

W. Golden,

Funnel.

No. 104575.

Patented June 21. 1870.

Figure 1 -

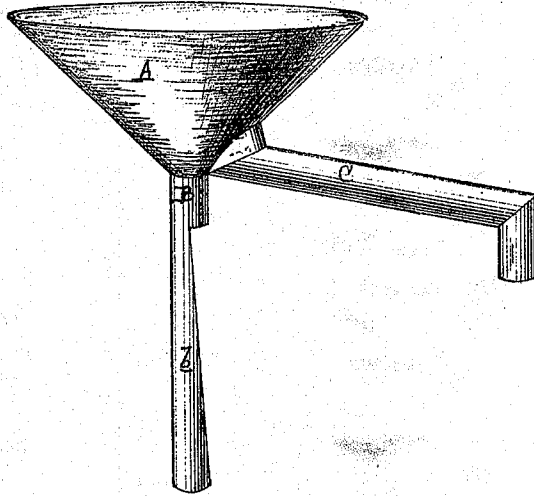
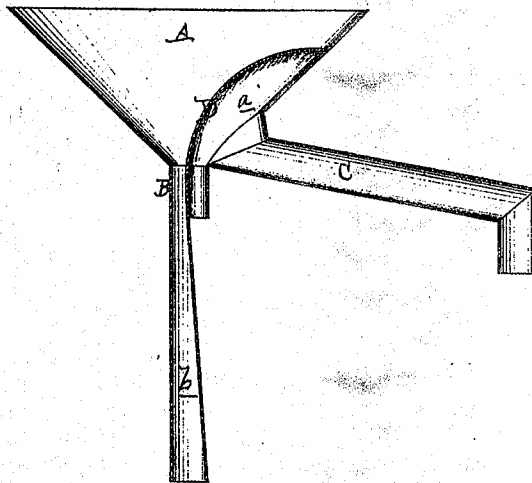


Figure 2 -



ATTEST.

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WILLIAM GOLDEN, OF FLINT, MICHIGAN.

Letters Patent No. 104,575, dated June 21, 1870; antedated June 11, 1870.

IMPROVEMENT IN BEER-FUNNELS.

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

To whom it may concern:

Be it known that I, WILLIAM GOLDEN, of Flint, in the county of Genesee and State of Michigan, have invented a new and useful Improvement in Funnels; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective, and

Figure 2, a vertical section of my invention.

Like letters refer to like parts in each figure.

The nature of this invention relates to an improved construction of funnels, to be employed in filling ale and beer-casks, or other casks, with any liquids, and consists in providing a vent channel for the escape of air or froth, which also conducts any surplus of liquor through a nose into a proper receptacle, thereby preventing any waste; the whole being arranged and operating as more fully hereinafter shown.

In the drawing—

A represents the upper part of a funnel, which may be of any desired shape, to the lower end of which is secured the tube B; and an extension, *b*, to the same, when desired, that the liquid should be carried in the tube to near the bottom of the cask.

The funnel is also provided with a conductor or

drip-pipe, C, the inner end of which communicates with the chamber *a* in the funnel.

This chamber is obtained by securing an apron or diaphragm, D, to the inner walls of the funnel, in such a manner that the contents of said funnel cannot enter said chamber. This apron extends downward through the tube B, as shown in fig. 2.

To make the tube B fit various sizes of bung-holes, rubber or other packing may be employed.

By the use of this funnel in filling beer-casks, the froth, instead of escaping through the bung-hole, around the tube of the funnel, and washing down the outside of the cask, will be conducted through the drip-pipe C into any proper receptacle, whence, after liquefying, it may again be poured into the cask.

This funnel will also be found useful in filling any liquid into casks, as an overflow will at once be indicated by the drip-pipe, under the end of which should be placed a proper receptacle to catch such overflow.

What I claim as my invention, and desire to secure by Letters Patent, is—

The funnel A, provided with extension-pipe or nozzle B, and with outlet or drip-pipe C and apron D, and operating substantially as herein described.

Witnesses:

H. S. SPRAGUE,
JAS. I. DAY.

WILLIAM GOLDEN.