

J. A. WRIGHT.  
 BUNGS FOR BARRELS.

No. 185,614.

Patented Dec. 19, 1876.

Fig. 1.

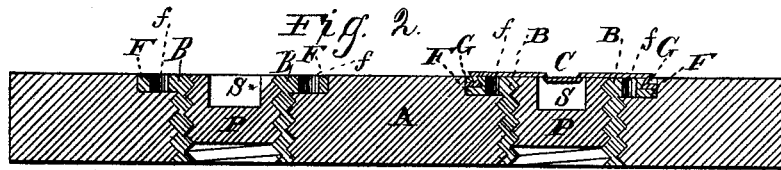
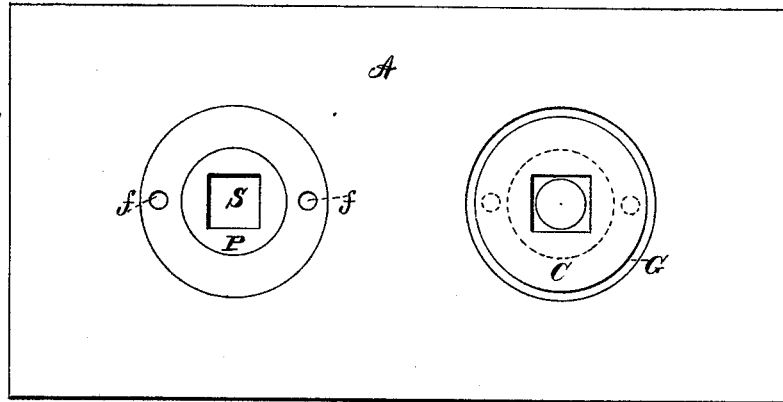
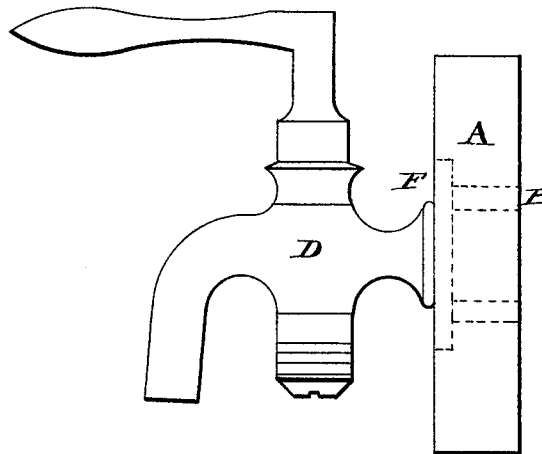


Fig. 3.



WITNESSES  
*John W. Dwyer*  
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*John A. Wright* INVENTOR

*C. M. Balloch* ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JOHN A. WRIGHT, OF KEENE, NEW HAMPSHIRE, ASSIGNOR OF ONE-HALF OF HIS RIGHT TO STEPHEN D. OSBORNE, OF SAME PLACE.

## IMPROVEMENT IN BUNGS FOR BARRELS.

Specification forming part of Letters Patent No. 185,614, dated December 19, 1876; application filed December 9, 1876.

*To all whom it may concern:*

Be it known that I, JOHN A. WRIGHT, of Keene, in the county of Cheshire and State of New Hampshire, have invented certain new and useful Improvements in Bungs for Barrels and other packages for holding liquids and oils; and I do declare that the following is a full, clear, and exact description of my invention, reference being made to the accompanying drawing, and to the letters of reference marked therein, which form a part of this specification.

Figure I is a plan view of a section of the barrel-stave embodying my invention. Fig. II is a sectional view of same. Fig. III is a sectional view of same in connection with a cock.

A is a section of stave; B, the bushing for the bung-hole; C, the seal; F, the flange on the bushing; *f*, the holes in the flange; G, the groove in the flange; P, the bung, and S the socket in the bung. D is the faucet.

The object of my invention is to render the bungs of barrels and other vessels perfectly tight, prevent leaking, and secure the bungs from injury while the barrels are being transported, and also to hermetically seal the bung, so as to prevent tampering with the contents of the barrel without detection. By a slight alteration the bushing and bung can be adapted for use in connection with a faucet.

My invention consists of a metallic bushing, bung, and seal.

The bushing has a flange on the outer end and a male and female screw, as shown in Fig. II. The flange has a shallow groove cut in the outer edge, and two small holes, as shown in Fig. I. The bushing is screwed and unscrewed by means of the holes in the flange, and they also permit the insertion of head-

less screws, penetrating the wood for greater security. The female screw receives the bung. The bung has a square socket in the outer end, as shown in Fig. I, for the insertion of a key or wrench. A seal, made of sheet metal, of the proper size, is placed over the bushing and bung, and, by means of a punch or die, is firmly embedded in the groove G and socket S, as shown in Figs. I and II.

Bushings and bungs or stoppers may be made of the proper size to use in connection with faucets. The screw end of the faucet, being identical with the bung or stopper, may be inserted into the bushing, and vice versa. When it is desired to carry or transport the barrel or vessel, in this case the faucet may be removed and the bung inserted, avoiding the danger of breaking the faucet, or loss of contents, or unnecessary loss of time.

Having thus fully described my invention, I claim—

1. The metallic seal C, firmly embedded in the socket S and groove G, hermetically sealing the contents, as and for the purpose described and shown.

2. The bushing B, having grooved flange F, and the bung P, as and for the purpose described and shown.

3. The bushing B, with grooved flange F, having perforations *f*, bung P, with socket S, and seal C, arranged and combined as shown and described, and for the purpose specified.

In testimony whereof I have hereunto affixed my signature this 4th day of December, 1876, in presence of two witnesses.

JOHN A. WRIGHT.

Witnesses:

JAMES O. AMADEN,

F. W. CHASE.