

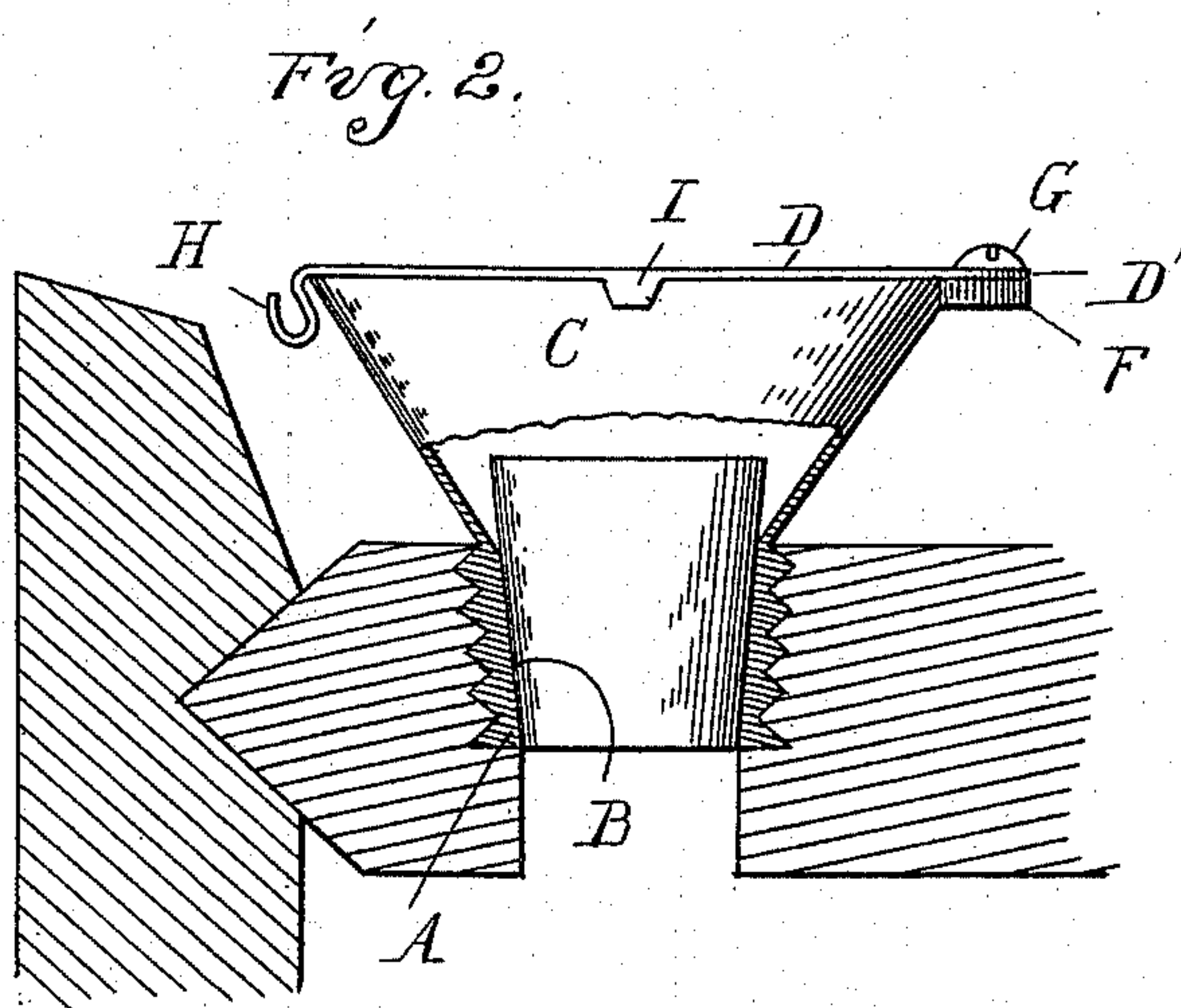
