

G. BRYAN.
SCRUBBING PAIL.
APPLICATION FILED MAR. 5, 1921.

1,428,528.

Patented Sept. 12, 1922.

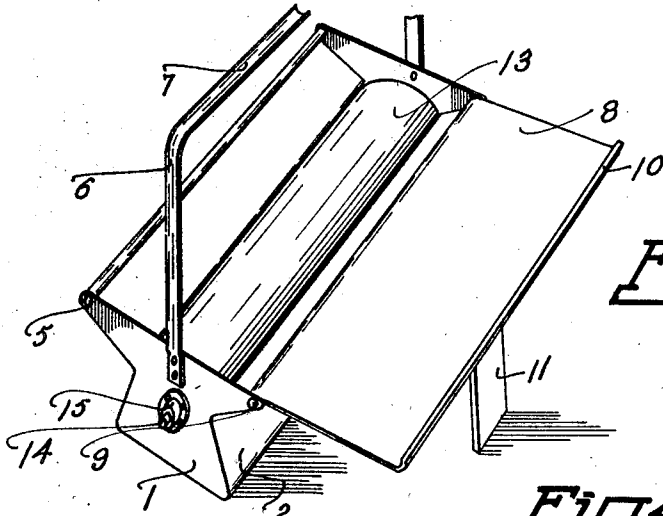


Fig. 1

Fig. 4

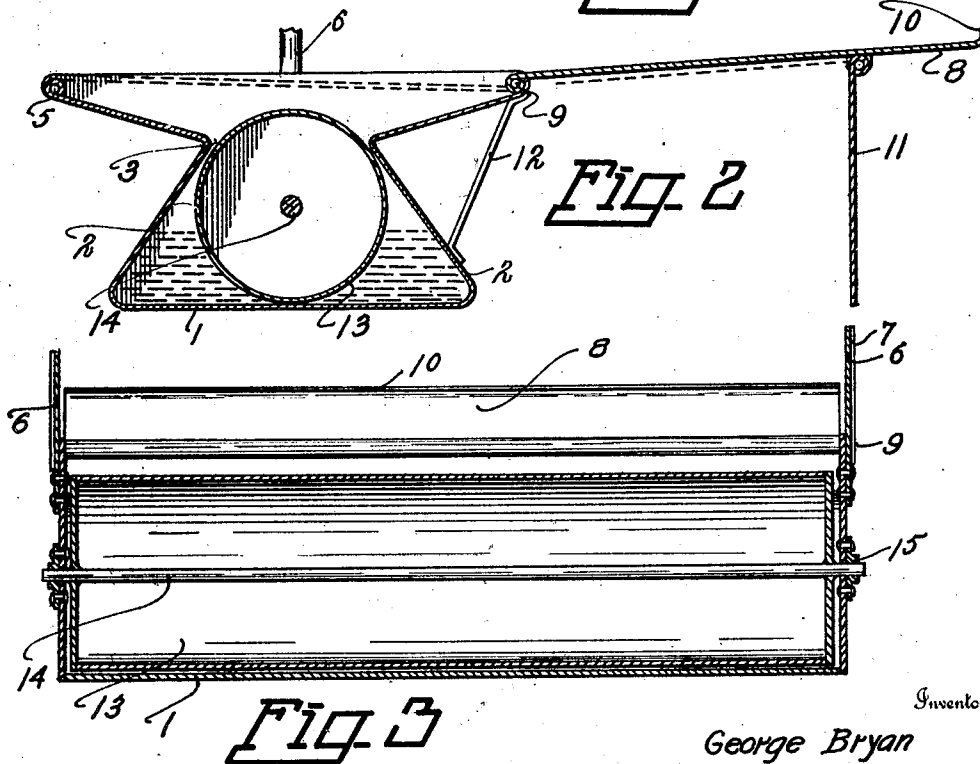


Fig. 2

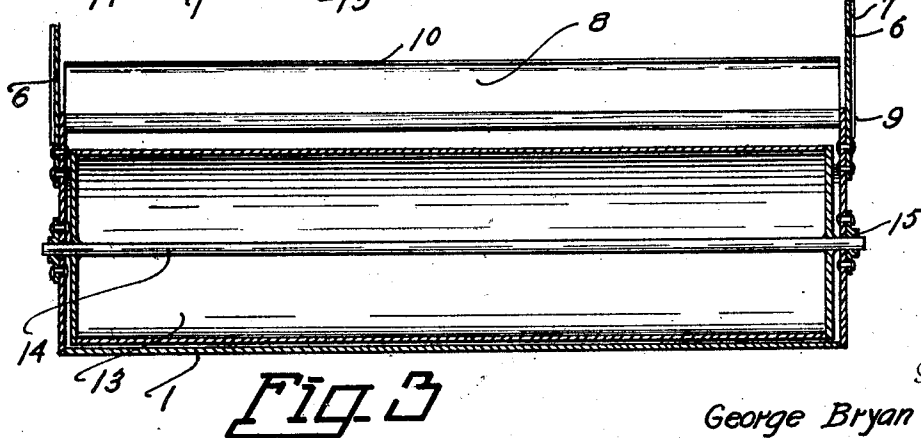


Fig. 3

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GEORGE BRYAN, OF SPOKANE, WASHINGTON.

SCRUBBING PAIL.

Application filed March 5, 1921. Serial No. 449,844.

To all whom it may concern:

Be it known that I, GEORGE BRYAN, a citizen of the United States, residing at Spokane, in Spokane County and the State of Washington, have invented certain new and useful Improvements in Scrubbing Pails, of which the following is a specification.

My present invention relates to improvements in devices or utensils employed as scrubbing pails, as containers for floor oil, water for mopping or scrubbing floors and other surfaces, and other liquid detergents, for use in connection with hand manipulated floor brushes, mops, etc.

The primary object of the invention is the provision of a pail or portable receptacle or container for oil, water and other liquids used in treating or cleaning floors and similar surfaces, to which the brush or mop may be applied from time to time and the required amount of liquid withdrawn therefrom by contact with a dispensing member. By the utilization of my invention waste of material is prevented, time and labor saved, and the device is convenient for facile use in the performance of its functions.

To this end the invention consists essentially in a portable container or pail having a rotary carrier partially immersed in the oil or other liquid in the container and adapted to be revolved by contact from a brush or mop for moistening or dampening the latter, and in certain novel combinations and arrangements of parts as will be hereinafter more fully described and claimed.

In the accompanying drawings I have illustrated one complete embodiment of the invention utilized as a brush oiler for moistening a brush preparatory to applying the oil to a floor or other surface for laying the dust and cleaning the floor, the parts of the device being combined and arranged according to the best mode I have thus far devised for the practical application of the principles of my invention.

