(No Model.)

T. W. CARRICO.

BARREL FOR OUTHOUSES.

No. 382,510. Patented May 8, 1888.

Fig. 1.

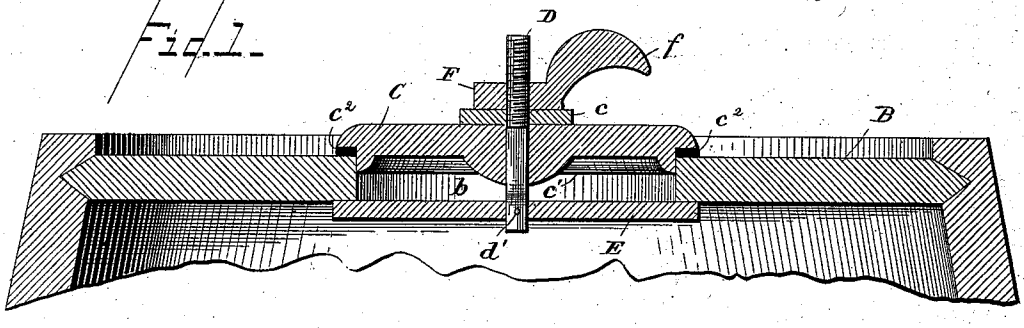


Fig. 2.

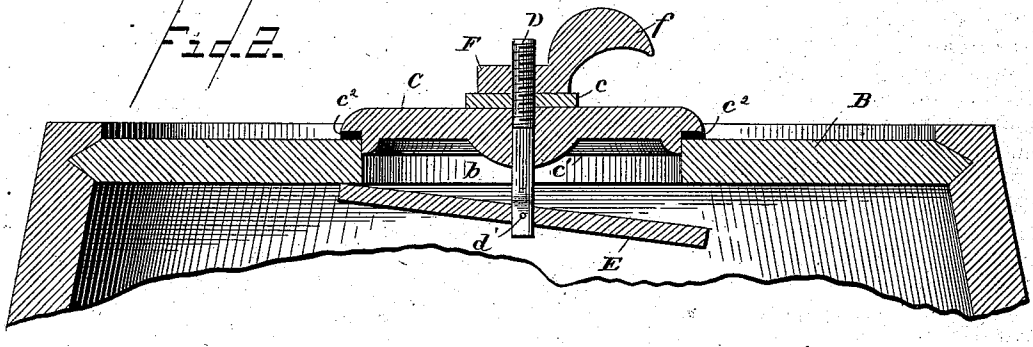


Fig. 3.

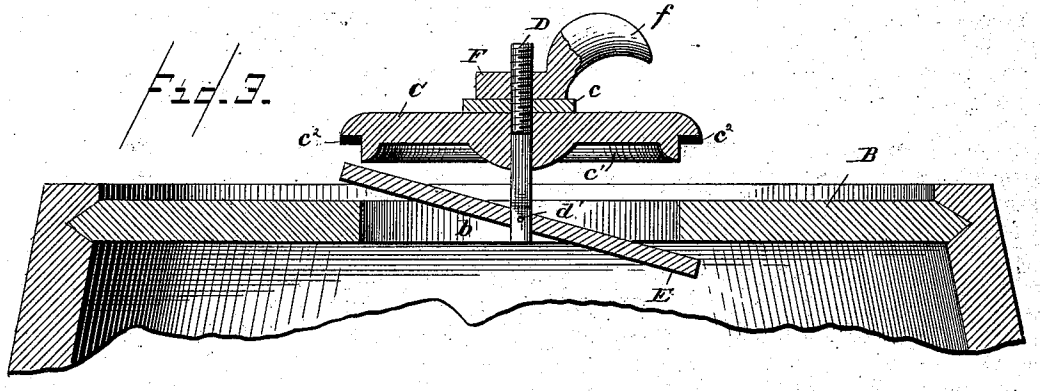


Fig. 5.

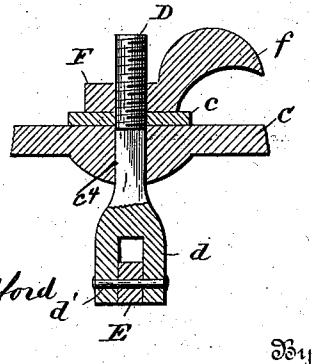
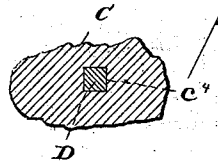


Fig. 4.



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UNITED STATES PATENT OFFICE.

THOMAS W. CARRICO, OF SAN ANTONIO, TEXAS.

BARREL FOR OUTHOUSES.

SPECIFICATION forming part of Letters Patent No. 382,510, dated May 8, 1888.

Application filed November 29, 1887. Serial No. 256,439. (No model.)

To all whom it may concern:

Be it known that I, THOMAS W. CARRICO, a citizen of the United States, residing at San Antonio, in the county of Bexar and State of Texas, have invented certain new and useful Improvements in Barrels for Outhouses, of which the following is so full, clear, and exact a description as will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawings.

