

(No Model.)

J. C. TIFFANY.

LOCKING DEVICE FOR REMOVABLE BARREL COVERS.

No. 470,519.

Patented Mar. 8, 1892.

Fig. 1.

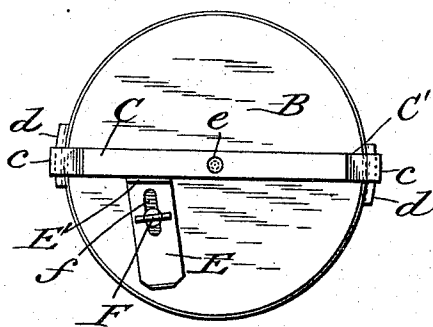


Fig. 2.

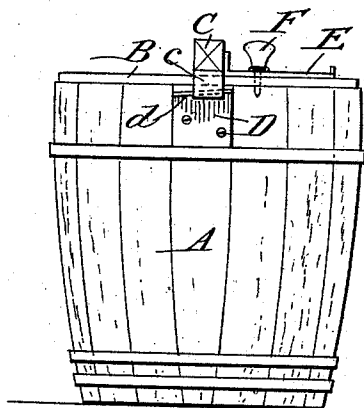
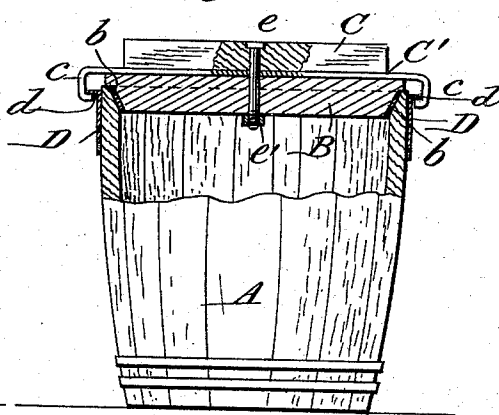


Fig. 3.



Attest:

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Inventor

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per Fred E. Vasker,
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UNITED STATES PATENT OFFICE.

JOHN C. TIFFANY, OF XENIA, OHIO.

LOCKING DEVICE FOR REMOVABLE BARREL-COVERS.

SPECIFICATION forming part of Letters Patent No. 470,519, dated March 8, 1892.

Application filed June 30, 1891. Serial No. 398,054. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. TIFFANY, a citizen of the United States, residing at Xenia, in the county of Greene and State of Ohio, have
5 invented certain new and useful Improvements in Locking Devices for Removable Barrel-Covers, &c.; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others
10 skilled in the art to which it appertains to make and use the same.

This invention relates to an improvement in devices for locking or securing barrel heads or lids to barrels which are used for the purpose of removing night-soil, garbage, slops,
15 and all other offensive refuse, the object being to provide a simple, cheap, and efficient construction for this purpose and one which can be readily operated and not liable to get
20 out of order.

The invention therefore consists, essentially, in the construction, arrangement, and combination of parts, substantially as will be hereinafter described and claimed.

25 In the annexed drawings, illustrating my invention, Figure 1 is a top view of the barrel lid or cover provided with my improved locking device. Fig. 2 is a side elevation of the same, showing the barrel and its cover in
30 a locked position. Fig. 3 is a similar view, partly in section, showing more clearly the construction and operation of the locking devices.

35 Similar letters of reference designate corresponding parts in the several figures.

A represents a barrel, cask, or other cylindrically-shaped vessel which is adapted to contain the garbage, night-soil, or other offensive matter, and B represents the cover or lid.
40 The lid is provided with a cross-piece or handle C, which is preferably made of wood and of any suitable length and shape. To this cross-piece C is secured the locking plate or bar C', having the hooked ends *c c*, which engage with
45 the plate D on the barrel, and are formed by bending the ends of the plate C' downwardly at right angles, then inwardly, as shown in Fig. 3. This bar or plate is preferably made
50 of metal. The parts C and C' may be made integral, if desired.

Passing through the cross-piece C, locking-

plate C', and cover B is a bolt *e*, having its lower end screw-threaded, which screw-threaded end is adapted to be engaged by a nut *e'* on the under side of the barrel-cover. The
55 parts C and C' are thus adapted to rotate on the cover B, so that when the cover is placed upon the barrel the locking-plate may be rotated until it comes into proper engagement with the plates D D on the barrel A. The lid
60 or cover B may be made beveled or flat on its circumferential edge. In the present example of my invention it is made with a bevel, as shown in Fig. 3. A strip of rubber or other
65 suitable packing *b* may be secured to this edge for the purpose of more effectually preventing the escape of all offensive odors from the barrel into the atmosphere.

Secured to the barrel A near the top and opposite to each other are metal strips or plates
70 D D. These plates are constructed, as shown in Fig. 2, with inclined flanges or lips *d d*. These flanges are oppositely inclined, so that when the locking-plate is rotated upon them the hooked ends *c c* will travel up their re-
75 spective inclines, and vice versa, when it is desired to remove the cover.

On the barrel-cover B is secured a lock link or plate E, having an upwardly-projecting lip or flange E' bent at a small angle to the main
80 body E. The plate E is provided with a longitudinal slot *f*, in which works a set-screw F, which passes down into the body of the barrel-cover and secures the lock-link in any desired position.
85

The operation of my improved locking device will be readily apparent from the foregoing description of the construction and arrangement of the several mechanical parts. When it is desired to secure the cover in a
90 locked position, the operator will place the cover upon the barrel and with his hand will rotate the locking-plate C' and cross-piece C until the hooked ends *c c* of the locking-plate engage with the lips *d d* on the plate D, sliding
95 thereon until they are tightly fastened. Then the operator will push the lock-link E into the position shown in Fig. 1 and by means of the set-screw F firmly clamp the same against the cross-piece C, thus holding the
100 barrel-cover B securely in position. This construction provides a very simple, efficient, and

cheap device, and in practical operation it will be found that all unpleasant odors which may arise from the contents of the barrel will be effectually prevented from escaping.

5 Numerous details may be made in the precise construction of the mechanical devices herein shown and described without departing from the spirit of my invention, and I reserve the liberty of making any such changes
10 as may come within the scope of my present improvement.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

15 The combination, with the plates D D, pro-

vided with the inclined flanges *d d*, of the cover B, provided with the rubber packing *b*, locking-plate C', and bolt *e*, having nut *e'*, said locking-plate having hooked ends *c c*, constructed substantially as described and adapted to engage the flanges *d d*, and the lock-link E, provided with flange E', slot *f*, and set-screw F, substantially as described.

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

JOHN C. TIFFANY.

Witnesses:

T. J. DONALDSON,
ABNER S. BUCK.