O. L. WEINRICH.

FASTENING DEVICE FOR HEADS OF BARRELS.

APPLICATION FILED MAY 22, 1917.

1,246,366.

Patented Nov. 13, 1917.

2 SHEETS—SHEET 1.

Fig. 1.

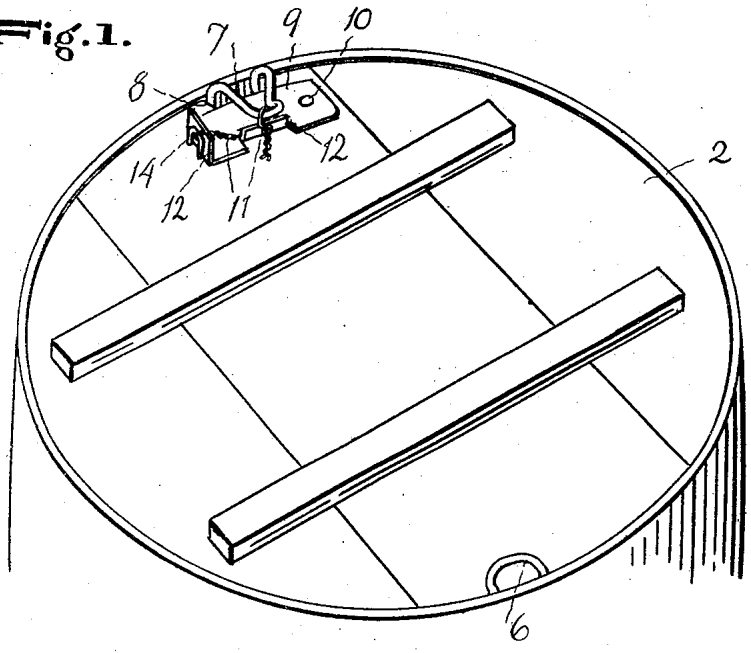
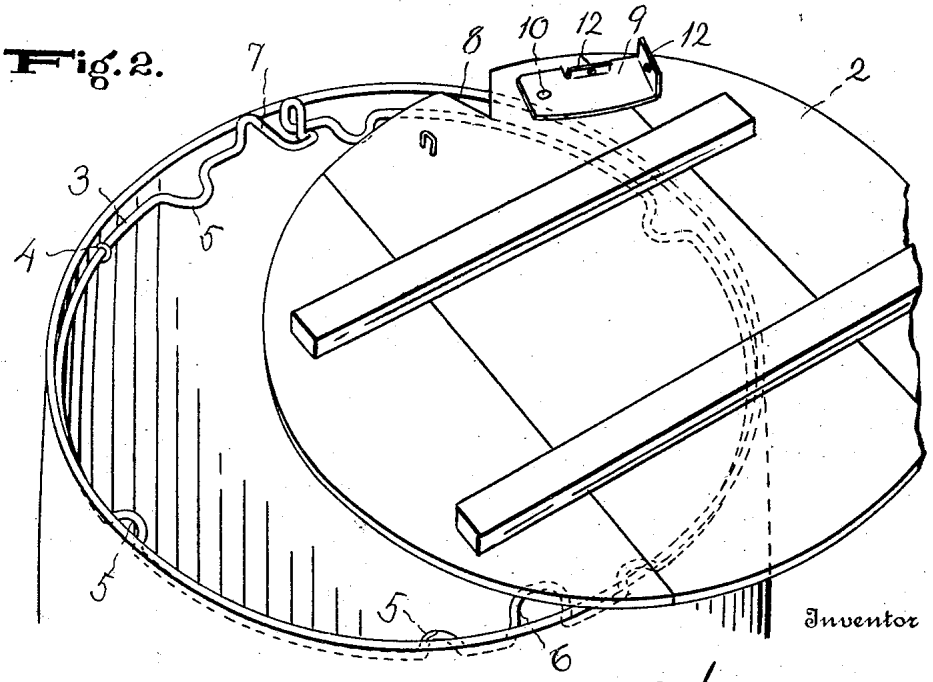


Fig. 2.



