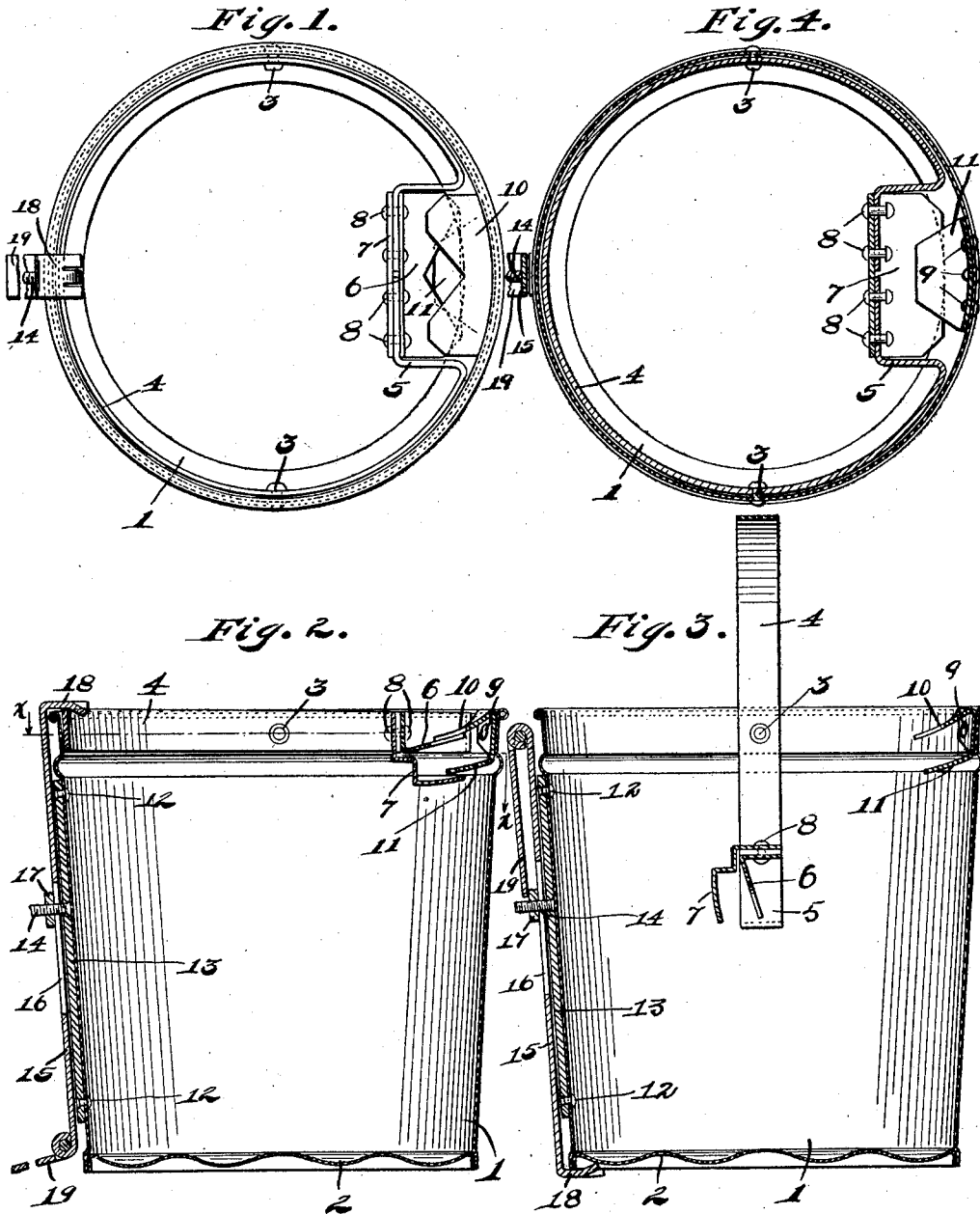


F. T. MURRAY.
MOP WRINGER.
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UNITED STATES PATENT OFFICE.

FRANCIS T. MURRAY, OF CHICAGO, ILLINOIS.

MOP-WRINGER.

1,003,146.

Specification of Letters Patent. Patented Sept. 12, 1911.

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To all whom it may concern:

Be it known that I, FRANCIS T. MURRAY, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Mop-Wringers, of which the following is a specification.

My invention relates to improvements in mop wringers and has for its object the production of a device of this character which will be of new and improved construction and efficient in operation.

Other objects will appear hereinafter.

With these objects in view my invention consists in a mop wringer characterized as above mentioned and in certain details of construction and arrangement of parts all as will be hereinafter fully described and particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawing forming a part of this specification and in which,

Figure 1 is a top plan view of a device embodying the preferred form of my invention, Fig. 2 is a central vertical section thereof, the mop gripping jaws being shown in operative position, Fig. 3 is a similar section showing the mop gripping jaws in inoperative position, and, Fig. 4 is a horizontal section on line $x-x$ of Fig. 2.

Referring now to the drawing, 1 indicates a pail or bucket which may be of any ordinary or preferred design, that preferably employed being constructed of sheet metal.

