Aug. 19, 1947. A. B. WILSON 2,426,134

BUNG AND SPIGOT LOCKING EQUIPMENT FOR BARRELS AND CONTAINERS

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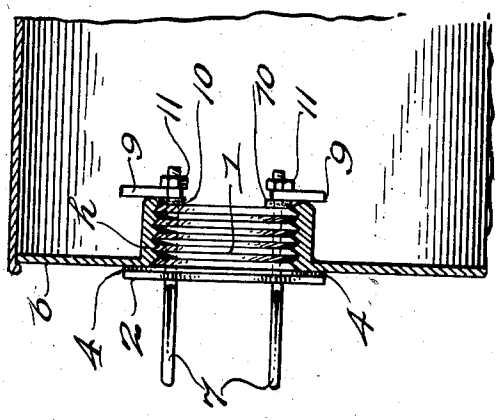


Fig. 2.

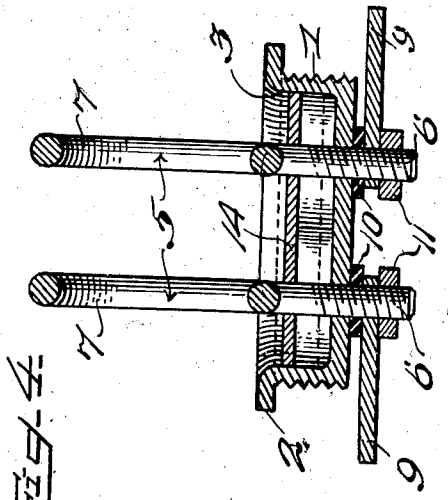


Fig. 4.

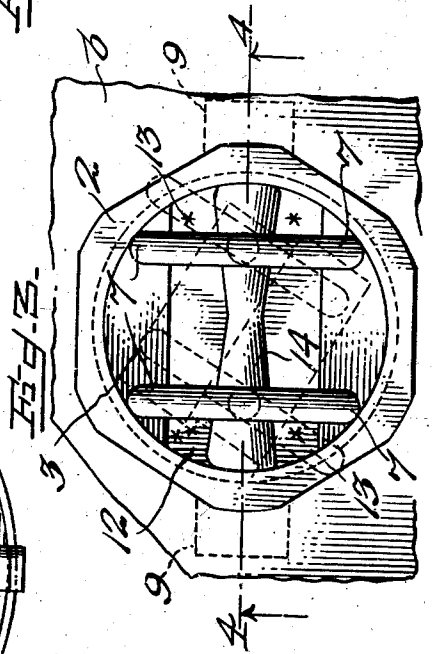


Fig. 3.

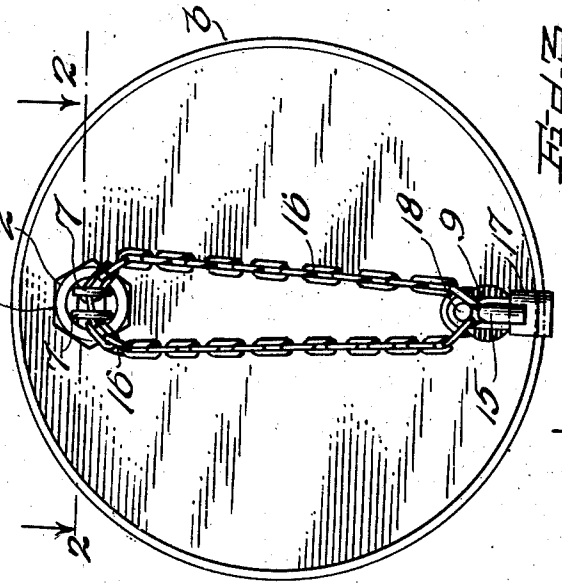


Fig. 7.

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BUNG AND SPIGOT LOCKING EQUIPMENT FOR BARRELS AND CONTAINERS

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2 Claims. (Cl. 220—55)

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My invention relates to improvements in bung and spigot locking means for barrels and the like.

The primary object of the invention is to provide the usual barrel in which a spigot is installed with bung and spigot locking equipment of simple, inexpensive construction, whereby surreptitious removal of the contents of the barrel is positively prevented.

Another object is to provide bung and spigot locking equipment of the type and for the purpose above set forth which is easy to install, foolproof, and adapted for prolonged use without developing defects from wear or misuse.

To the accomplishment of the above, and subordinate objects presently appearing, a preferred embodiment of my invention has been illustrated in the accompanying drawing, set forth in detail in the succeeding description, and defined in the claims appended hereto.

In said drawing:

Figure 1 is a view in end elevation of a barrel having my improved bung and spigot locking equipment applied thereto.

Figure 2 is a view in horizontal section taken on the line 2—2 of Figure 1 and drawn to an enlarged scale, with the chain eliminated for the sake of clearness of illustration.

Figure 3 is a fragmentary view in end elevation illustrating the bung and drawn to a further enlarged scale, and

Figure 4 is a view in horizontal section taken on the line 4—4 of Figure 3.

