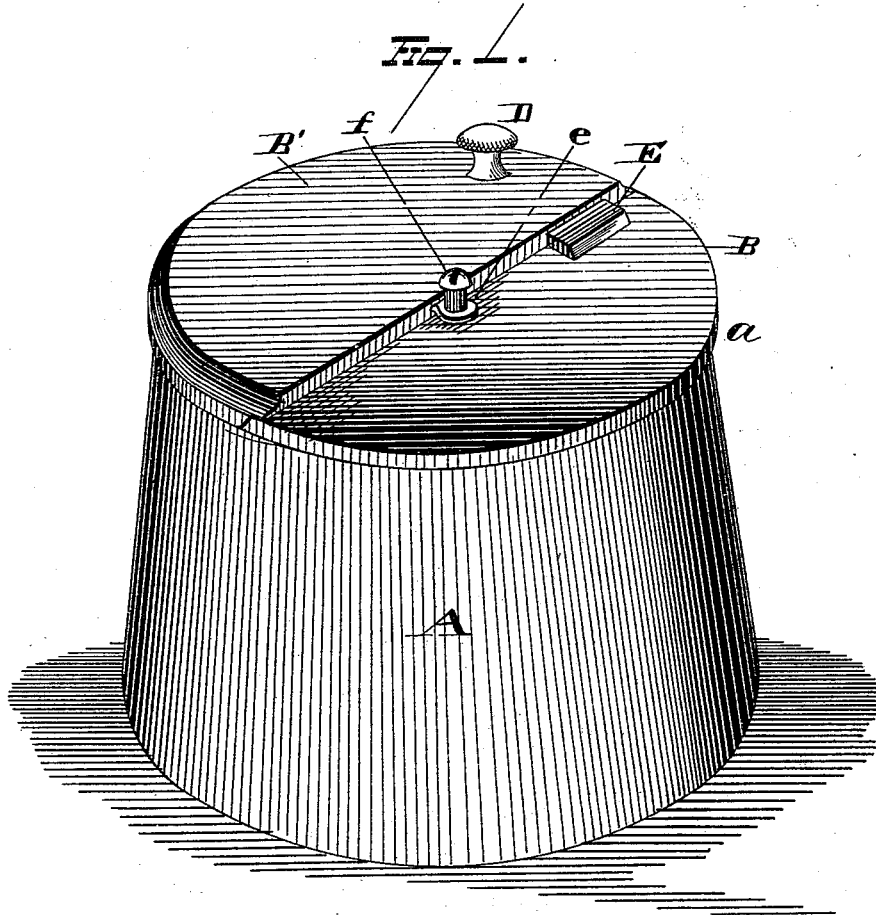


L. BLACK & R. D. McMANIGAL.
Barrel-Cover.

No. 213,316.

Patented Mar. 18, 1879.



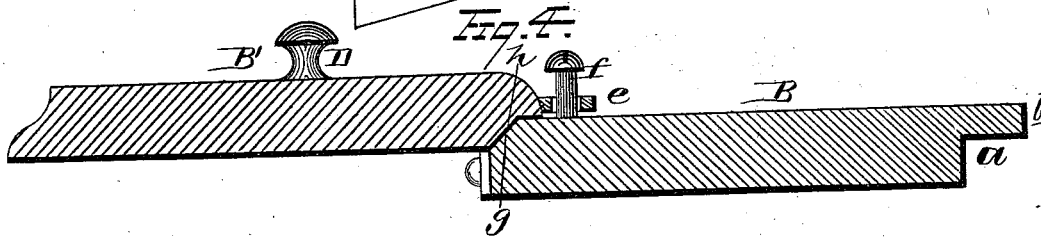
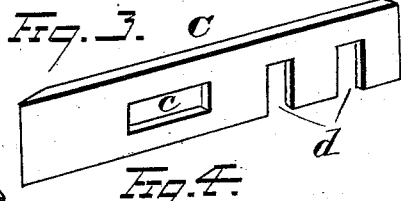
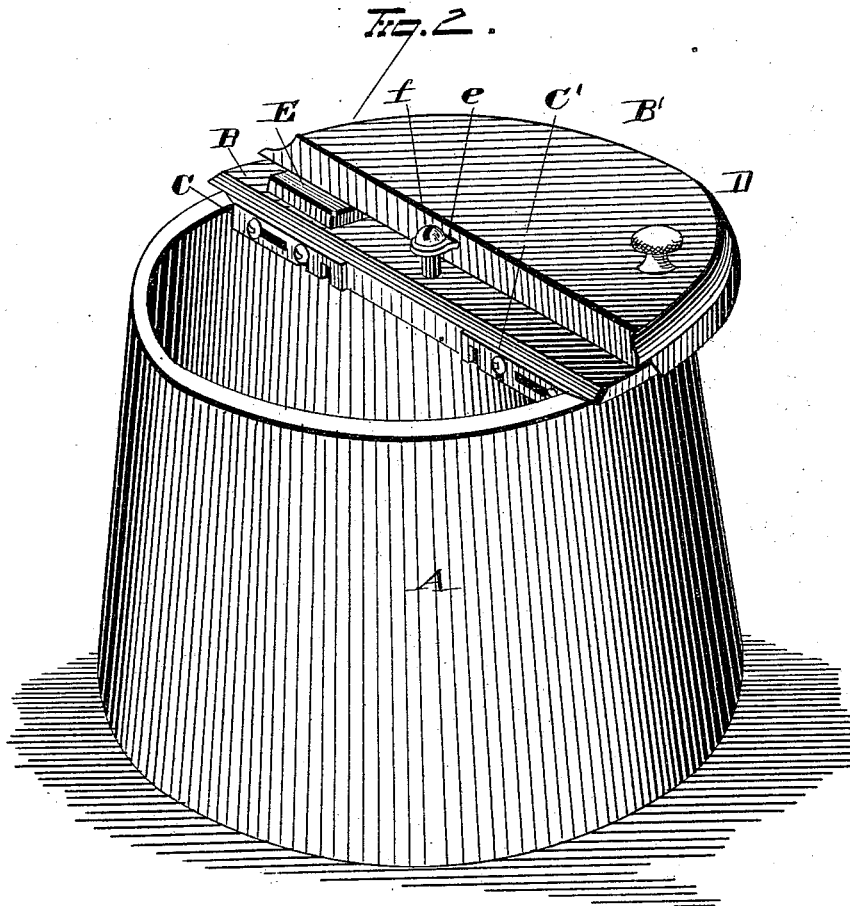
WITNESSES
A. M. Bright.
D. P. Cowl

