

May 5, 1925.

1,536,403

J. D. McMILLAN

OILING MACHINE

Filed Aug. 25, 1924

2 Sheets-Sheet 1

Fig. 1.

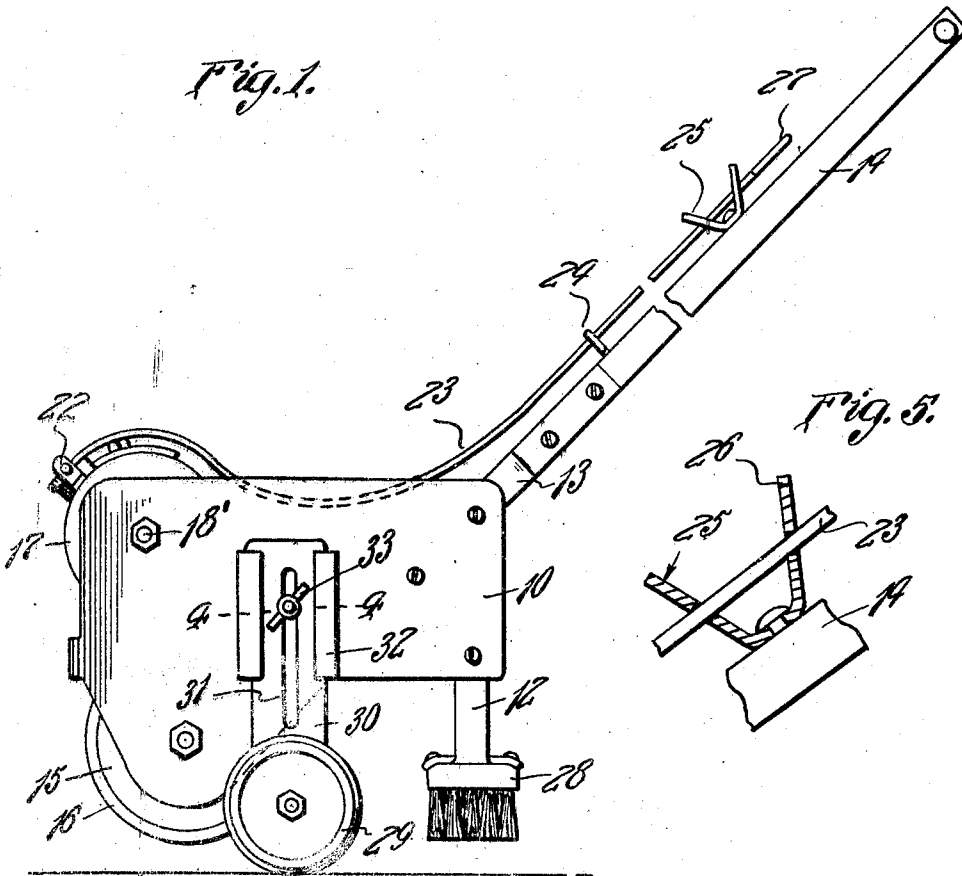


Fig. 5.

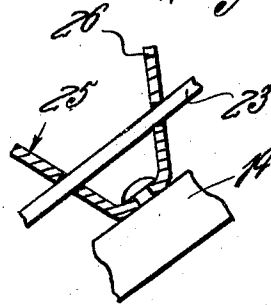
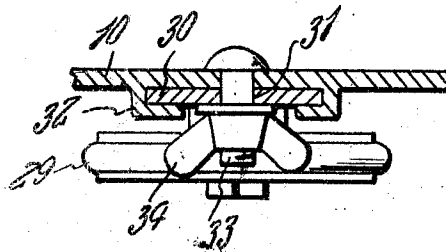


Fig. 6.