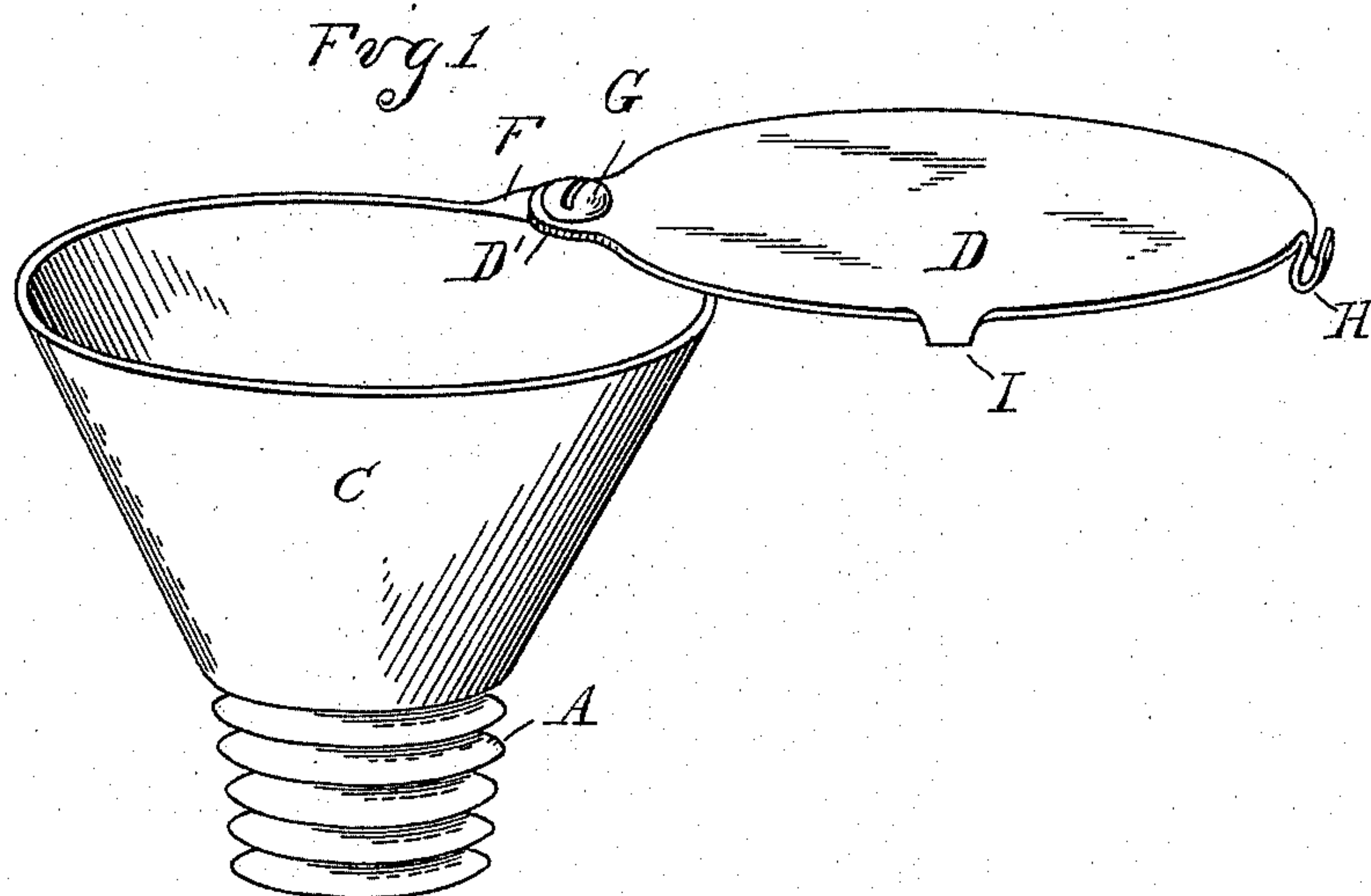
(No Model)