INVENTOR
Levi Black.
R. D. McManigal.
By Sargent & Sargent ATTORNEY

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A. W. Bright
O. P. Cowl

INVENTOR

Levi Black

R. D. McManigal
ATTORNEY

By Serrett & Serrett

UNITED STATES PATENT OFFICE

LEVI BLACK AND ROBERT D. McMANIGAL, OF LOGAN, OHIO.

IMPROVEMENT IN BARREL-COVERS.

Specification forming part of Letters Patent No. **213,316**, dated March 13, 1879; application filed January 4, 1879.

To all whom it may concern:

Be it known that we, LEVI BLACK and ROBERT D. McMANIGAL, of Logan, in the county of Hocking and State of Ohio, have invented certain new and useful Improvements in Barrel-Covers; and we 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

Our invention relates to an improvement in barrel-covers; the object being to provide a removable sectional cover for barrels, which can be readily secured in place, one of the sections of the cover being movable, and adapted to be swung around upon the opposite section when it is desired to gain access to the interior of the barrel.

Our invention consists in a barrel-cover made in semicircular sections, centrally pivoted to each other, one of said sections having vertically and longitudinally adjustable fastening-plates secured to the opposite ends of its inner edge, whereby the cover may be readily secured to a barrel by adjusting the fastening-plates in such a manner that they may be driven into the barrel-chine, and retain the cover against displacement.

Our invention further consists in a barrel-cover composed of two semicircular sections, centrally pivoted to each other, the adjacent edges of said sections being beveled, and the beveled edge of one section adapted to overlap the corresponding beveled edge on the opposite section, whereby a tight joint between the two sections is secured, and the movable section is easily rotated and carried upon the top of the fixed section, the beveled edges serving as cams to raise the movable cover when a rotary movement is imparted thereto.

In the accompanying drawings, Figure 1 is a view, in perspective, of our improved barrel-cover when in its closed position. Fig. 2 is a similar view, showing the cover when open. Fig. 3 represents the fastening devices. Fig. 4 is a vertical section of the cover when closed.

A represents a barrel, tub, or other similar receptacle. B B' are the two sections of our im-

proved cover. Section B is constructed with a rabbet, *a*, around its outer edge, thus forming a shoulder, *b*, which seats upon the top of the barrel or other receptacle. C C' are fastening-plates, each being provided with a longitudinal slot, *c*, and one or more vertical slots, *d*. These plates are adjusted so that their outer extremities will extend slightly beyond the inner surface of the barrel. Section B is then secured within the top of the barrel by forcing the extreme ends of the fastening-plates into the chine, and it is thereby held from rotary movement within the same.

Section B' is provided with an eye, *e*, which fits over a screw or rivet, *f*, attached to section B of the cover. The adjacent edges of sections B and B' are beveled, as shown at *g* and *h*, the latter overlapping the former. The beveled edges *g h* serve two important functions: First, when the rotary section is closed, the beveled edges operate to insure a practically tight joint, regardless of the expansion or contraction of the covers due to the swelling or shrinkage of the wood, and thus the contents of the barrel are kept from contact with outside air. The weight of the rotary section, resting upon the beveled edge of the fixed section, is sufficient to insure a practically tight joint.

Another valuable result flowing from this construction is, that the beveled edges serve as a cam to enable the rotary section of the cover to be easily raised and moved over upon the fixed section B.

A handle or knob, *D*, is secured to the rotary section for moving the same to an open or closed position. *E* is a stop, attached to the fixed section B to limit the rotary movement of the rotary section B'.

Slight changes may be made in the construction and arrangement of parts without departing from the spirit of our invention, and hence we do not limit ourselves to the exact construction shown and described; but,

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A barrel-cover consisting of a fixed and a rotary section, centrally pivoted to each other, the upper portion of the straight edge of the

fixed section and the lower portion of the straight edge of the rotary section being beveled to fit each other, whereby said beveled edges act as cams to raise the inner edge of the movable cover when it is rotated to open the cover, substantially as set forth.

2. In a barrel-cover, the combination, with a fixed section having its straight edge beveled, and a rotary section provided with a beveled straight edge, of longitudinally-adjustable plates secured to the straight edge of the

fixed section of the cover, the ends of said plates adapted to be driven vertically into the chines of the barrel, substantially as set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 23d day of December, 1878.

LEVI BLACK.

ROBERT DALLAS McMANIGAL.

Witnesses:

ED. L. DAVENPORT,

C. W. JAMES, Jr.