

J. W. DUFFEE.
 DISPLAY ATTACHMENT FOR BARRELS.
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1,051,868.

Patented Feb. 4, 1913.

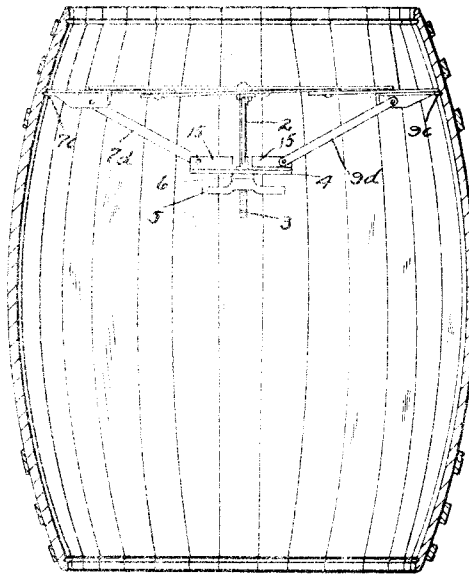


Fig. 1

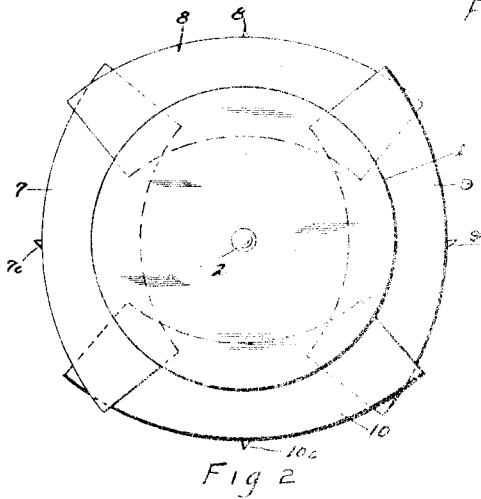


Fig. 2

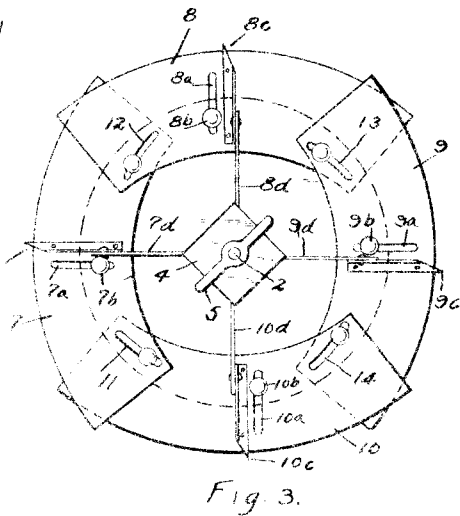


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

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DISPLAY ATTACHMENT FOR BARRELS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES W. DUFFEE, a citizen of the United States, residing at Washington Court House, in the county of Fayette and State of Ohio, have invented certain new and useful Improvements in Display Attachments for Barrels, of which the following is a specification.

My invention pertains to display attachments for barrels and is comprised of an improved structure of attachment for barrels of any size or form, which is of such a nature that a glance at a barrel of any material wherein my device is utilized, will indicate to the casual observer that the barrel is filled with material and yet the actual quantity of material therein contained may vary in depth from a few inches to one or two feet. It is preferable in the use of devices of this type to have a comparatively slight depth of material in the barrel, since any considerable depth generally causes a deterioration in the material beneath the surface.

My invention contemplates the provision of a structure or device of this nature which is extremely simple and which is readily adjustable to varying sizes of barrels, being affixed with comparative rigidity in the desired position by prongs carried upon the relatively movable elements utilized therein. It will be understood from this that my device desirably comprises a center piece and a plurality of radially adjustable elements, the whole comprising a supporting surface of variable area. The elements in question are desirably moved inwardly or outwardly by leverage mechanism and are each desirably provided with prongs extending beyond their outer edges.

The preferred embodiment of my invention is shown in the accompanying drawings, in which similar characters of reference designate corresponding parts, and in which—

Figure 1 is a vertical section of a barrel with my invention applied thereto, Fig. 2 is a top plan view of my attachment, and, Fig. 3 is a bottom plan view thereof, showing the leverage mechanism and means of connection.

In the drawings, the attachment is shown as comprising a center piece 1 which is desirably of disk form having a depending bolt 2 rigidly carried thereby and threaded as at 3. Mounted upon the bolt 2 and ver-

tically adjustable thereon is a thimble or collar 4 whose position is regulable under the control of a handle nut 5 through the medium of an interposed washer 6. This handle nut 5 is internally threaded and operates upon the screw threaded portion of the bolt 2, being not only effective to regulate the position of the collar thimble 4, but serving as a handle whereby the device may be readily transported from place to place and applied at will to any desired barrel.

In the preferred embodiment of my invention, I desirably utilize four segmental members which are secured to the center piece 1 by bolt and slot connections. These four segmental pieces are respectively designated 7, 8, 9 and 10 and the slot and bolt connections are designated 7^a, 7^b, 8^a, 8^b, 9^a, 9^b, 10^a, 10^b. These slots and bolt connections are such as to permit a direct movement radially outward. In my preferred construction, the bolts are upon the center piece, while the slots are formed in the segmental members. Mounted upon each of the segmental members is a prong element and these prong elements are respectively designated 7^c, 8^c, 9^c and 10^c. The ends of the segmental members overlap in the form shown and are connected by pin and slot connections, such pin and slot connections being designated in the drawings as 11, 12, 13 and 14. The segmental members 7, 8, 9 and 10 are under the control of the collar member 4 and are individually and directly connected thereto by push rods 7^d, 8^d, 9^d and 10^d. These push rods may be pivotally secured to the prong elements 7^c as in the form shown and at their other ends they may be secured to ear members 15 upon the collar 4.

In operation, the device, which is shown in collapsed or comparatively collapsed condition in Fig. 3, is placed within a barrel and the handle nut 5 is rotated to force the collar or thimble 4 upwardly. This acts to move the push rods toward a horizontal position and thereby results in forcing the segmental members radially outward. The radially outward movement of these segmental members results in driving the prongs thereof into the interior wall of the barrel, thus producing a comparatively rigid and easily effective means of attachment of the device within the barrel. It will be apparent that the removal of the

device is effected by a reverse series of steps.

It will be seen that I have provided a structure of false bottom for barrels which is of extreme simplicity and ready application to barrels of considerable variation in size.

What I claim, is—

A display attachment for barrels comprising a center piece, and a plurality of

radially extensible pronged elements, said elements being slidably mounted upon said center piece and being slidably connected to each other by a pin and slot connection.

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

JAMES W. DUFFEE.

Witnesses:

W. H. DIAL,
ANNA PASSMORE.