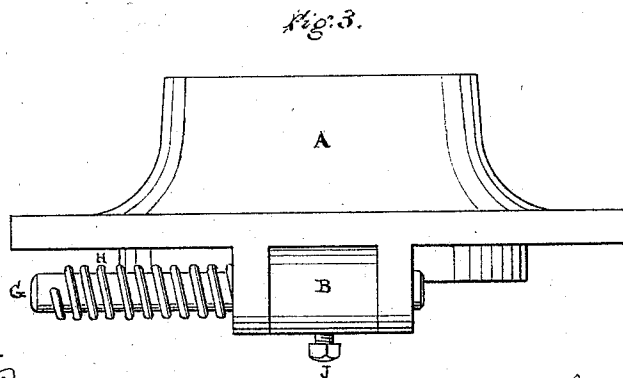
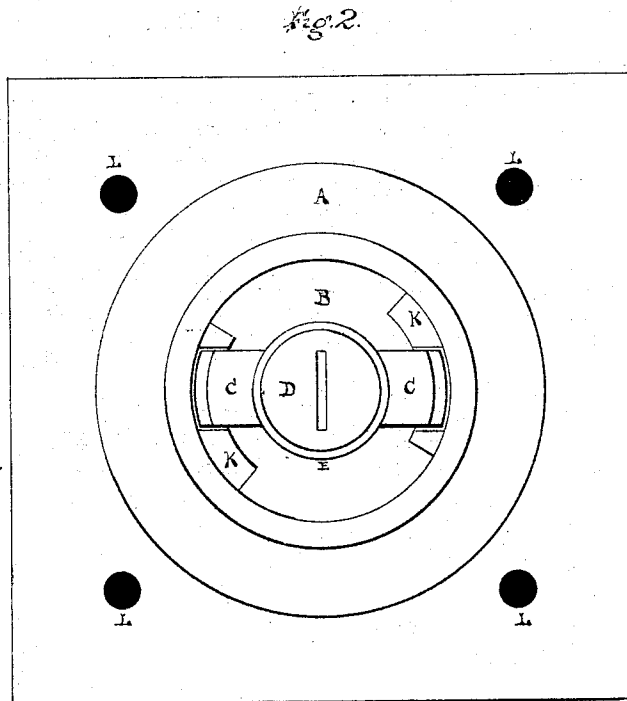
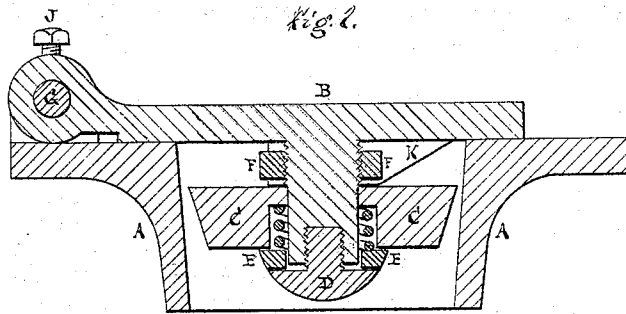


JOHN F. C. RIDER.

Improvement in Devices for Closing the Mouths of Casks.

No. 125,220.

Patented April 2, 1872.



Witnesses.

Helen A. Rider

E. A. Rider

Inventor.

John F. C. Rider

UNITED STATES PATENT OFFICE.

JOHN F. C. RIDER, OF SOUTH NEWMARKET, NEW HAMPSHIRE.

IMPROVEMENT IN DEVICES FOR CLOSING THE MOUTHS OF CASKS.

Specification forming part of Letters Patent No. 125,220, dated April 2, 1872; antedated March 26, 1872.

I, JOHN F. C. RIDER, of South Newmarket, in the county of Rockingham and State of New Hampshire, have invented a new Device for Closing the Mouths of Casks, of which the following is a specification:

My invention relates to a bushing and valve so arranged in the cask as to be opened and closed readily, always in the cask, no bung to be cut out, drove in, or mislaid.

Figure 1 of drawing is a sectional view; Fig. 2, a top view; Fig. 3, an end view. A is a bushing having a large flange at its base. This is to be upon the inside of the cask, the smaller part being fitted to the bung-hole, and the flange secured to the stave by means of screws at L L L. This also forms the seat for the valve B. C is a button which turns upon B; D, screw; and E, washer, which secures C in its place upon B. F is a nut, to be used in case the valve is covered with any flexible substance to retain it in its place. G is a pin passing through A and B, thus forming a hinge for B to swing upon; H H, springs; J, set screw to fasten B upon pin G; K K, incline planes, upon which the button C draws valve

B to its seat. This invention is more particularly adapted to beer and liquor casks, as it can be opened with ease by turning the button C off the incline planes K K and pushing the valve B into the cask, the spring H bringing it back to place as soon as the obstruction is removed, thus saving much expense upon repairs of casks.

Claims.

I claim as my invention—

1. The combination of the bushing A, valve B, button C, incline plane K K, pin G, and spring H, substantially as and for the purpose hereinbefore set forth.

2. The combination of bushing A with a swinging or sliding valve, B, which is brought to and retained in its place upon its seat by means of a spring H, substantially as and for the purpose hereinbefore set forth.

JOHN F. C. RIDER.

Witnesses:

HELEN A. RIDER,
CARRIE A. RIDER.