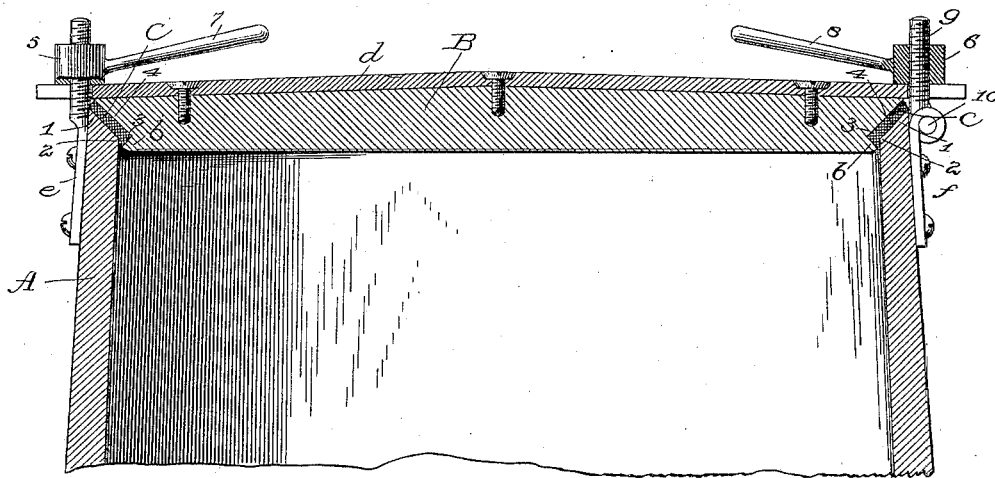


(No Model.)

L. J. WATERS.
ODORLESS TIGHT BARREL.

No. 306,369.

Patented Oct. 7, 1884.



Attest:
Walter Donaldson
F. L. Middleton

Inventor
Levi J. Waters
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Attys.

UNITED STATES PATENT OFFICE.

LEVI J. WATERS, OF BUFFALO, NEW YORK.

ODORLESS TIGHT BARREL.

SPECIFICATION forming part of Letters Patent No. 306,369, dated October 7, 1884.

Application filed July, 10, 1884. (No model.)

To all whom it may concern:

Be it known that I, LEVI J. WATERS, of Buffalo, in the county of Erie and State of New York, have invented a new and useful
5 Improvement in Odorless Tight Barrels; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention is an improvement in covers for barrels, casks, and the like, and is designed
10 especially to be used in connection with odorless barrels, or in any situation where a perfectly air-tight cover is desired.

My invention has relation to milk-cans; and it consists in the improved construction and
15 combination of parts of the same, as herein-after more fully described and claimed.

The accompanying drawing represents a central vertical section through the cover, only a portion of the barrel being shown. In this
20 drawing I have shown the cover as applied to the top of a barrel; but obviously it may be used with like effect in other situations.

a represents the barrel formed with the beveled edge or chine 1, this being the ordinary
25 construction.

The cover B may be of wood, metal, or any suitable material, and is preferably of sufficient thickness to bring its lower or inner face within or below the inner edge, 2, of the barrel-chine when the parts are in position. The
30 edge of the cover is beveled for a part of its thickness, as shown, to correspond with the chine of the barrel. The lower part, or that within the edge 2 of the chine, is left intact, so as to form a shoulder or rim, *b*, around the
35 lower edge. The beveled portion and this shoulder form, substantially, a right-angular-shaped groove or recess, 3, extending entirely around the barrel-cover and adapted to receive and hold a rubber gasket, *c*. This gas-
40 ket is preferably made of rubber, being formed

to suit the beveled face 4 of the barrel-cover, its lower edge resting upon the shoulder or rim *b*, as shown. This, together with the beveled face 4 of the cover and the elasticity of
45 the material, will keep the gasket securely in place. When pressure is applied to the cover, the gasket is forced hard upon the chine of the barrel, the beveled form of the cover and gasket, together with the chine, making a per-
50 fectly air-tight joint.

Any suitable form of compression device may be used; but the form shown is the preferred one. A bar, *d*, is secured to the top of the cover, the slotted ends of which embrace
55 the threaded shanks of the clips *e f*, secured to the sides of the barrel. Nuts 5 and 6, provided with hand-bars 7 and 8, are employed to give the required pressure to the cover. To facilitate in the removal of the cover, one of the
60 clips is provided with a hinge, (shown at 10,) which allows the shank 9 to be thrown back when the nut has been loosened slightly, so that the cover may be removed or placed in
65 position without entirely removing the nut from its shank.

Having thus described my invention, what I claim is—

The combination, in a barrel, with the cover adapted to receive a beveled gasket, as described, of compression devices, consisting of
70 the clips *e f*, one only of which is hinged, as described, the slotted bar *d*, the nuts 5 6, and hand-bars 7 8, all substantially as described, and for the purpose set forth.
75

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LEVI J. WATERS.

Witnesses:

D. W. C. STILES,
WM. A. BIRD.

Correction in Letters Patent No. 306,369.

It is hereby certified that in Letters Patent No. 306,369, granted October 7, 1884, upon the application of Levi J. Waters, of Buffalo, New York, for an improvement in "Odorless Tight Barrels," the paragraph embraced in lines 13, 14, 15, and 16 of the printed specification was improperly included therein and should be stricken therefrom, and the following inserted instead, viz: *My invention consists in the details of construction as hereinafter described and specifically claimed*; and that the Letters Patent should be read with this correction therein to conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 14th day of October, A. D. 1884.

[SEAL.]

M. L. JOSLYN,
Acting Secretary of the Interior.

Countersigned:

R. G. DYRENFORTH,
Acting Commissioner of Patents.