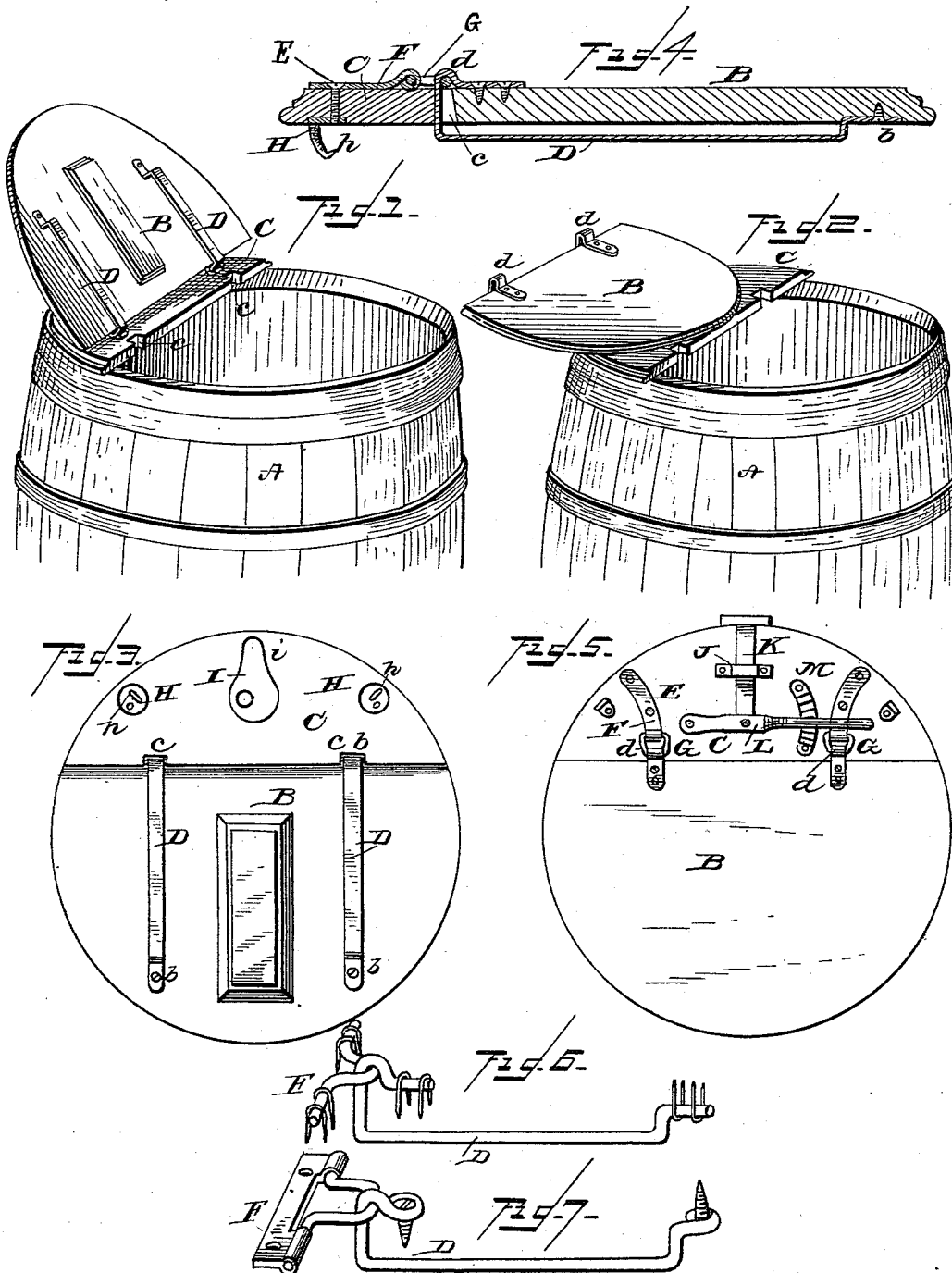


(No Model.)

J. J. O'CONNOR.  
BARREL COVER.

No. 420,309.

Patented Jan. 28, 1890.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN J. O'CONNOR, OF WELLSVILLE, NEW YORK.

## BARREL-COVER.

SPECIFICATION forming part of Letters Patent No. 420,309, dated January 28, 1890.

Application filed August 17, 1889. Serial No. 321,081. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN J. O'CONNOR, a citizen of the United States, and a resident of Wellsville, in the county of Allegany and State of New York, have invented certain new and useful Improvements in Covers for Barrels and Similar Receptacles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of the upper portion of a barrel with my improved cover applied thereto and showing the same thrown back. Fig. 2 is a similar view showing a section of the cover slid back. Fig. 3 is a bottom plan view. Fig. 4 is a vertical sectional view. Fig. 5 is a top plan showing a modification in the manner of securing the complete cover in place, and Figs. 6 and 7 are detail views of several forms of the guide rods or tracks.

Like letters of reference denote like parts throughout the several views.

My invention has relation to covers for boxes, barrels, and the like; and it consists, primarily, in providing a device of this character whereby access may be gained to the barrel or other receptacle either by lifting the cover in the ordinary manner or by sliding a section thereof; and with this and other ends in view it consists in the improved construction and combination of parts, as hereinafter more fully set forth and described.