Witness

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2 SHEETS—SHEET 2.

Fig. 3.

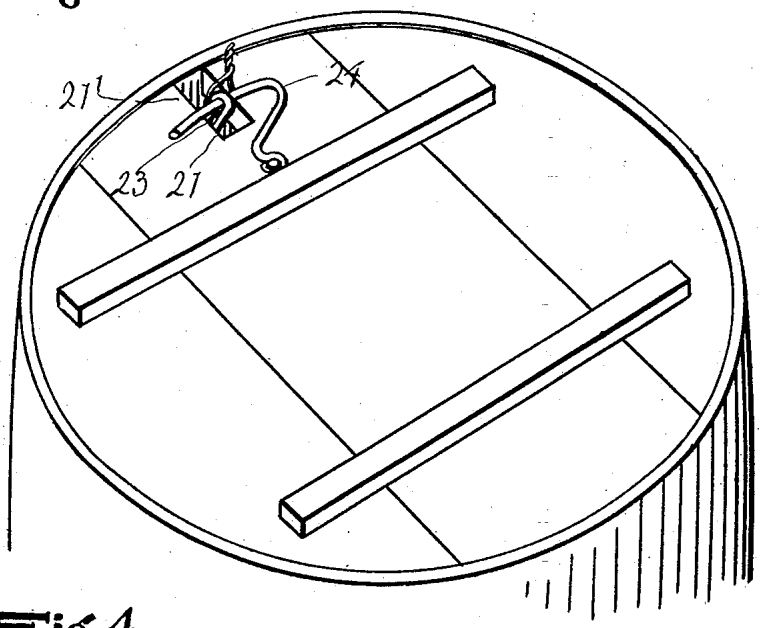
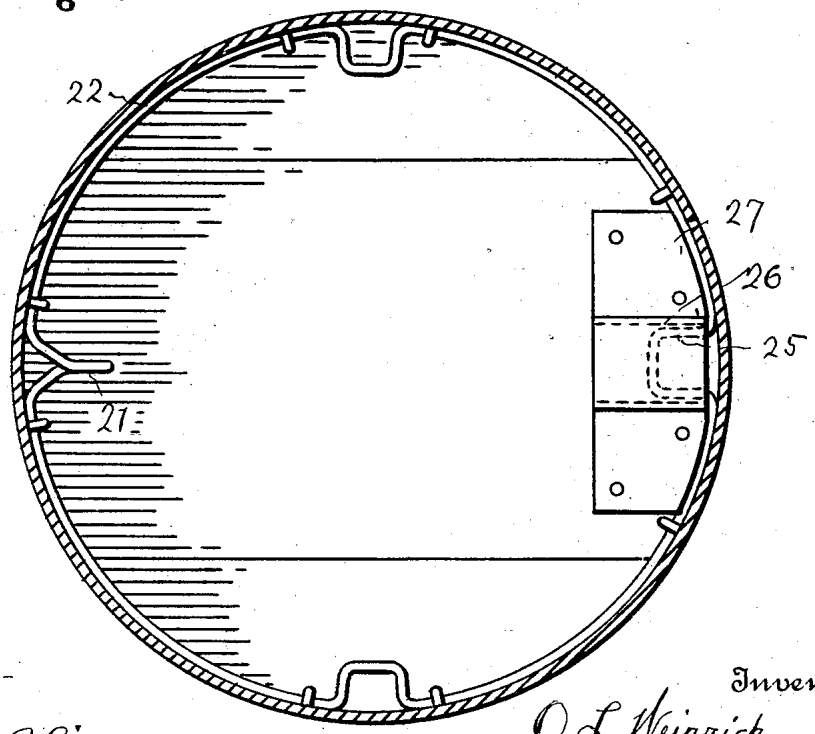


Fig. 4.



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UNITED STATES PATENT OFFICE.

OSCAR L. WEINRICH, OF BURLINGTON, IOWA.

