

J. F. Applegate,

Bung.

No. 106023

Patented Aug. 2. 1870.

Fig. 1

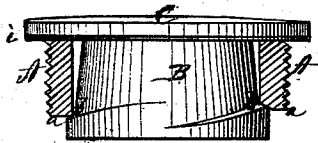


Fig. 2

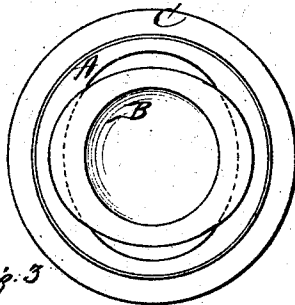
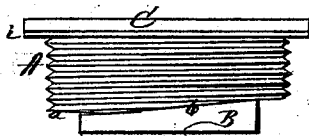


Fig. 3



Witnesses
C. L. Curtis
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Joseph F. Applegate
per *Alexander Mason*

Atty.

United States Patent Office.

JOSEPH F. APPLGATE, OF NEW ALBANY, INDIANA.

Letters Patent No. 106,023, dated August 2, 1870.

IMPROVEMENT IN BUNGS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, JOSEPH F. APPLGATE, of New Albany, in the county of Floyd and in the State of Indiana, have invented certain new and useful Improvements in Bungs for Barrels; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "bung for barrels," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a vertical section;

Figure 2 is a bottom view; and

Figure 3 is a side view.

A represents a metallic ring, having a circular circumference with screw-threads, to be screwed into the bung-hole of a barrel.

The opening or inside circumference of the ring A, instead of being circular as the outside, is elongated or elliptic, as shown in fig. 2.

The lower edge of the ring A is provided with inclined projections, *a a*.

B represents the bung, provided at its upper end with the cap C, on the under side of which is suitable packing, *i*, all around the bung.

The lower end of the bung is elongated or elliptic, to correspond with the opening in the ring A; but a short distance above said lower edge it is cut out so as to form the inclined planes *b b*. These inclined planes, with the inclined projections *a a* on the ring A, act as wedges to tighten the bung.

The ring A being screwed into the bung-hole of the barrel, the bung B is inserted through the same. By now turning the bung one-half around, the inclined planes *b b* and inclined projections *a a* come in contact so as to wedge the cap C with its packing *i* tightly down upon the barrel.

In the same manner the bung is readily removed by merely giving it a half turn in the opposite direction.

The projections *a a* may be placed on the inside of the ring A, instead of on the lower edge, in which case the inclined planes *b b* must be formed higher up on the bung B, or the ring A made wider, so as to act in the same manner as above described.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The screw ring A, provided with an elongated or elliptic opening, and with inclined projections, *a a*, substantially as and for the purposes herein set forth.

2. The bung B, constructed as described, with the cap C and packing *i* at its upper end, the lower end being elliptic, and provided with the inclined planes *b b*, substantially as and for the purposes herein set forth.

3. The combination of the ring A, having inclined projections *a a*, bung B, having inclined planes *b b*, and packing *i*, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 19th day of July, 1870.

JOSEPH F. APPLGATE.

Witnesses:

C. L. EVERT,

A. N. MARR.