

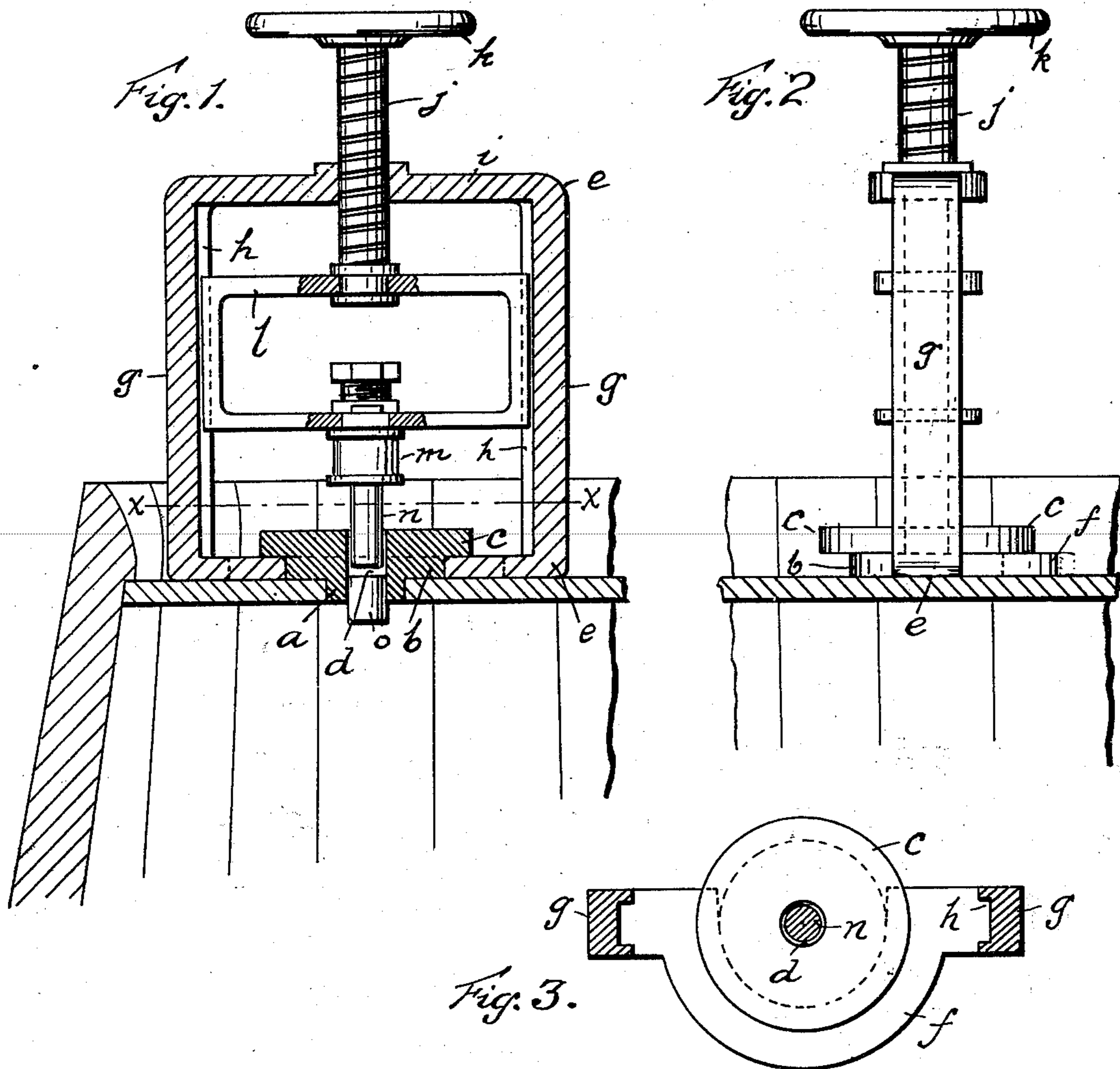
No. 664,565.

Patented Dec. 25, 1900.

T. LIVINGOOD.  
COMBINED SPIGOT AND BUNG REMOVER.

(Application filed Oct. 31, 1900.)

(No Model.)



Witnesses  
Florence Kelly.  
Katharine Kelly

Thomas Livingood, Inventor

By Attorney *E. J. Kelly*

# UNITED STATES PATENT OFFICE.

THOMAS LIVINGOOD, OF HAMBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO SOLOMON K. HOFFMAN, OF SAME PLACE.

## COMBINED SPIGOT AND BUNG-REMOVER.

SPECIFICATION forming part of Letters Patent No. 664,565, dated December 25, 1900.

Application filed October 31, 1900. Serial No. 35,037. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS LIVINGOOD, a citizen of the United States, residing at Hamburg, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in a Combined Spigot and Bung-Remover; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in means for placing a spigot in a keg or barrel, while removing the bung at the same time, without loss of liquid or injury to the keg.

The main object of the invention is to prevent destruction of the wood surrounding the bung-hole; and to this end I have so constructed my appliance that the spigot is entered as well as removed without the least injury to the keg, thus prolonging the life thereof.

The invention is fully set forth in the accompanying drawings and fully described in the following specification.

In the drawings, Figure 1 is a vertical sectional view of my appliance applied to the head of a keg. Fig. 2 is a vertical end view of the same. Fig. 3 is a sectional view taken on line X X of Fig. 1.

The opening or bung-hole in the keg is provided with a bushing *a*, having a rim *b*, which rests against the head of the keg. This rim is formed with an overhanging ledge *c* at its top, extending its entire circumference, and has a central hole *d*. An upright frame *e* is formed with a semicircular web *f*, joining the two posts *g* at the bottom, and is adapted to enter the space under the ledge *c*. These posts *g* are grooved along their inside at *h* and are joined at the top by a cross-arm *i*, through which passes a screw *j*, operated by means of a hand-wheel *k* and carrying at its lower end a block *l*, adapted to slide vertically in the grooves *h* of the posts.

To the lower side of the block *l* is secured the spigot *m*, and its lower end *n* depends a sufficient distance to force the bung *o* almost the entire distance through the head of the keg. This is accomplished by turning the hand-wheel and causing the block *l* to descend in its guideways *h* until the lower end of the spigot comes in contact with the bung *o*, when the continued turning will force the spigot down until it rests on the rim of the bushing. When this position is reached, the bung is still in the hole, but only sufficiently to hold it there. The draft-pipe is then inserted through the hollow screw *j* and the spigot *m* and forces the bung into the barrel, and the liquid is then ready to be tapped. When it is desired to remove a spigot, the hand-wheel is turned in the reverse direction, and when it clears the rim of the bushing it can be removed from its hold on the ledge *c* and will be ready to apply to another keg. The bushing *a* remains permanently in the keg, it being secured therein in any suitable manner.

Having thus fully described my invention, what I claim is—

In a combined spigot and bung-remover for barrels, constructed and arranged to be used in connection with a bushing *a* secured to the barrel and having an overhanging ledge *c*, an upright frame comprising two posts joined at the bottom by a semicircular web adapted to engage said ledge *c* and carrying a sliding block *l* provided with a spigot *m*, operated by a hand-screw and adapted to force the spigot into the bung-hole and remove the bung at one operation, substantially as set forth.

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

THOMAS LIVINGOOD.

Witnesses:

HARRY C. THOMSON,  
ED. A. KELLY.