2 indicates the bottom of the bucket. Pivotaly secured at 3 at diametrically opposite points within the pail 1 adjacent the upper edge thereof is an annulus or circular metallic band 4. In one side of the band 4 midway the pivotal points 3 is formed an inwardly offset rectangular portion 5. Secured to the portion 5 are jaw-forming angular plates 6 and 7, rivets 8 being preferably employed to rigidly connect the inner ends thereof to the member 4. Rigidly secured, preferably by means of rivets 9, to the pail 1 adjacent the upper edge thereof and at a point registering with the plates 6 and 7 are inwardly projecting integral jaw-forming plates 10 and 11. Said plates 10 and 11 are so arranged that when the member 4 is swung to horizontal position

or to the position as clearly indicated in Fig. 2 the plates 6 and 7 will assume alternate positions with the former so as to adapt the same to firmly grip a mop head arranged therebetween. The plate 11 is made narrow in width as shown and plate 6 is recessed centrally to pass plate 11, plate 10 being also recessed centrally to better cooperate with plate 6 in holding the mop head. Secured by rivets 12 at the opposite side of the bucket and externally thereof is a longitudinally extending reinforcing bar 13 from which projects a threaded stud 14. Slidably mounted upon the bar 13 is another bar 15, an elongated slot 16 provided in the latter being engaged by the stud 14, a nut 17 threaded upon said stud serving to lock the member 15 thereon when desired. The arrangement is such, as will be observed, that vertical adjustment of the bar 15 is permitted and so that the upper extremity 18 thereof which is bent over the upper edge of the pail 1 may engage the adjacent side of the annulus 4 in order to hold the jaw-forming plate 6 and 7 in operative relation with the plates 10 and 11 when the device is in operation. At the lower extremity of the member 15 is hingedly secured an outwardly projecting arm 19. When the device is in operation, the outer extremity of the arm 19 will rest upon the ground or floor, said arm being inclined and so that by pressing thereon with the foot the bar 15 may be held in secure engagement with the member 4 and incidentally the entire device held rigidly thereby.

With the device described the lower extremity of the mop head to be wrung is positioned upon the jaw-forming plates 10 and 11 whereupon the member 4 is swung to horizontal position bringing the plates 6 and 7 into engagement with the mop head and the member 15 slid into engagement with the member 4, the member 15 being held in operative engagement with said member 4 in the manner just described. When the mop head is so held the handle thereof may be readily rotated to effect the wringing or squeezing of the water from the former, and which water will drip back into the pail 1. When the device is not used as a mop wringer the member 4 may be swung to vertical position, as indicated in Fig. 3, whereupon the device may be used as an ordinary bucket or pail, said member 4 serving in the capacity of a bail. When the de-

vice is so employed the bar 15 may be inverted, to arrange the same in inoperative position and in a position in which the same will not in any way hinder the use of the
 5 device as an ordinary pail, said bar being rigidly held in this position by the nut 15.

While I have shown what I deem to be the preferable form of my improved mop wringer I do not wish to be limited thereto
 10 as there might be various changes made in the details of construction and arrangement of parts described without departing from the spirit of the invention comprehended within the scope of the appended claims.

15 Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. In a mop wringer, the combination of a pail; two jaws rigidly secured to said pail
 20 adjacent the upper edge thereof; and swinging jaws mounted in said pail and arranged to alternate with said first-named jaws to hold a mop head, each upper jaw being centrally recessed and the lower stationary jaw
 25 being of a form to pass through the recess in the upper swinging jaw, substantially as described.

2. In a mop wringer, the combination of a pail, inwardly projecting jaw-forming plates
 30 secured in said pail adjacent the upper edge thereof, an annulus pivotally secured within said pail adjacent the upper edge thereof, projecting jaw-forming plates carried by said annulus intermediate its points of pivotal
 35 connection, said plates being adapted to coact with said before mentioned jaw-forming plates for holding a mop head therebetween, and means for holding said jaw-forming plates in operative relation, substantially
 40 as described.

3. In a mop wringer, the combination of a

pail, inwardly projecting jaw-forming plates rigidly secured in said pail adjacent the
 upper edge thereof, an annulus pivotally secured at diametrically opposite points with-
 45 in said pail, jaw-forming plates carried by said annulus intermediate its points of pivotal attachment to alternate with said before mentioned stationary jaw-forming plates for
 50 securely holding a mop head therebetween, and a foot operable slidable bar adapted to engage said annulus for holding the jaw-forming plates carried thereby in operative relation with said stationary jaw-forming plates, substantially as described. 55

4. In a mop wringer, the combination of a pail, inwardly projecting jaw-forming plates secured in said pail adjacent the upper
 edge thereof, an annulus pivotally secured at diametrically opposite points with-
 60 in said pail, one side of said annulus intermediate the points of pivotal attachment thereof and registering with said jaw-forming plates being inwardly offset, jaw-forming
 65 plates arranged at and secured to said portion adapted to alternate with said before mentioned jaw-forming plates for securely holding a mop head therebetween, and a foot operable bar slidably mounted upon said
 70 pail and adapted to engage said annulus at the side opposite the jaw-forming plates carried thereby for holding the latter in operative relation with the stationary jaw-forming plates arranged in said pail, substantially as described. 75

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANCIS T. MURRAY.

Witnesses:

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 JOSHUA R. H. POTTS.