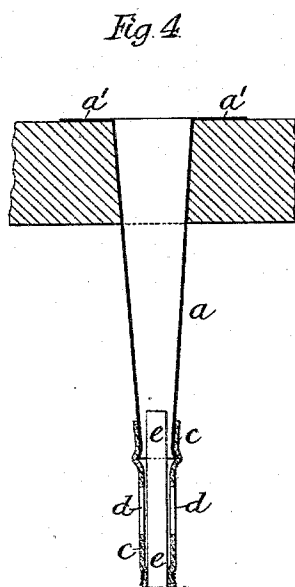
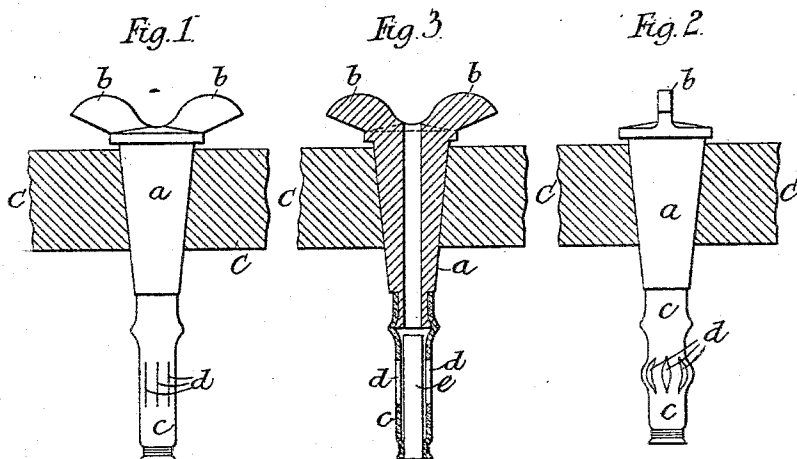


(No Model.)

C. WAYTE.
AUTOMATIC VENT PEG.

No. 425,530.

Patented Apr. 15, 1890.



Witnesses.

Wm. Norton

H. L. Hillier

Inventor.

Charles Wayne

by *John F. Hallett* for
his Atty.

UNITED STATES PATENT OFFICE.

CHARLES WAYTE, OF EPSOM, COUNTY OF SURREY, ENGLAND.

AUTOMATIC VENT-PEG.

SPECIFICATION forming part of Letters Patent No. 425,530, dated April 15, 1890.

Application filed December 12, 1889. Serial No. 333,416. (No model.) Patented in England September 6, 1887, No. 12,068.

To all whom it may concern:

Be it known that I, CHARLES WAYTE, a subject of the Queen of Great Britain, residing at Epsom, in the county of Surrey, England, have invented a new and useful Improved Automatic Vent-Peg, (for which I have obtained a patent in Great Britain, No. 12,068, dated September 6, 1887,) of which the following is a specification.

This invention relates to an inexpensive automatic vent-peg for casks and other vessels.

In carrying out my invention I make use of an india-rubber or other elastic tube having one or more slits formed therein and containing a core secured to the lower end of such tube and extending above said slits, so that air can pass from the exterior of the cask between the core and the tube through the slits, but that the pressure within the cask or other vessel will press the said tube into close contact with the core and prevent the egress of gas.

In order to enable my invention to be fully understood, I will describe how it can be carried into practice, by reference to the accompanying drawings, in which—

Figures 1 and 2 are elevations, and Fig. 3 is a section, of an automatic vent-peg constructed according to my invention and shown inserted in the usual spile-hole of a cask, a portion of one of the staves of which is represented in section. Figs. 1 and 3 represent the valve of the vent-peg in its normal or closed position, and Fig. 2 shows the valve open. Fig. 4 is a similar view to Fig. 3, but showing a modified arrangement of my improved vent-peg.

Similar letters in all the figures indicate similar parts.

a is a hollow metal cone provided with wings *b b*, whereby it can be forced into and removed from the vent-hole of the cask *C*.

c is the piece of elastic tube which I fit over the smaller end of the cone.

d d are the slits or incisions in the tube *c*, which is closed up air-tight at its lower end by being bound to a piece of india-rubber, wire, or an equivalent core *e* introduced into the elastic tube, which thus forms a kind of valve.

From the foregoing description it will be easily understood that the valve will prevent the gas from escaping through the vent-peg,

but when the liquid is withdrawn from the cask the air will enter through the slits or incisions *d d* in the elastic tube *c*, which, under the pressure of the said air, will open somewhat in the manner shown in Fig. 2.

In the modified arrangement shown in Fig. 4 I slit the hollow metal cone *a* downward from the top in three or four places, so that the upper part of the cone, which projects beyond the cask after the cone has been driven in, can be laid over upon the cask. The portions *a' a'* of the cone formed by slitting the same can be used to extract the peg by means of a pair of pliers or the like, when required to be replaced by a new one. The piece of elastic tube *c* is placed over the smaller end of the cone and made air-tight at its end, as hereinbefore described.

This peg will not offer any obstacle to the cask being rolled about, and the valve will prevent the liquid from escaping. The peg having been once inserted will last for months, as the cask can be washed out without risk of injury to the peg. It will be obvious that a similar result can be attained by inserting in the cone a valve which is brought to its seat by means of an elastic substance, such as india-rubber fiber or thread.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. A vent-peg adapted for a seat in a cask, and having an elastic tube projecting from its inner end and made with slits therein, and also having a core-piece secured to the extremity of such tube and extending back beyond such slitted portion, as shown and described.

2. A vent-peg for casks, having a tube held by its own elasticity upon and projecting from its inner end and having slits or incisions therein, and having a core-piece secured to the other end of such tube and extending back beyond such slitted portion, the peg being also provided with wings *b*, all as and for the purposes set forth.

CHARLES WAYTE.

Witnesses:

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A. S. ALBUTT.