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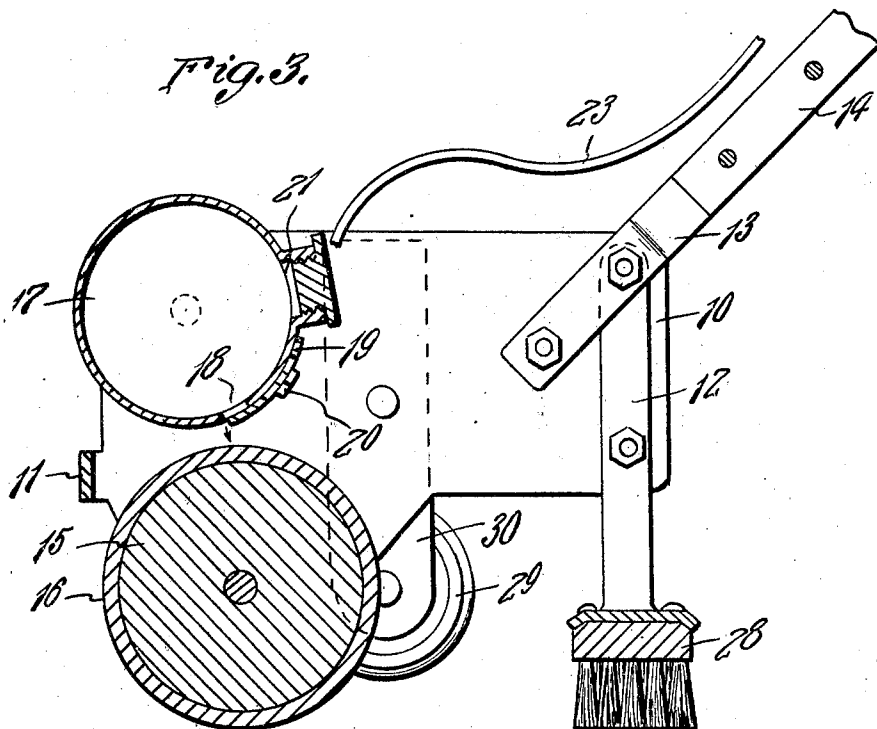
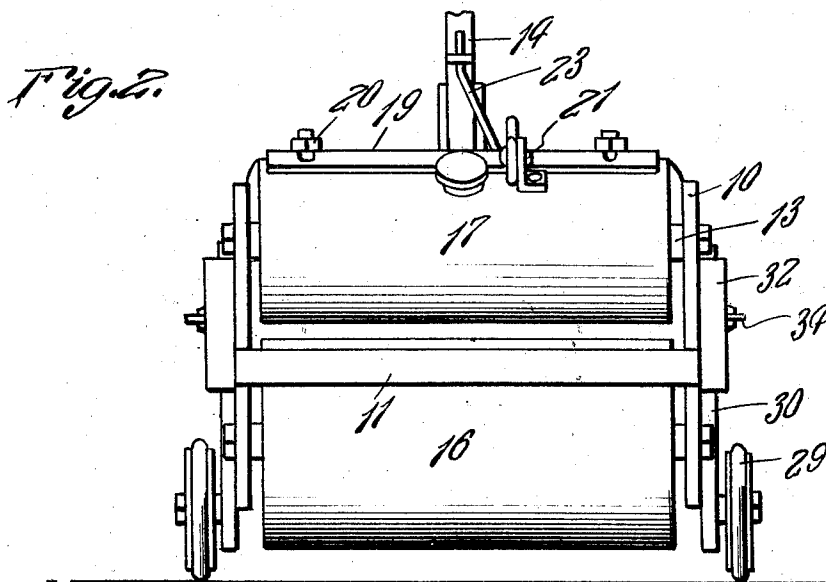
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UNITED STATES PATENT OFFICE.

JOHN D. McMILLAN, OF BISHOP, CALIFORNIA.

OILING MACHINE.

Application filed August 25, 1924. Serial No. 734,104.

To all whom it may concern:

Be it known that I, JOHN D. McMILLAN, a citizen of the United States, residing at Bishop, in the county of Inyo and State of California, have invented new and useful Improvements in Oiling Machines, of which the following is a specification.

This invention relates to oiling machines especially adapted for applying oil to floors. an object being to provide means whereby oil may be evenly and effectually applied to a floor or similar surface in a relatively short time and with a minimum amount of labor.

Another object of the invention is the provision of novel means for regulating the oil supply whereby the quantity of oil may be regulated and the supply of oil cut off and started without disturbing the adjustment of the supply regulating means.

Another object of the invention is the provision of an oiling machine which is capable of being transported from place to place without having the oil applying means engage the surface over which the machine is moved.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings:—

Figure 1 is a side elevation of an oiling machine constructed in accordance with the invention.

Figure 2 is an end view of the same.

Figure 3 is an enlarged vertical longitudinal sectional view partly broken away.

Figure 4 is an enlarged section taken substantially on the line 4—4 of Figure 1.

Figure 5 is an enlarged fragmentary sectional view showing the means for mounting the operating rod upon the handle of the machine.

Referring to the drawings in detail wherein like characters of reference denote corresponding parts, the machine is shown as comprising a frame which includes spaced side plates 10. These plates are connected by means of a bar 11 which extends transversely at one end of the frame and by a yoke 12 which extends transversely at the opposite end. The plates are further spaced apart through the medium of a yoke 13 through which extends a handle 14.

Mounted for rotation between the side

plates 10 is an oiling roller 15, the periphery of which is covered with suitable absorbing material 16 to which oil is applied from a tank 17. This tank is mounted upon trunnions 18' which extend from opposite ends thereof through the side plates 10 and is provided with a discharge opening 18 through which oil may flow to the roller 15. The quantity of oil passing through the discharge opening 18 may be regulated by a slide or plate 19 which is adjustable upon the periphery of the tank 10 through the medium of adjusting nuts 20. The tank is provided with a plug closed filling opening 21.

