

No. 888,922.

PATENTED MAY 26, 1908.

T. PENDERGAST.
BUNG BUSHING.

APPLICATION FILED APR. 13, 1906.

Fig. 1.

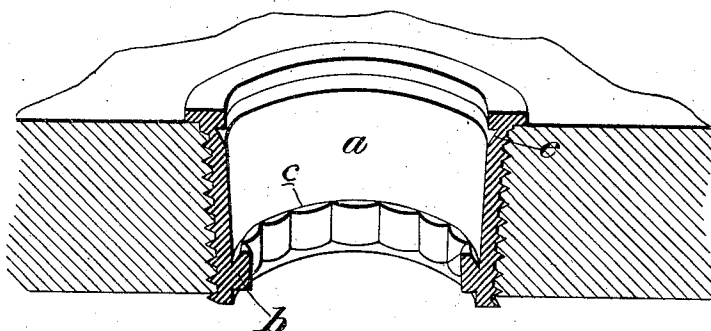


Fig. 2.

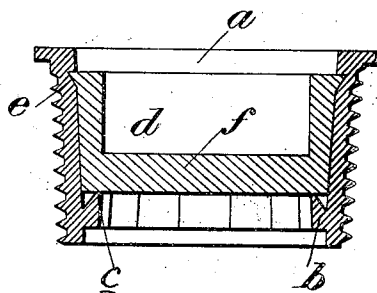


Fig. 3.

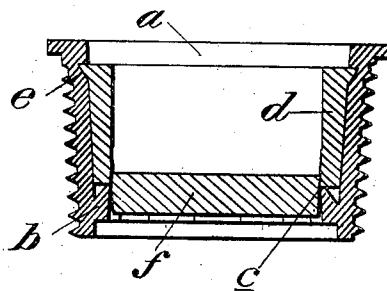
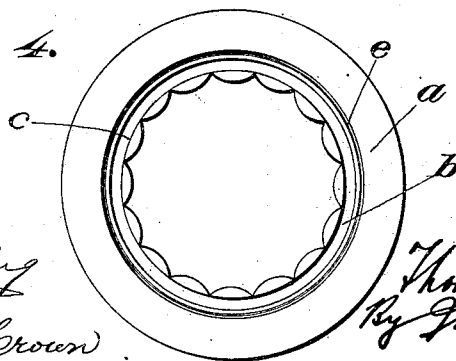


Fig. 4.



WITNESSES

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THOMAS PENDERGAST, OF LANCASTER, PENNSYLVANIA.

BUNG-BUSHING.

No. 888,922.

Specification of Letters Patent.

Patented May 26, 1908.

Application filed April 13, 1906. Serial No. 311,573.

To all whom it may concern:

Be it known that I, THOMAS PENDERGAST, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Bung-Bushings; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention is an improved tapping bush having a twofold purpose and advantage. First, it affords means for a positive internal engagement by a corrugated wrench or turning tool for screwing the bush in and out of its place in the barrel-head. Second, it provides an annular cutting edge beneath the cup-shaped wooden bung or plug, so that the central web of the bung can easily be cut from its tubular body and driven into the barrel.

In the accompanying drawings, which form a part of this specification: Figure 1 is a sectional perspective view of the bung, shown exteriorly threaded and screwed into a fragment of the head of a barrel. Fig. 2 is a central vertical section of the bush with its wooden bung or plug in place. Fig. 3 is a similar section showing the web of the bung as it is being cut from its tubular body and driven down into the barrel. Fig. 4 is a top plan view of the bush.

The metal bush *a* has at its lower end an internal scalloped flange *b*, of substantial thickness, desirably about a quarter of an inch. This scalloped flange *b* is designed to receive the counterformed body of a wrench or turning tool (not shown) by which means the tool can firmly grip the bush interiorly for screwing or unscrewing it, without slipping and without scarring or mutilating the metal, the engagement being continuous around the scalloped flange. This feature overcomes a common objection to the ordinary styles of tapping bushes having bottom flanges with opposite notches for engagement by the lugs or keys of the wrench, and which are oftentimes scarred or mutilated when the bush offers resistance to turning under action of the tool. The said flange *b* is further constructed with an annular cutting edge *c*

on its upper surface, which edge may extend around the bases of the scallops, the flange *b* being downwardly beveled around such cutting edge *c*. Thus the cutting edge is presented to the bottom of the cup-shaped wooden plug or bung *d*, shown in Fig. 2 seated on the flange and having its top edge swelled into the annular groove *e* in the bush. By this means, when it is desired to drive in the frangible web *f* of the bung, for the purpose of inserting the spigot or faucet to tap the barrel, this can be done easily by driving down this central web *f* against said cutting edge *c*, as shown in Fig. 3, thus cutting the web from the remaining tubular body of the bung and force it into the barrel. At the same time, liability of improperly breaking the web or of splitting the same, or splitting the remaining tubular part of the bung, is avoided, and such tubular portion of the bung is secure in its place since it is supported by the flange *b*, also, by virtue of this construction, it is unnecessary to employ bungs having the usual cylindrical kerfs either above or beneath the frangible web *f*, for the purpose of facilitating the driving in of the web, because this is made an easy matter by the annular cutting edge *c*. Hence one operation may be saved in the manufacture of the wooden bung.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. A bung bushing having at its lower end an internal flange provided with a raised annular cutting edge, in combination with a cup-shaped wooden bung fitted in said bushing, whereby the central web of said bung can be cut from its tubular body portion and driven down into the barrel.

2. A metallic bung-bushing having at its lower or inner end an internal scalloped flange with a beveled upper surface terminating in a raised inner marginal cutting edge, substantially as and for the purposes described.

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

THOMAS PENDERGAST.

Witnesses:

REDMOND CONYNGHAM,
E. B. GROFF.