

W. Ascougk,

Air Vent.

No. 105764.

Patented July 26, 1870.

Fig. II

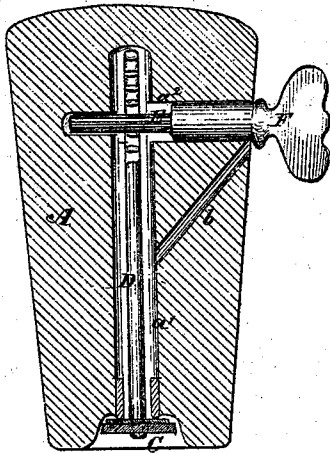
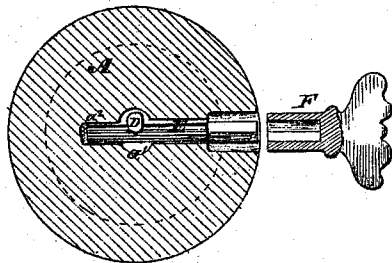


Fig. II



INVENTOR:

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WITNESSES:

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WILLIAM ASCOUGH, OF BUFFALO, NEW YORK.

Letters Patent No. 105,764, dated July 26, 1870.

## IMPROVEMENT IN VENT FOR CASKS.

The Schedule referred to in these Letters Patent and making part of the same.

I, WILLIAM ASCOUGH, of the city of Buffalo, in the county of Erie and State of New York, have invented a certain new and improved Vent for Beer-Casks, of which the following is a specification.

My invention relates to the arrangement of a valve, which is suspended upon a rack operated by a pinion, in combination with a plug having a vertical bore, containing the rack, a horizontal bore as a bearing for the pinion, and its shaft and key, another small passage communicating with the vertical bore, for the admission of air thereto.

In the accompanying drawing—

Figure I is a vertical section of my vent.

Figure II is a horizontal section, showing a modification of the same.

Letters of like name and kind refer to like parts in each of the figures.

A represents a vent-plug, having a vertical bore,  $a^1$ , another at right angles thereto, as shown at  $a^2$ , and an air-passage,  $b$ .

C represents a valve at the bottom of the vertical bore, which valve opens downwardly, and is attached to a vertical rod, D, provided with cogs or teeth near its upper end.

E represents a pinion, which gears with the toothed bar or rack D, and, by its revolutions around its axis, either raises or lowers the rack, and thereby closes or opens the valve suspended thereon.

F represents a key, which may either be made part of the shaft of the pinion which projects through the

horizontal bore  $a^2$  to the outside of the plug, as in Fig. I, or it may be separate and removable, like the key of a clock. In the latter case the end of the shaft of the pinion is made square, as shown in Fig. II.

This improved vent-plug is well adapted for use in the place of the common plug now applied by brewers to barrels and kegs sold to retailers, the brewer to furnish the plug without the key, and the retailer to own and use the key as above described.

Another advantage gained by the use of this vent with detached key, is that, in private houses where beer, ale, or porter is constantly kept on draught, servants and their friends may be deprived of the opportunity of helping themselves to these beverages, by retaining the key in custody of the master or mistress of the house.

This vent, with the key made part of the pinion-shaft, is simple and cheap, and admirably adapted for general use.

I claim as my invention—

The plug A, having a vertical bore,  $a^1$ , horizontal bore  $a^2$ , and air-passage  $b$ , the valve C, toothed bar D, pinion E, and key F, said parts being constructed, arranged, and operating substantially as herein described.

WM. ASCOUGH.

Witnesses:

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