The object of my invention is to provide a simple and effective means for sealing outhouse or other like barrels, which will be inexpensive in cost and simple in construction, and which will effectually prevent the escape of any offensive and unhealthy odors; and to this end it consists in certain novel features of construction and arrangement of the several parts as hereinafter described, and more particularly pointed out in the claims at the end of this specification.

In the accompanying drawings, illustrating my invention, Figure 1 is a vertical section of a portion of a barrel with my improved sealing device attached thereto, showing the same when sealed. Fig. 2 is a similar view showing my device in position ready to be clamped or fastened. Fig. 3 is a similar view showing my device while being placed in position in the receptacle. Fig. 4 is a section on the line 4 4 of Fig. 5, showing the squared portion of the bolt and the hole in which it fits. Fig. 5 is a detail section of my device, showing the clamping screw-bolt and the method of securing same to the clamping-bar.

Similar letters of reference denote corresponding parts in the several figures.

In the drawings, A designates the barrel and B the head, said head having a perforation or opening, *b*, for the reception of a funnel or sleeve, (not shown or described herein,) and the clamping-bar E.

C is a circular covering-plate designed to fit over the perforation or opening *b* in the head B, and having a square perforation, c^4, for the reception of the screw-bolt D. Said covering-plate C may be made either of wood or metal, and is made thicker in the vicinity of the perforation c^4 than elsewhere, in order to form a substantial bearing for the screw-bolt D, which is squared where it passes through the perforation c^4. On the under side of the covering-plate C, near its outer edge, it is provided with flanges, lugs, or pins c' c', which fit, or nearly so, against the side of the perforation or opening *b* in the head of the barrel A. On the under side and near the outer edge of the covering-plate C are placed or fastened rubber gasket-rings c^2 c^2 or other suitable packing material, which serve to make the receptacle or barrel both air and water tight.

The screw-bolt D is made round at its upper end and is screw-threaded, and its lower portion is squared to prevent it from turning in the perforation c^4 in the covering-plate C. The lower end of the screw-bolt D is bifurcated, as at *d*, for the reception of the clamping-bar E, to which it is pivotally secured at or near its center by means of the bolt or rivet *d'*. At its upper end the screw-bolt is provided with a nut, F, fitted on the screw-threaded bolt and having a handle, *f*, to facilitate the turning of said nut on the screw-bolt D. A washer, *c*, fits loosely on the bolt D below the nut F, as shown.

The method of operating my device is as follows: When it is desired to remove the barrel for the purpose of emptying it or for any other purpose, it is detached by raising the sleeve that connects the hopper and seat-board to the barrel. (Not shown or described in this application.) Then the nut on the top of the screw-bolt is unscrewed far enough to permit one end of the clamping-bar to be passed through the perforation or opening in the head of the barrel, as shown in Fig. 3. The clamping-bar is then pushed back under the barrel-head far enough to permit the other end of said bar to be inserted in the perforation or opening, as shown in Fig. 2. The nut is then tightly screwed up, thus bringing the clamping-bar firmly against the under side of the barrel-head, as shown in Fig. 1. To remove the sealing device from the barrel reverse the operation described above.

The object of having the clamping-bar E pivotally mounted on the screw-bolt D is to insure an equal strain on each side of the barrel-head and each end of the clamping-bar. It also serves to take up any unevenness in the barrel-head caused by warping or by one side of the head being thicker than the other. This entirely obviates the difficulty found in the old

style of clamping bar—*i. e.*, that the strain was unequal, thus permitting the escape of gases and offensive and unhealthy odors, and frequently breaking the clamping bar or the barrel-head.

It will be obvious that a receptacle or barrel constructed on the plan herein set forth will effectually prevent the escape of gases or offensive and unhealthy odors, and will entirely obviate the difficulties encountered in prior devices in this line.

Having now described the objects, uses, and advantages of my invention, what I believe to be new, and desire to secure by Letters Patent, and what I therefore claim, is—

1. The combination, with the barrel-head B, having the opening *b*, of the cover C, adapted to close said opening, the bolt D, extending through said cover and into the barrel, the clamping-bar E, longer than the width of said opening in the barrel-head, said bar being centrally pivoted by a rivet, *d'*, to the lower end of said bolt D, and a nut, F, screwed upon the upper end of said bolt for clamping said cover in position, substantially as described.

2. The combination, with the barrel-head B, having the opening *b*, of the cover C, adapted to close said opening for the purpose described, and provided with an irregular-shaped hole, c^4, the bolt D, having an irregular-shaped portion extending through the hole c^4 in said cover and into the barrel, the clamping-bar E, longer than the width of said opening in the barrel-head, said bar being centrally pivoted by a rivet, *d'*, to the lower end of said bolt D, and a nut, F, screwed upon the upper end of said bolt for clamping said cover in position, substantially as specified.

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

THOMAS W. CARRICO.

Witnesses:

JOHN J. STEVENS,

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