Dec. 30, 1930.

H. H. WARD

1,787,221

METALLIC RECEPTACLE

Filed March 26, 1926

Fig. 1.

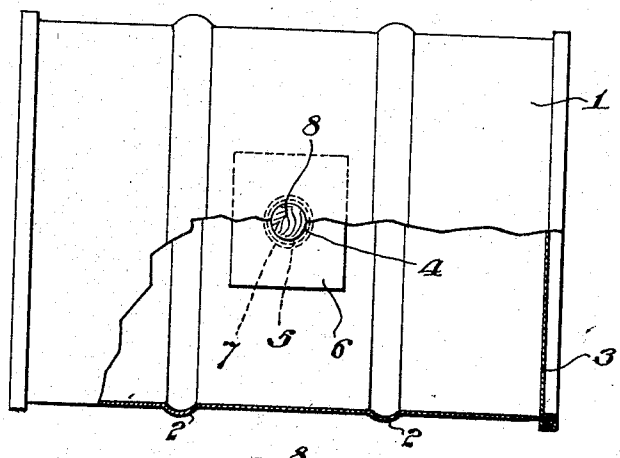


Fig. 2.

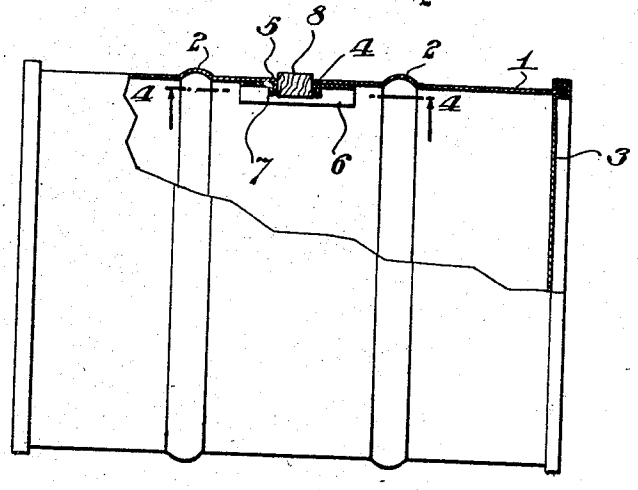


Fig. 3.

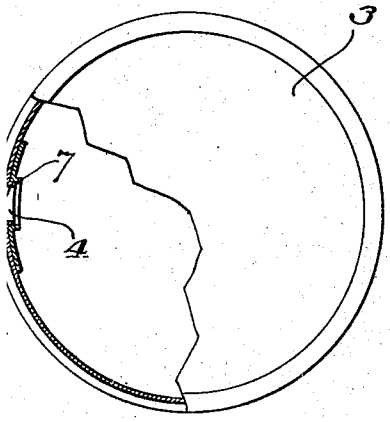
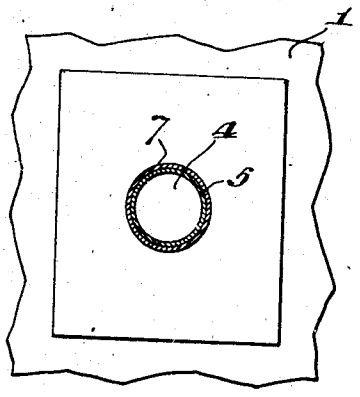


Fig. 4.



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Patented Dec. 30, 1930 1,787,221

UNITED STATES PATENT OFFICE

HUGH H. WARD, OF CHESTER, PENNSYLVANIA

METALLIC RECEPTACLE

Application filed March 26, 1926. Serial No. 97,606.

My invention is a cask-like receptacle formed of sheet metal bent to form a curved body with ends or heads permanently fixed thereto, and provided with a flanged bunghole in the curved wall of the body surrounded by a re-enforcing plate conforming with the contour of the wall and preferably having a flange engaging the wall flange surrounding the bunghole. By securely fixing, as by riveting or spot welding, such a re-enforcing plate around the bunghole of a barrel or drum, I am enabled, at small additional expense, to provide a container of greatly increased rigidity, durability and life and one in which a bung or stopper can be securely fixed without danger of dislodgment or injury to the receptacle.

The characteristic features and advantages of my improvement will more fully appear from the following description and the accompanying drawings, in which Fig. 1 is a broken top plan view of a barrel or drum embodying my improvements; Fig. 2 is a broken side elevation thereof; Fig. 3 is a broken end view of the structure shown in Figs. 1 and 2; and Fig. 4 is an enlarged fragmentary sectional view on the line 4—4 of Fig. 2 showing the re-enforcing plate from the inside of the barrel.

As illustrated in the drawings, my improved receptacle comprises a curved body 1 rolled from sheet metal and preferably having the circumferential ridges 2 projecting radially therefrom. The ends of the body are closed by the circumferentially channeled heads 3, preferably permanently attached to the body as by crimping the edges of the heads over the flanged ends of the body.

A bunghole 4, forms in the curved wall of the body between the ribs 2, is surrounded by an integral wall flange 5. A re-enforcing plate 6, conforming with the contour of the curved wall 1, is permanently fixed to such wall and contains an aperture registering with the aperture 5 and surrounded by an integral flange 7 which engages and projects inward beyond the edge of the inturned flange 5. A bung or stopper 8 may be driven home into such a re-enforced bunghole without danger of distortion of the receptacle wall or dislodgement of the bung.

In the construction of such drums or barrels, the re-enforcing plate may be attached to a sheet metal body blank, as by welding or riveting and the composite sheets rolled, apertured and flanged together.

Having described my invention, I claim:

1. A metallic cask-like receptacle comprising a curved wall containing a flanged aperture forming a smooth surfaced bunghole for a driven bung and a re-enforcing plate having a flanged aperture registering with said bung hole and conforming with the contour of said wall.

2. A metallic cask-like receptacle containing a flanged aperture forming a smooth surfaced bunghole for a driven bung, and a re-enforcing plate surrounding said bunghole and having a flange engaging the flange surrounding said aperture.

3. A closure element for metal barrels having bung holes, said closure element comprising a metallic sleeve provided by an inturned flange integral with the metal wall of the barrel and arranged at the bung hole and by a reinforcing collar secured to the inner face of the barrel and surrounding and reinforcing the flange and extending beyond its end to present the end of the flange as a shoulder, said closure element adapted to receive a bung of dried wood which swelling when wet engages the shoulder and is protected against splintering off by the projecting part of the collar.

In witness whereof I have hereunto set my name this 22nd day of March, 1926.

HUGH H. WARD.