

C. W. BROWN.
METALLIC RECEPTACLE.
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946,329.

Patented Jan. 11, 1910.

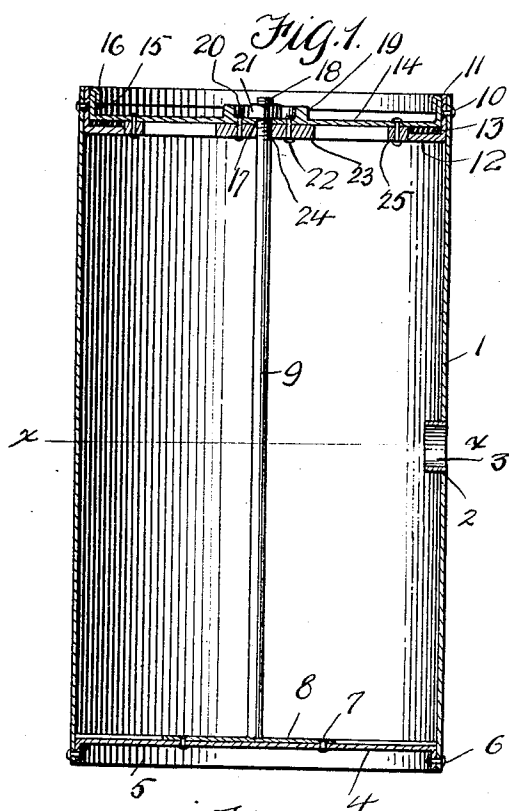


Fig. 3.

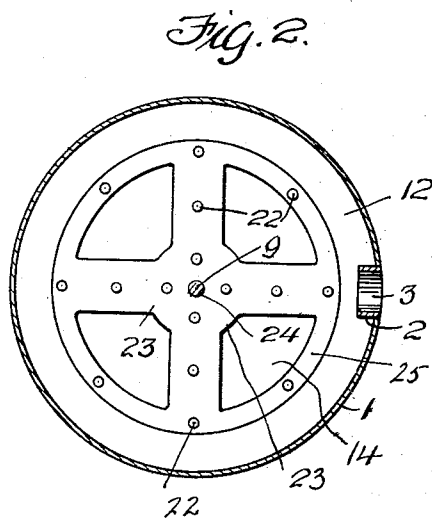
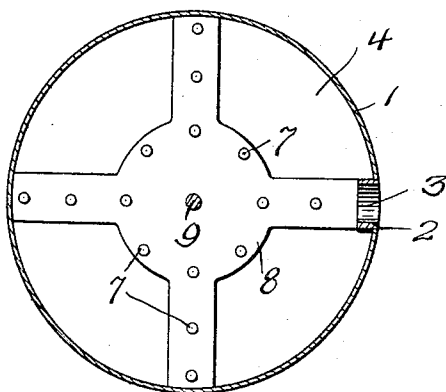
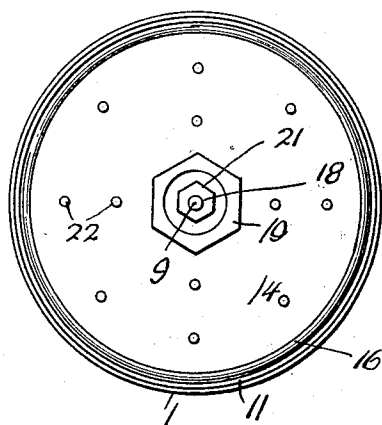


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

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METALLIC RECEPTACLE.

946,329.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES W. BROWN, a citizen of the United States of America, residing at Marietta, in the county of Washington and State of Ohio, have invented certain new and useful Improvements in Metallic Receptacles, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to metallic receptacles, and more particularly to that type of receptacle commonly styled a barrel and adapted to contain oils and liquids, which could not be safely or easily handled in the ordinary type of wooden barrel.

15 The primary object of my invention is to provide a metallic barrel that can be easily cleaned and maintained in a sanitary condition.

20 Another object of this invention is to furnish a metallic barrel with a detachable air and liquid tight head.

25 A further object of this invention is to accomplish the above results by a metallic receptacle that is simple in construction, durable and inexpensive to manufacture.

30 With the above and other objects in view the invention consists in the novel construction, combination and arrangement of parts that will be hereinafter described in detail and then claimed.

35 Reference will now be had to the drawing forming a part of this specification, wherein there is illustrated a preferred embodiment of the invention; but it must be understood that the structural elements thereof can be varied or changed, as to the shape, size and manner of assemblage, without departing from the spirit of the invention.