FASTENING DEVICE FOR HEADS OF BARRELS.

1,246,366. Specification of Letters Patent. Patented Nov. 13, 1917.

Application filed May 22, 1917. Serial No. 170,262.

To all whom it may concern:

Be it known that I, OSCAR L. WEINRICH, a citizen of the United States, resident of Burlington, in the county of Des Moines and State of Iowa, have made a certain new and useful Invention in Fastening Device for the Heads of Barrels; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The invention has relation to means for fastening the heads of barrels or casks in position covering the top thereof, having for its object the provision of improved means for this purpose, designed to admit of the barrel head being easily and quickly removed and replaced in position when the barrel is being filled or emptied.

The invention consists in the novel construction and combinations of parts, as hereinafter set forth.

In the accompanying drawings, illustrating the invention, Figure 1 is a perspective view of the invention as applied; Fig. 2 is a similar view with the head partly removed; Fig. 3 is a perspective view of a modification of the invention, and Fig. 4 is a horizontal sectional view of the barrel with the invention applied thereto and looking upwardly.

In these drawings the numeral 2 designates the head of the barrel, and 3 is an annular fastener member, formed usually of wire, said member secured to the inside of the end of the barrel by staples 4 or the like. The wire annulus or ring 3 is provided with a plurality of inwardly bent portions 5, upon which the head of the barrel is designed to rest; and with an upwardly and inwardly bent portion 6, overlying the head 2 and located above and engaging the top surface of the same, said ring having, opposite to said portion 6, an upwardly and inwardly bent portion 7, usually of V form.

This V-form extension is located in a horizontal plane slightly above that of the extension 6, and is adapted for engagement with a V-form notch 8 in the rim of the barrel head, said head being, when inserted in position, shoved at one edge portion underneath the extension 6, and at its opposite side let down with its V-form notch in engagement with the V-form extension 7, the barrel head coming to rest upon the extensions 5.

The head of the barrel is provided with a fastener member 9, usually pivoted thereto at 10, and sliding over the top surface of the barrel, underneath the V-form extension 7, so that if it is attempted to lift the head from the barrel, the slide 9 and the opposite extension 7 will prevent such lifting. The slide 9, when in locking position, is preferably fastened to the barrel head, or to the V-form extension, or to both, usually by means of wires 11, engaging upwardly bent extensions 12 of the slide and connecting the same with a staple 14 of the barrel head and with said V-form extension.

When it is desired to remove the head from the barrel the slide 9 is released and moved inwardly upon its pivot from beneath the V-form ring extension, said head being then free to be lifted at one side of the barrel without interference, being then withdrawn from under the ring extension at the opposite side of the barrel.

A modification is shown in Figs. 3 and 4 of the drawings, wherein there is but one upward and inward extension 21 of the ring member 22, said extension engaging a peripheral notch 21′ of the barrel head and having an upper eye 23, engaged by a pivoted latch 24, carried by the barrel head. An inward horizontal extension 25 of said ring, located opposite to extension 21, fits within a recess 26 of a metal plate 27, secured to the under side of the barrel head, the two extensions, the latch and the plate serving to secure the head in position. Upon release of the latch from the eye of extension 21, the head may be lifted at this side and withdrawn edgewise from engagement with the extension 25 at the opposite side.

I claim:

1. In a barrel head fastening device, an annulus adapted to be secured to the inside of a barrel near one end thereof, a head having a peripheral notch, said annulus provided with inward extensions upon which said head is designed to rest and with an upward and inward extension engaging said notch, said head having a latch member designed to engage with said upward and inward extension.

2. In a barrel head fastening device, an

annulus secured to the inside of the barrel near one end thereof, a head having a peripheral notch, said annulus provided with inward extensions upon which the barrel head is designed to rest and with upward and inward extensions overlying the barrel head, one of said upward and inward extensions being adapted to engage said peripheral notch, and said head having a latch member designed to engage under the last named upward and inward extension.

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

OSCAR L. WEINRICH.

Witnesses:
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H. F. KUHLEMEIER.