Feb. 14, 1928. 1,658,853

W. J. MURRAY

REMOVABLE BARREL HEAD

Filed Nov. 27, 1925

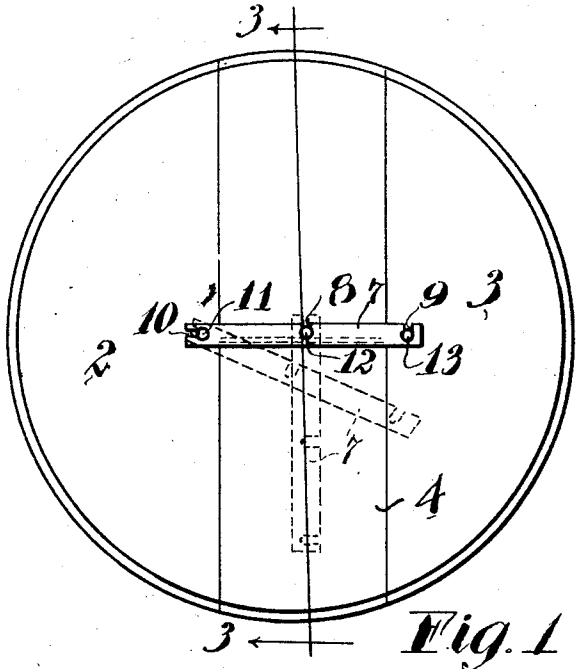


Fig. 1



Fig 2

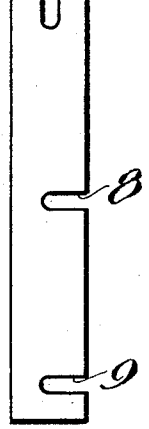


Fig. 4

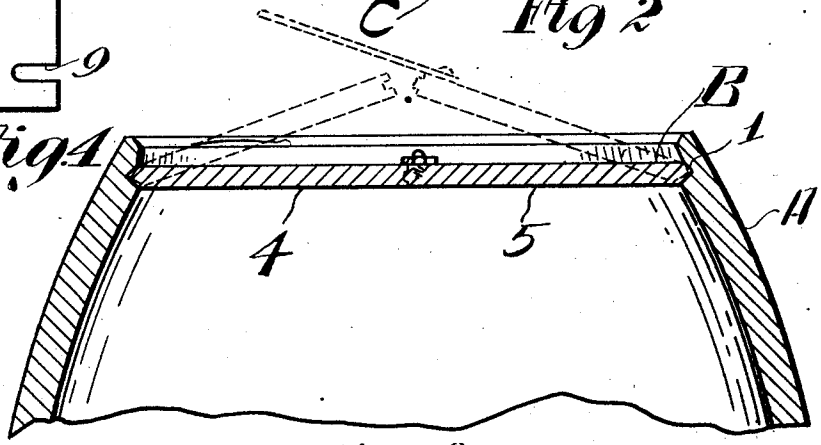


Fig. 3

Inventor

William J Murray

By W. S. Johnson

Attorney

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UNITED STATES PATENT OFFICE.

WILLIAM J. MURRAY, OF ST. PAUL, MINNESOTA.

REMOVABLE BARREL HEAD.

Application filed November 27, 1925. Serial No. 71,564.

The present invention relates to a removable barrel head.

When goods are packed in barrels, it is necessary, in order to remove the head of a barrel, to either break in the center portion of the head and then draw the side portions inward to remove them from the croze in which the head is seated, or to remove some of the hoops from the barrel so as to permit the staves to be expanded outwardly and release the edge of the head from the croze in which it seats.

The object of the present invention is to make a removable barrel head.

In order to attain this object, there is provided, in accordance with one feature of the invention, side portions and a removable interlocking central portion, the central portion being secured in position as by a bar mounted transversely of said central portion, and connected at either end to the side portions. The central portion is made up of two units which are coextensive when the head is in position in a barrel, and are collapsible when the head is to be released for removal.

These and other features of the invention will be more fully brought out in the following description and the accompanying drawings, wherein:

Figure 1, is a view in top elevation of a barrel head made in accordance with the present invention.

Figure 2, is a side view of the device shown in Figure 1.

Figure 3, is a sectional view on a line corresponding to the line 3—3 of Figure 1, showing the head affixed in position in a barrel, the dotted lines showing the removable central portion in a released position; and

Figure 4, is a view in top elevation of the fastening bar.

Referring to the drawings in detail, a barrel A is formed with the customary annular groove or croze 1 interiorly thereof to receive a head B. The head comprises two side portions 2 and 3, their outer edges being curved to define an arc of a circle having the same circumference as the croze 1. The edges of said members are wedge-shaped to seat tightly in the croze.

A central portion C of the head comprises two interlocking members 4 and 5, the outer end of each of said members being curved to fit the croze 1. The inner contacting ends of the central members 4 and 5 are connected as by a tongue and groove joint and are of a width to be insertable between the side members 2 and 3 when said side members are seated in the croze.

Fastening means are provided to removably hold the central portion C in position, a bar 7 being shown, although it is not desired to limit the invention to any specific fastening means. The bar is provided with laterally extending notches 8 and 9 and an endwise notch 10. A screw 11 is connected to one of the side members to engage the endwise slot 10 while other screws 12 and 13 are connected to the central and other side portions, respectively, to receive laterally extending slots 8 and 9, respectively.

To place the head in position in a barrel, the two side pieces 2 and 3 are set into the croze 1 to occupy approximately the position shown in Figure 1. The two interlocking central portions 4 and 5 are then inserted in position, as shown in the dotted lines in Figure 3, the raised inner ends thereof having the tongue and groove joint engaged. The bar 7 is then placed with the central laterally extending slot 8 in engagement with the screw 12 to prevent the central portion from being forced past the side members when it is pressed into position. These inner ends are then forced downward into the solid line position of Figure 3, and the bar 7 is removed from screw 12 and is positioned with endwise slot 10 in engagement with screw 11. The bar is rotated about the screw 11 as a pivot to cause the laterally extending notches to engage the screws 8 and 9 to lock the central portion firmly in position.

To remove the head the process is reversed.

What I claim is:

In combination with a barrel, a removable head comprising oppositely disposed side

portions, a pair of interlocking center portions positioned between the side portions to force said side portions outwardly into engagement with a croze, aligned lugs carried by said side portions and by one of said center portions, and a bar having a longitudinal notch in an end thereof to receive a stud in a side portion and having transverse notches in a side thereof to receive the lugs in the center portion and other side portion, said bar being bodily removable and adapted to receive the lug in the center portion in the longitudinal end notch to pry up the interlocking center portions to open the barrel.

In testimony whereof I affix my signature.

WILLIAM J. MURRAY.