A. KRIMMEL.

BUNG HOLE PROTECTOR AND FUNNEL COMBINED.

No. 573,333.

Patented Dec. 15, 1896.



Witnesses  
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# UNITED STATES PATENT OFFICE.

ALBERT KRIMMEL, OF DETROIT, MICHIGAN.

## BUNG-HOLE PROTECTOR AND FUNNEL COMBINED.

SPECIFICATION forming part of Letters Patent No. 573,333, dated December 15, 1896.

Application filed February 8, 1896. Serial No. 578,556. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT KRIMMEL, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in a Bung-Hole Protector and Funnel Combined, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to a device for temporary use on barrels to close the bung-hole while the usual bung is withdrawn when the barrel is in use for retailing the contents. In such use the bung is ordinarily withdrawn for the purpose of affording vent and also to permit pouring back into the barrel any surplus which may be drawn therefrom above the quantity desired by a customer. During such use of a barrel a storekeeper, unless he tightly reinserts the bung after each use, (which is generally neglected or rendered impossible by the bung being mislaid or used somewhere else,) is often subjected to great annoyance. This commonly arises from insects crawling into the barrel, attracted by the contents, (which is especially the case with syrups, molasses, cider, and other sweetish substances,) and then the drowned insects are drained off with the contents, to the great disgust of the customer. Dust under such circumstances also finds its way into the barrel, and the quality of the goods generally suffers by too free contact with the outer air, which in grocery-stores and like places may be impregnated with the vapors of kerosene or other volatile substances kept in the store.

The object of my invention is to provide a means for closing the barrel after the bung is removed in a manner to permit the contents to be freely drawn off and surplus quantities readily poured back into the barrel without any of the contingencies above referred to.

To this end my invention consists in a combined bung-hole protector and funnel in which a metallic bushing, funnel, and cover are combined and arranged to operate as more fully hereinafter described and shown.

In the drawings, Figure 1 is a detached per-

spective view with the cover opened. Fig. 2 is a sectional elevation showing the device as in use.

A is a metallic bushing exteriorly screw-threaded and of a size to be readily screwed into the mouth of the bung-hole. The opening B, formed by this bushing, is preferably correspondingly formed to the bung-hole, so as to permit of closing it with a bung of the same character as that used for the bung-hole should occasion require to tightly close the barrel. The bushing A is provided with a circular funnel-shaped enlargement C, preferably integrally cast with the bushing and with its upper edge formed in a perfect plane.

D is a circular metal cover, preferably made of spring sheet metal of a size to completely close the top of the funnel and provided with an extension D', by means of which it is pivotally secured to a like extension F on the funnel, a pivot-pin G being used to secure the parts together in a manner to form a tight-closing cover. At a diametrically opposite point the cover is provided with a nose-piece H for turning it readily on its pivot, and a suitable stop I is formed to limit the movement of the cover.

In practice the device can be readily secured in the bung-hole of a barrel without the use of a wrench, as the funnel-shaped enlargement provides a good handhold for screwing it tightly in, and while it provides for a sufficient vent to permit of drawing off the contents it fits tightly enough to prevent the ingress of insects or dust or the too free access of air, which might cause evaporation or damage the quality of the goods.

In cases of setting the barrel aside with some of the contents left in it, it may be hermetically closed by placing a bung into the mouth of the bushing if the nature of the contents of the barrel should make it advisable, as in the case of spirits or other like volatile matter. The funnel-shaped enlargement secures to the device all the advantages of a funnel for pouring back into the barrel.

What I claim as my invention is—

1. As a new article of manufacture, a bung-bushing having a threaded exterior adapted

to be inserted and secured in a bung-opening of a barrel or cask, a funnel-shaped extension forming a continuation of the bushing, and a sealing-cover for the funnel.

- 5 2. As a new article of manufacture, a combined bung-bushing and funnel, consisting of a bushing-section having a threaded exterior and plain interior, a funnel forming an extension of the bushing, and a sliding im-

perforate cover on the funnel-section, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT KRIMMEL.

Witnesses:

M. B. O'DOGHERTY,  
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