40 In the drawing:—Figure 1 is a vertical sectional view of a metallic barrel constructed in accordance with my invention, Fig. 2 is a horizontal sectional view of the barrel taken on the line X—X of Fig. 1, looking toward the detachable head of the barrel, Fig. 3 is a similar view taken on the same line looking toward the fixed head of the barrel, and Fig. 4 is a plan of the barrel.

50 In the accompanying drawing, the reference numeral 1 denotes a cylindrical metallic shell which intermediate the ends thereof is provided with an opening 2 for a bung or stopper sleeve 3, the outer end of said sleeve being flush with the periphery

of the shell while the opposite end extends into the shell.

60 Fixed in the lower end of the shell 1 is a circular metallic stationary head 4 having the edges thereof provided with a depending flange 5, which is riveted or otherwise secured, as at 6 to the lower end of the shell 1. Secured to the stationary head 4 by rivets 7 or other fastening means is a spider 8 and centrally of said spider is a tie rod 9 extending centrally and longitudinally of said barrel to within proximity of the opposite end of said barrel. Fixed in the upper end of said barrel by rivets 10 or other fastening means is an annular collar 11, said collar being L-shaped in cross section with the lateral flange 12 thereof projected inwardly at right angles to the shell 1. Upon the lateral flange 12 is placed a rubber gasket or annular strip of resilient material 13.

75 Adapted to fit in the collar 11 is a circular detachable head 14 having the circular edge thereof provided with a vertical flange 15, which is reamed or bent upon itself, as at 16, thereby eliminating any sharp edges in connection with the detachable head 14, besides adding rigidity to the flange 15. Centrally of the head 14 is a vertical opening 17 adapted to receive the upper threaded end 18 of the tie rod 9. Surrounding the opening 17 upon the outer side of the head 14 is an annular boss or enlargement 19, which in plan conforms to a hexagon nut having a central opening 20 adapted to provide clearance for a nut 21 adapted to screw upon the upper end of the tie rod 9. The boss or enlargement 19 facilitates the removal of the detachable head from the end of the barrel.

85 Secured to the inner under side of the detachable head 14 by rivets 22 or similar fastening means is a spider 23 provided with a central opening 24 through which extends the tie rod 9, and with an annular rim 25 adapted to engage the inner edges of the gasket 13 and the lateral flange 12 of the collar 11. In some instances, the gasket 13 can be secured to the under side of the detachable head 14 whereby it will engage the flange 12 when the head 14 is placed in the barrel.

90 It is thought that the manner of detachably securing the head 14 in the upper end of the barrel will be fully understood without further description, but I desire to call 110

attention to the fact that the tie rod 9 not only serves as a fastening means for the head 14 but connects the heads 4 and 14 together in such a manner as to add rigidity to the entire metallic structure.

Having now described my invention what I claim as new, is:—

1. A metallic barrel, comprising a cylindrical shell, a flanged head mounted in one end of said shell, means for fixedly securing the flange of the head to the said end of the shell, a longitudinally-extending tie rod having one end provided with an integral spider, means extending through the spider for fixedly securing the tie rod to said head, a collar fixed in the opposite end of said shell and formed with an inwardly-extending annular flange, a gasket engaging said flange, a removable head mounted upon the gasket and through which said rod extends and provided on its inner face with a spider engaging the flange of the collar and said gasket, and means mounted upon the free end of said rod and engaging said removable head for securing it in position.

2. A metallic barrel comprising a cylindrical shell, a head fixedly secured in one end of said shell, a longitudinally-extending tie rod having one end provided with an integral spider abutting against the inner face of said head and the inner face of said shell, means for fixedly securing the spider to said

head, a collar fixed in the free end of said shell and having an inwardly-extending annular flange, and a removable head arranged in proximity to said flange and through which said rod extends, said head provided on its face with a spider engaging the edge of said flange, and means mounted upon the rod and engaging the removable head for securing it in position.

3. A metallic barrel, comprising a cylindrical shell formed with a bung opening, a head fixed in one end of said shell, a longitudinal tie rod having one end formed with an integral spider abutting against the inner face of said head, means for fixedly securing the spider to the head, a collar fixed in the opposite end of said shell and having an inwardly-extending annular flange, a gasket engaging said flange, a removable head mounted upon the gasket and through which said rod extends, said head having its inner face provided with a spider abutting against the edge of said flange and means mounted upon the rod and engaging the removable head for securing it in position in the end of the shell.

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

CHARLES W. BROWN.

Witnesses:

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