Figure 1 is a view in perspective of the pail of my invention, open, and ready for use.

Figure 2 is an enlarged, vertical transverse sectional view of the pail of Figure 1.

Figure 3 is a longitudinal vertical sectional view through the pail and its rotary dispensing drum.

Figure 4 is an enlarged, detail view show-

ing the concave upper face of the cross bar of the pail handle or bail adapted to receive the rounded handle of the brush or mop.

While the pail is adapted for numerous uses, for convenience of illustration and description I shall hereinafter refer to it as an oiler for brushes used in cleaning floors, and in the preferred form of the invention as shown in the drawings, the pail 1 is preferably made up of sheet metal, generally rectangular in form, but provided with a pair of converging side walls 2, 2, which, at their upper ends approach one another sufficiently to form a throat or restricted opening 3 extending the full length of the pail. From the throat the material of the side walls extend outwardly and merge into lateral wings 4 4' presenting upper surfaces located below the top edge of the pail and declining toward the throat or opening of the pail as best seen in Figure 2. At one side of the pail a wired rib 5 is formed as a brace, and the pail is equipped with a handle 6, preferably fixed at the ends thereof. In Figure 4 particularly it will be seen that the handle is fashioned with a longitudinally extending groove 7 in its handle bar which readily adapts the handle to receive the rounded handle of the brush or mop in order that the brush handle may be laid in the handle bar, extending longitudinally of the pail, and when the handle bar and brush handle are grasped in the hand, the pail and brush may be carried, with the brush handle in horizontal position, thus enabling the bearer or carrier to pass through doorways or other narrow spaces and manipulate the devices with facility.

