

F. C. WILSON.
BUNG-HOLE SPOUT.

No. 174,397.

Patented March 7, 1876.

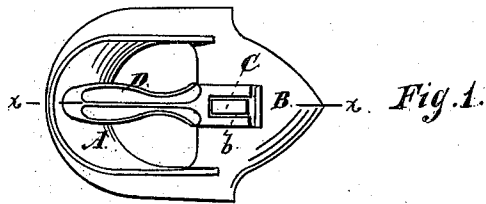


Fig. 1.

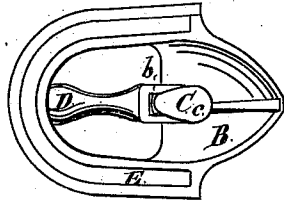


Fig. 2.

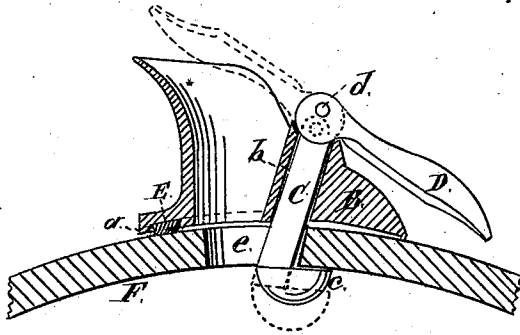


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

F. CORTEZ WILSON, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN BUNG-HOLE SPOUTS.

Specification forming part of Letters Patent No. **174,397**, dated March 7, 1876; application filed December 3, 1875.

To all whom it may concern:

Be it known that I, F. CORTEZ WILSON, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Bung-Hole Spouts, which is fully described in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a front elevation of the spout turned down; Fig. 2, a rear elevation of the same; and Fig. 3, a sectional view upon the line *x x*, Fig. 1, showing the application of the spout to a barrel.

The object of my invention is to provide a spout which may be quickly applied to a barrel, and in which the attaching device is outside of the orifice through which the liquid flows.

The invention consists in extending the base of the spout, so that the clamping-bolt may pass through this extension and not be in the way of the liquid running through the spout; and, also, in a clamping device for attaching the spout to the barrel, consisting of a sliding bolt operated by a cam-lever, as will be hereinafter described.

In the drawings, A is the spout, which is provided with a projection, B, opposite to the orifice, the whole being cast in one piece, as shown. The base of the spout is provided with a groove, *a*, in the form of a horseshoe, for the reception of rubber or any other elastic packing, E. The groove *a* is dovetailed slightly, so as to hold the packing securely in position. The spout is cast with a suitable hole, *b*, through the projection B, for the reception of a sliding bolt, C. This bolt is provided with a projection or hook, *c*, on its lower end, and to its upper end is pivoted a lever, D. The pivot-bolt *d* passes through the rounded end of the lever considerably outside of its center, and as this rounded end of the lever D finds a suitable bearing upon the upper side of the projection B, it operates as an eccentric whenever the lever is moved up and down to slide the bolt C downward or upward, as clearly shown in Fig. 3.

In Fig. 3, F represents the stave of a barrel, and *e* the bung-hole cut through it.

The spout is applied to the barrel as follows: The lever D is thrown up into the position shown in dotted lines in Fig. 3, and, by the operation of the eccentric on the end thereof, heretofore described, the bolt C is forced downward, as is also shown in dotted lines, the hole through the projection B being inclined, so that the bolt will enter the bung-hole and yet be without the orifice of the spout. The spout is then set back until the bolt C comes against the stave F, when the lever D is turned down again, and by means of the eccentric the bolt is drawn up and the stave is tightly clamped between the spout and the hook *c* on the end of the bolt.

If desired, a latch or spring-rack may be attached to the spout, so that the lever D may be firmly held in any desired position by means of the latch or rack, and thus the spout is better adapted for use with thick staves.

The elastic packing E around the base of the spout prevents the leakage of the liquid in the process of emptying the barrel, and it will be seen from the arrangement of parts, as shown in Fig. 3, that the liquid will flow freely through the orifice of the spout without being interrupted by the clamping-bolt passing through the orifice, and without daubing said bolt by coming in contact therewith in the case of viscid liquids.

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

1. The spout A, cast with a perforated projection, B, substantially as and for the purposes set forth.

2. The combination of the clamping-bolt C, eccentric lever D, and spout A B, substantially as and for the purposes described.

F. CORTEZ WILSON.

In presence of—

HEINRICH F. BRUNS,
L. A. BUNTING.