When the tank is in the position shown in Figure 1 of the drawings the opening 18 will be disposed above the center of the tank so that the flow of oil therefrom will be cut off and when the tank is in the position shown in Figure 3 of the drawings this opening 18 will be disposed below the center of the tank so that oil will flow by gravity to the roller 15.

For the purpose of regulating the position of the tank 17 there is pivotally connected to the tank as shown at 22, one end of an operating rod 23, the said end being preferably curved as shown. The rod extends longitudinally of the handle 14 through guides 24 and 25. The guide 25 includes spaced resilient arms 26 having openings therethrough, the edges of which frictionally engage the rod 23 when the arms are in their normally separated position. By pressing the arms inward toward one another the rod 23 may be released so as to be moved freely through the guides to rotate the tank 17. The upper end of the rod 23 is provided with a handle or grip 27.

The yoke 12 has secured to its horizontal portion a brush 28 which engages the floor and may be used either to sweep the floor in advance of the application of oil, when the machine is moved in one direction, or to distribute or rub the oil into the floor when the machine is moved in an opposite direction.

For the purpose of elevating the roller 15 and brush 28 above the floor so that the machine may be transported without these elements engaging the floor, there are provided wheels 29. These wheels are carried at the lower ends by plates 30 which have longitudinally disposed slots 31 therein. These plates are slidable in spaced guides 32 carried by the plates 10 and the said plates 10

also carry threaded studs 33 which extend through the slots 31. Binding nuts 34 are mounted upon the studs 33 and act to hold the plates 30 in adjusted position.

8 The invention is susceptible of various changes in its form, proportions and minor details of construction and the right is herein reserved to make such changes as properly fall within the scope of the appended claims.

10 Having described the invention what is claimed is:—

1. An oiling machine comprising a frame, an oiling roller supporting one end of the frame, a brush spaced from the roller and supporting the opposite end of the frame, a tank for supplying oil to the roller, means whereby the supply of oil may be regulated, a handle for the frame, wheels secured to the opposite sides of the frame and means whereby the wheels may be adjusted to support the machine independent of the roller and brush.

2. An oiling machine comprising a frame, an oiling roller supporting one end of the frame, a brush spaced from the roller and supporting the opposite end of the frame, a tank for supplying oil to the roller, means whereby the supply of oil may be regulated, a handle for the frame, spaced vertically disposed guides upon opposite sides of the frame, slotted plates movable in the guides, wheels carried by the plates and means carried by the frame and extending through the slots of the plates whereby the wheels may be adjusted to support the machine independent of the roller and brush.

3. An oiling machine comprising a frame, an oiling roller supporting one end of the frame, a brush spaced from the roller and supporting the opposite end of the frame, a tank rotatably mounted within the frame above the roller and provided with a discharge opening for supplying oil to the roller, means whereby the tank may be rotated to regulate the position of the discharge opening and control the discharge of oil from the tank, wheels secured to the opposite sides of the frame and means whereby the wheels may be adjusted to support the machine independent of the roller and brush.

4. An oiling machine comprising a frame, an oiling roller supporting one end of the

frame, a brush spaced from the roller and supporting the opposite end of the frame, a tank rotatably mounted within the frame above the roller and provided with a discharge opening for supplying oil to the roller, a plate adjustably mounted upon the tank for regulating the discharge opening, means whereby the tank may be rotated to regulate the position of the discharge opening and control the discharge of oil from the tank, wheels secured to the opposite sides of the frame and means whereby the wheels may be adjusted to support the machine independent of the roller and brush.

5. An oiling machine comprising a frame, an oiling roller supporting one end of the frame, a brush spaced from the roller and supporting the opposite end of the frame, a tank rotatably mounted within the frame above the roller and provided with a discharge opening for supplying oil to the roller, an operating rod having one end pivotally connected to the tank and its opposite end mounted upon the handle whereby the tank may be rotated to regulate the position of the discharge opening and control the discharge of oil from the tank, wheels secured to the opposite sides of the frame and means whereby the wheels may be adjusted to support the machine independent of the roller and brush.

6. An oiling machine comprising a frame, an oiling roller supporting one end of the frame, means for supporting the opposite end of the frame, a tank rotatably mounted within the frame above the roller and provided with a discharge opening for supplying oil to the roller, an operating rod having one end pivotally connected to the tank and its opposite end mounted upon the handle whereby the tank may be rotated to regulate the position of the discharge opening and control the discharge of oil from the tank and spaced resilient apertured arms mounted upon the handle and providing a combined rod guide and grip, whereby the rod will be frictionally held in position when the arms are in their normally extended position and released when the arms are moved inward toward one another.

In testimony whereof, I affix my signature.
JOHN D. MCKILLAN.