Referring to the drawing by numerals, in the preferred practice of my invention, as illustrated, a screw plug-type bung is provided which is similar, with the exceptions presently noted, to the usual barrel bung, and includes an externally threaded plug 1 for turning into a bung hole *h* of a barrel *b*, an outer flange 2, and a socket 3. The usual gasket 4 is provided around the plug 1.

According to my invention, the described plug 1 is equipped with a pair of latch handles 5 of eye bolt form including shanks 6 threaded through the bottom of the bung 1 at diametrically opposite sides of the socket 3. The shanks 6 terminate outwardly of the bung 1 in hand grip-forming, closed loops 7. A pair of bar-like keepers 9 are provided on the inner ends of the shanks 6 in the rear of the plug 1 to extend at right angles from said shanks, and in one end of which the shanks 6 are threaded. A resilient lock washer 10 is provided on each shank 6 between the keeper 9 and the bottom of plug 1, and a lock nut 11 on the shank 6 in the rear of the keeper 9. The

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lock washers 10 and lock nuts 11 clamp the keepers 9 therebetween and to the shanks 6 to extend from said shanks 6 at right angles to the planes of the loops 7.

A reinforcing plate 12 is spot-welded, as at 13, in the socket 3 to the bottom of the plug 1 with a raised rib 14 thereon through which the shanks 6 extend.

The described bung is designed to be used, as shown in Figure 1, in one end of the barrel *b* diametrically opposite the usual spigot 15 in said end, and for a particular purpose presently seen.

To apply the bung, the plug 1 is turned home into the bung hole *h* with the latch handles 5 disposed upon opposite sides of the line of the bung and said spigot. The latch handles 5 are then turned to dispose the loops 7 parallel with the plane of the spigot 15, in which position of said handles the keepers 9 under rotation thereof will be extended beyond the bung hole *h* and said bung latched in the bung hole. At this point, it is explained that the keepers 9 are of the requisite length to be turned by the latch handles 5 behind the plug 1 into unlatching positions in which said keepers may be inserted through the bung hole *h*, and as shown in dotted lines in Figure 3. The resilient lock washers 10 provide for feeding of the latch handles 5 outwardly in turning said handles to dispose the keepers 9 in the described latching positions, and yielding frictional engagement of said washers 10 with the bottom of the plug 1 to frictionally retain the keepers 9 in latching position, and tighten the plug 1 in the bung hole *h*.

A chain 16 and padlock 17 are provided for locking the latch handles 5 and the handle 18 of the spigot 15 against being turned, said chain 16 being extended through the loops 7 of said latch handles 5 with the shackle 19 of the padlock 17 extended through the end links of said chain and said shackle straddling the handle 18 and body of the spigot 15 behind the outlet end of said spigot to depend from the spigot with the body of the padlock behind said outlet end and the end links of said chain underneath said handle 18. Thus, both the bung and the spigot are locked against being turned by unauthorized persons.

The foregoing will, it is believed, suffice to impart a clear understanding of my invention without further explanation.

Manifestly, the invention, as described, is susceptible of modification, without departing from the inventive concept, and right is herein reserved to such modifications as fall within the scope of the appended claims.

What I claim is:

1. A bung for insertion in the bung hole of a barrel comprising a threaded plug, a pair of latch handles of eye bolt form threaded through said plug in diametrically opposite sides of the same with loop ends disposed forwardly of the plug for use in rotating said handles, and a pair of bar-like keepers in the rear of the plug having inner ends fixed on said handles for rotation thereby, said keepers being rotatable by said handles into side by side oppositely extending relation to permit insertion of the same through said bung hole.

2. In combination, a bung for a barrel having a bung hole in one end thereof, said bung comprising a plug adapted to be threaded into said hole, a pair of rotary eye bolts threaded through said plug at diametrically opposite sides thereof for rotation therein, the eyes of said eye bolts forming front end handles for rotating the bolts, a pair of bar-like keepers fast on the rear ends of said eye bolts and swingable under rotation of the eye bolts into oppositely extending outstanding position beyond the edge of the plug to prevent said plug from being withdrawn from said bung hole and when the eyes are rotated into side-by-side parallel relation, a spigot for the barrel adapted to be arranged in said end of the barrel diametrically opposite said plug and having a handle, a padlock having a shackle straddling the spigot and handle, and a fastening chain trained through said eyes and having end links fastened by said shackle underneath the handle of the spigot, said keepers being swingable into side-by-side relation under rotation of said eye bolts to permit the same to pass through the bung hole when said plug is being threaded into said bung hole.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,996,182	Walker	Apr. 2, 1935
772,516	Jahn	Oct. 18, 1904
1,510,289	Marsh	Sept. 30, 1924

FOREIGN PATENTS

Number	Country	Date
370,426	Germany	Mar. 2, 1923
111,945	Great Britain	Dec. 20, 1917