The ends and flared wings of the pail form a substantially rectangular and wide opening that is closed by the complementary lid 8, also of sheet metal, and hinged as at 9 along one side of the pail opposite the rib 5, and the outer free edge of the lid has a flange 10, which when the lid is closed fits over the rib 5 with a snap and is frictionally held closed thereby. When the lid is turned back to position in Figures 1 and 2 it is supported from the floor by a hinged plate or arm 11, and in this position the flange 10 which extends upwardly is used as a scraper for the brush or mop as will be described. An additional, fixed brace, or metal strap 12 may be utilized between the converging wall of the pail and the

flaring wing, beneath the hinge joint 9 of the lid to insure a stable position of the parts.

The oil dispensing drum 13 is a closed, 5 metal cylinder having an axle 14, journaled at its ends 15 in the end walls of the pail, and located in such position that it will be partially immersed in the oil in the pail with a portion of its upper surface protruding 10 through the restricted opening or longitudinal throat 3 of the pail. The periphery of the drum, it will be noted in Figure 2, co-acts with the edges of the throat to form a substantial closure against egress of the 15 oil from the container below the throat, but there is sufficient space between these edges and the outer surface of the drum to permit the drum, when revolved or oscillated on its journals, to pass through the 20 oil in the container and carry a film of oil through the throat, from which the oil may be wiped with a brush.

The well known type of floor brush is used, usually of T-shape with the brush 25 head extending at right angles to the brush handle, and with the pail resting on the floor as indicated in the drawings, the brush head or its bristles are utilized to revolve or rotate the drum, the drum brings a film of 30 oil on its outer surface up through the throat, the oil is wiped off the drum by the brush, and the surfaces of the two wings may be utilized, by passing the brush back and forth thereover the required number of 35 times, for distributing the oil over the entire brush, preparatory to application to the floor. The flange 11 is utilized as a scraper to remove excess oil from the face of the brush, by passing the brush over the 40 scraper or flange, and the oil scraped from the brush runs down the inclined face of the lid and eventually finds its way into the receptacle over the declining wing 4'. It will readily be apparent that the brush 45 may be "worked" back and forth over the

drum to wipe the oil film therefrom, and also be "worked" or passed back and forth over the wings or lid to equally distribute the oil on the brush, until the desired quantity of oil is applied to the brush, and then 50 the brush is ready for usual action on the floor or surface to be oiled or cleaned.

When not in use the lid is closed, and oil is permitted to drain back into the pail, and the closed lid assists in preventing loss 55 of material by evaporation, as well as prevents entrance of dust or other foreign substances to the oil in the container.

From the above description taken in connection with my drawings it is apparent 60 that I have provided a device of this character which is comparatively simple in construction and operation, inexpensive in cost, and provides a comparatively perfect device for performing its required functions. 65

Having thus fully described my invention, what I claim and desire to secure by Letters Patent is—

1. The combination with a rectangular container having vertical end walls and 70 converging side walls forming a longitudinally extending throat, of a drum rotatable in the container and having a part of its upper portion projecting through said throat, said container having upwardly 75 diverging side wings, for the purpose described.

2. The combination with a container having converging side walls forming a throat and a revolvable distributing drum in said 80 container having a portion protruding through said throat, of side wings outwardly flaring from said throat, a hinged lid for the container having a flange on its free edge, and a support for said lid for 85 the purpose described.

In testimony whereof I affix my signature.

GEORGE BRYAN.