Aug. 10, 1875.

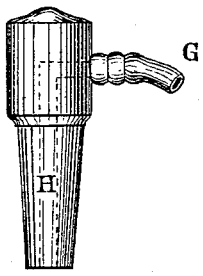


Fig. 1.

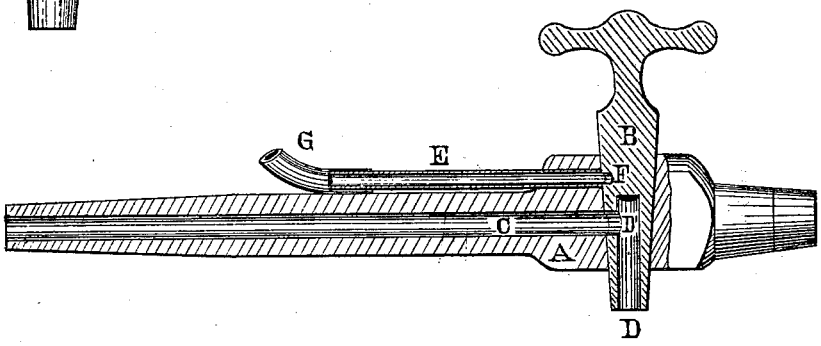
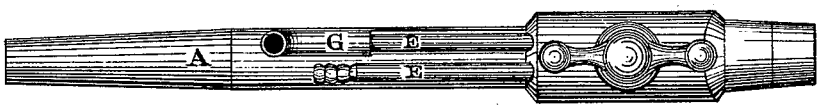


Fig. 2.



WITNESSES:

Wm. H. Dopp.

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UNITED STATES PATENT OFFICE.

CHARLES H. RAUERT, OF BUFFALO, NEW YORK.

IMPROVEMENT IN VENT-FAUCETS.

Specification forming part of Letters Patent No. **166,554**, dated August 10, 1875; application filed July 6, 1875.

To all whom it may concern:

Be it known that I, CHARLES H. RAUERT, of Buffalo, in the State of New York, have invented certain new and useful Improvements on Beer-Faucets and Vents; and I do hereby declare that the following is a full, clear, and exact specification, wherein are set forth the nature and object of my invention, and the mode in which it is carried into effect, in such precise terms as to enable others skilled in the art to which it pertains to make and use the same, reference being had therein to the accompanying drawing, which makes a part of this specification, and in which—

Figure 1 is a longitudinal sectional elevation, and Fig. 2 a top view of the same.

The object of my invention is to produce a self-venting beer-faucet, which, when used with beer-casks placed into an ice-box or refrigerator, shall be so arranged as to automatically vent the cask, and supply the same with the cooled air from the interior of the said ice-box or refrigerator; and its nature consists in the arrangement and construction of elements, as hereinafter more fully set forth and described, and pointed out in the claim.

A is the body of my faucet, which I make of wood on account of its not being affected by the chemical constituents of beer, having a tapering shank of the proper size to fit the draft-opening of a beer-cask. The forward end of this body is provided with a conical bore transversely, serving as a seat for the plug B, while longitudinally the said body is provided with the main passage C. The plug B has also a passage, D, and an opening, D′, the latter being a continuation of the main passage B, and connecting the passages B and D. E E are two tubes fastened in the upper part of the faucet-body, where they terminate in the conical bore. They extend longitudinally over the body for a considerable distance, and serve to convey the air to vent the cask, they being made to communicate with each other through a recess or channel, F, in the plug B. G is a flexible tube, attached at one end to one of the ducts E, and at the other end to a spigot or vent-plug, H, and serves to connect the faucet with the cask.

The operation of my device is as follows: When the faucet is tapped into the cask, and the same placed into an ice-box or refrigerator, and it is desired to draw the liquor, I turn the plug into the position shown in Fig. 1 in section. This allows the liquor to pass from the main passage through the plug into the glass or vessel to be filled. At the same time the channel F in the plug B connects the two ducts E E, and the air entering one of them passes through the plug, and returns through the adjacent tube, and vents the cask automatically through the flexible tube and the spigot, the latter having been inserted into the apex of the cask.

When the vessel is filled the plug B is turned into a position opposite that heretofore described, whereby the main passage will be closed, and the communication of the two tubes E interrupted, thus preventing the escape of liquor and of its gases, which latter is a special advantage, and tends to keep the liquor in a fresh and palatable state.

The tubes E, extending into the refrigerator, draw the cold air from the same and supply the cask with the same, whereby it is kept at a temperature considerably lower than when the vent-supply is obtained from the outside of the refrigerator, which is the case with other devices having a similar automatic venting arrangement.

The device as described is equally applicable to metallic beer-faucets, only that the return-passages E E may be cast within the body, and the hose or flexible tube attached to a nozzle projecting from the said faucet-body.

My faucets are made from wood, for the reason above stated; but the plug may be made from white or similar metal, if it is deemed advisable.

My faucet is, furthermore, not a squirting faucet, objection being raised by customers of the beverage against that kind of faucets.

Having thus fully described my invention, I desire to secure to me by Letters Patent of the United States—

The return-duct E E, arranged upon the faucet-body A, whereby cold air is drawn from an ice-box or refrigerator through one of the ducts E, and, passing through the channel F in the plug B, returns through the adjacent duct into the ice-box, to vent the cask containing the liquor to be drawn, substantially in a manner as described.

In testimony whereof I have hereto set my hand and seal this 22d day of June, 1875, in the presence of two subscribing witnesses.

CHARLES H. RAUERT. [L. S.]

Witnesses:
MICHAEL J. STARK,
FRANK HIRSCH.