No. 676,701. Patented June 18, 1901.

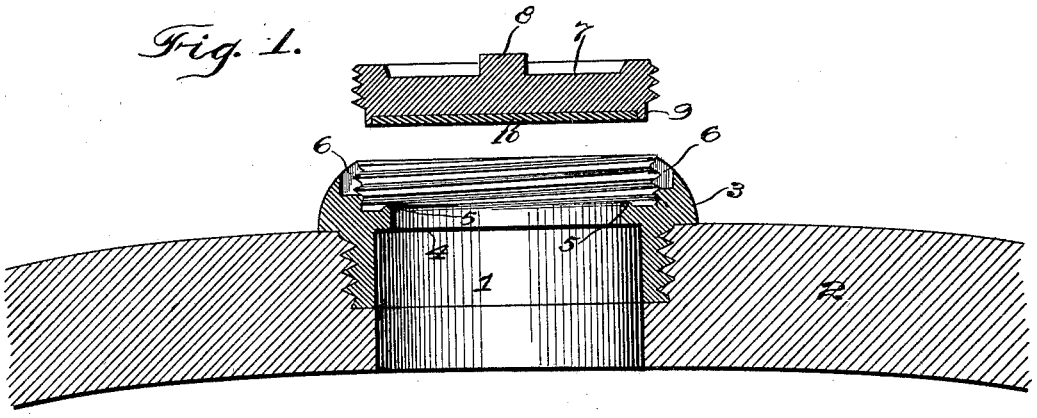
J. SCIOR.

BUNG.

(Application filed Apr. 15, 1901.)

(No Model.)

Fig. 1.



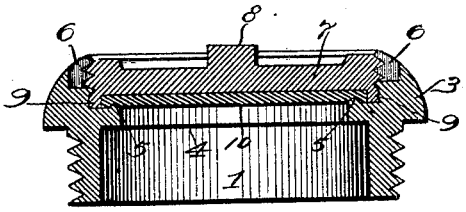


Fig. 2.

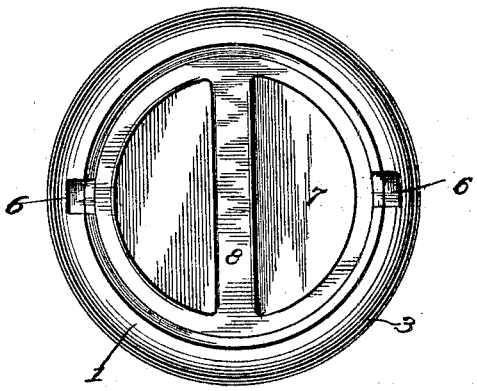


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN SCIOR, OF MANSFIELD, OHIO.

BUNG.

SPECIFICATION forming part of Letters Patent No. 676,701, dated June 18, 1901.

Application filed April 15, 1901. Serial No. 55,969. (No model.)

To all whom it may concern:

Be it known that I, JOHN SCIOR, a citizen of the United States, residing at Mansfield, in the county of Richland and State of Ohio, have invented a new and useful Bung, of which the following is a specification.

This invention relates to bungs for barrels and the like, and has for its object to provide an improved sectional bung in which the connection between the parts thereof is rendered liquid-tight, so as to effectually prevent escape of liquid and also to prevent the latter from gaining access to the jointed connection and corroding and injuring the same. It is, furthermore, designed to prevent the bushing-section of the bung from becoming loosened and leaky by the repeated application and removal of the plug-section, as is a well-known disadvantage of the bungs now in common use.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claim, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claim without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a sectional view of the improved bung with the parts thereof separated to show the original condition thereof before they have been assembled. Fig. 2 is a sectional view of the parts assembled. Fig. 3 is a plan view thereof.

Like characters of reference designate corresponding parts in all of the figures of the drawings.

The present device comprises a bushing-section 1, which has a smooth interior and a screw-threaded exterior, so as to be screwed into the bung-hole of a barrel 2 in the ordinary manner. The outer end of the bushing is provided with an outwardly-thickened rim portion 3, and alined with the inner end of this rim there is provided an internal marginal flange 4, the outer face of which is slightly concaved to form the outwardly-directed marginal rib 5 at the outer edge of the flange. The interior of the bushing, which lies outwardly from the inner flange, is screw-threaded, and at diametrically opposite points the screw-threads are interrupted by the corresponding sockets or seats 6, which open outwardly through the outer end of the bushing and are for the reception of a wrench to screw the bushing into a bung-hole.

For closing the bushing there is provided a stopper or plug 7 in the form of a disk which is marginally screw-threaded to fit the internal screw-threads of the bushing and is provided with an external diametric rib 8 for engagement by a wrench for screwing the plug into the bushing. The inner end of the plug is recessed or provided with a cylindrical marginal flange 9, thereby forming a seat within which is run a soft metallic packing 10, into which the marginal rib 5 on the internal seat of the bushing is designed to be forced when the plug is screwed tightly against the seat, as shown in Fig. 2 of the drawings, thereby forming a liquid-tight joint between the bushing and the plug. The purpose of having the metallic packing held within a seat or marginal flange is to prevent the packing from being spread outwardly into the screw-threads under the pressure of the plug.

What is claimed is—

As a new article of manufacture, a bung composed of a bushing-section, and a plug-section, the former section having an external outer terminal marginal flange, the remaining external portion being screw-threaded, an inner marginal flange having an upstanding marginal rib at the outer edge thereof, the interior of the bushing being screw-threaded from the flange outwardly, and provided with wrench notches or sockets formed in the internally-screw-threaded part and terminated short of the inner flange, and the plug-section being externally screw-threaded to fit the bushing, and provided at its inner end with a cylindrical flange flush with the outer margin thereof, a soft metallic packing held within the flange, and an intermediate wrench-re-

ceiving portion provided upon the outer end of the plug, the space between the upstanding marginal rib and the adjacent inner side of the bushing being constructed to receive the marginal flange of the plug to prevent spreading of the packing into the screw-threads and the wrench-seats.

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

JOHN SCIOR.

Witnesses:
HENRY WEBER,
JOHN WEAVER.