Referring to the drawings, the letter A represents a barrel with my improved cover applied thereto. This cover is composed of two sections B and C, the former having secured to its under face guide rods or tracks D D, said rods having their inner ends extending laterally from the straight edge of the section B, and from this point they are bent upward above the upper face of the cover, and are then curved downward to form a loop, and finally extended laterally, the lateral extensions being secured to the upper face of the cover by means of screws or equivalents. The outer ends of the rods are

bent upward and then outwardly, the outward extensions being suitably secured in recesses *b b* by means of screws or equivalent devices. By this construction a space is left between the under face of the section of the cover and the horizontal portions of these rods, so as to afford sufficient room for the hinge of the section C to slide in.

It is obvious that other forms of guide rods or tracks may be employed without departing from the spirit of my invention; several of which I have illustrated in Fig. 5 of the drawings. I prefer to make the meeting edges of the cover beveled, as shown more clearly in Fig. 4 of the drawings, so as to afford a closer fit.

Secured to the upper face of section C by screws E or equivalents are metallic straps or leaves F F, having their inner ends turned so as to form hooks or eyes for the reception of loops G G. These loops also pass into the curved portions *d d* of the guide-rods, so as to form a convenient hinge when it is desired to throw the section B of the cover back.

Countersunk upon the inner face of section C, near the periphery and at opposite points thereof, are circular plates H H, formed or provided with inwardly-curved lugs or projections *h h*, which, when the cover is in position upon the barrel or the like, impinge against the outside of the chine or upper hoop thereof and serve to hold the cover firmly in position. These plates are secured within the depressions by means of the screws or equivalents passing through the straps upon the opposite face, said screws E or equivalents thus serving not only to secure these plates in position, but also to assist in securing the straps or leaves. The section C has also secured thereto an eccentric I, formed or provided with a lever or handle portion *i*, and when the cover is properly adjusted upon the top of the barrel the section B of said cover is thrown back in order to operate the eccentric. The latter is then turned until its periphery bears firmly against the inner portion of the top of the barrel, thus, in connection with the outside lugs or projections, holding the cover firmly in position.

In Fig. 5 of the drawings I have shown a

modification of the securing device. It will be seen therefrom that section C has secured upon its upper side a keeper J, through which passes a reciprocating bar K, said bar having its inner end pivotally connected to the center of a lever L, the latter having one of its ends pivoted to the section of cover, while its free or handle end is adapted to turn above a rack-bar M. The end of the reciprocating bar is provided with a cross-head, which is designed to impinge against the outer face or chine of the barrel. It will thus be seen that when the lever is operated the cross-head of the reciprocating bar may be made to bear firmly against the barrel and to be retained in this position by placing the handle of the lever in the appropriate notch in the rack-bar. It is obvious that this modification may be applied with equal advantage upon the under face of the cover, the end of the reciprocating bar in this instance bearing against the inner faces of the chine of the barrel. The inclined edge of section C is also provided with notches *c c*, in which the upwardly-turned portions of the guide bars or tracks pass, thus permitting the inclined or beveled edges of the two sections to fit closely together.

Although I have shown my device as applied to a barrel, it is obvious that the same can be applied with equal facility to any other form of receptacle by simply changing its contour.

When it is desired to lift the lid, this is accomplished in the usual manner by simply throwing the section B back upon its hinges. When, however, the barrel is in a contracted space where it is impossible to lift the lid, all that is necessary to be done is to elevate the section B until the loops of the hinges engage the horizontal portions of the guides or tracks, when the larger section of the cover can readily be slid backward.

The great advantage of my improved cover consists in the fact that it can be used under a counter by sliding backward, thereby not requiring the barrel to be disturbed in order to remove its contents. It can also be used the same as other covers by simply raising the lid. It can, furthermore, be easily ad-

justed to any barrel and fastened very securely.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a cover for barrels and similar receptacles, the combination, with a fixed section, of a movable section hinged thereto and having a slip motion at the hinges, so that it is adapted to be slid back horizontally upon said fixed section, whereby access may be gained to the barrel, either by throwing the movable section back upon its hinges or by sliding the same horizontally, substantially as set forth.

2. The combination of a cover composed of two sections, hinged connections between the said sections, screws or equivalents for securing said hinges, plates countersunk upon the inner face of the fixed section of cover and formed or provided with inwardly-curved lugs or projections, and an eccentric provided with suitable operating-handle, which projections and eccentric, respectively, are adapted to engage the outer and inner portions of the chine of a barrel, substantially as set forth.

3. A cover for barrels and similar receptacles, consisting of two sections, the ways or tracks secured to the under face of the larger section and extending laterally from the straight or inclined edge thereof into notches in the corresponding straight or inclined edge of the smaller section, and then bent upwardly and inwardly to form a loop, and the hinge-connections, substantially as set forth.

4. In a cover for barrels and similar receptacles, a cover composed of two sections, hinge-connections, screws or equivalents for securing said hinges, and plates countersunk upon the inner face of the smaller section of the cover and secured in position by one of the screws for retaining the leaves of the hinges, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOHN J. O'CONNOR.

Witnesses:

THOS. O'CONNOR,  
W. C. MIDDAGH.