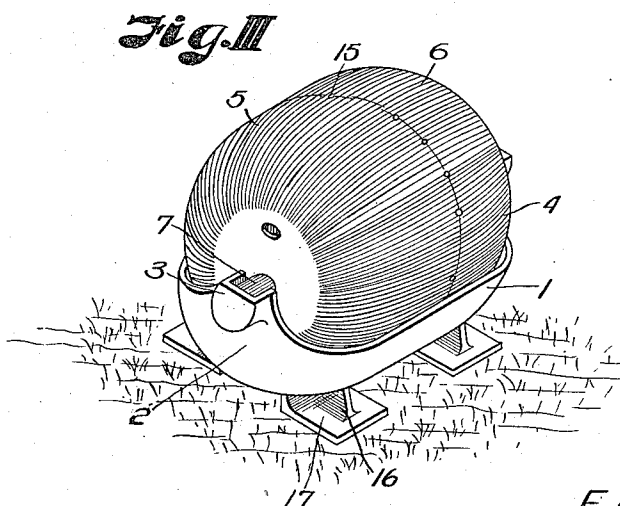
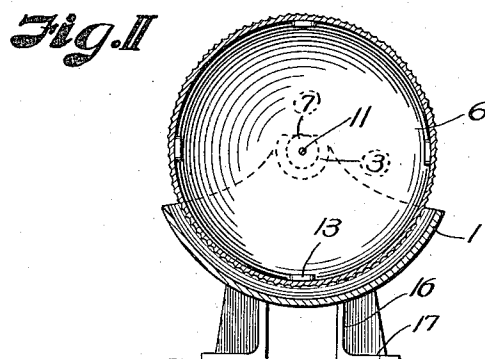
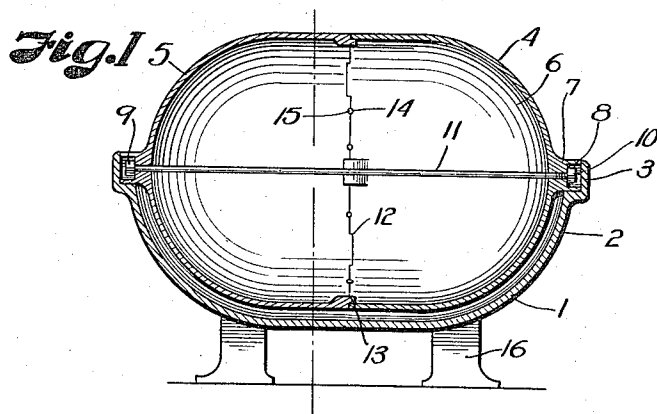


F. R. McDERMAND.
HOG OILER.
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1,173,201.

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HOG-OILER.

1,173,201.

Specification of Letters Patent.

Patented Feb. 29, 1916.

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To all whom it may concern:

Be it known that I, FRANK R. McDERMAND, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Hog-Oilers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to a hog oiling device, and has for its principal object, to provide a device of this character which may be located in an open field or hog lot and against which hogs will rub, in order that oil may be automatically delivered from the device to the bodies of the hogs. In accomplishing this object I have provided improved details of structure, the preferred forms of which are illustrated in the accompanying drawings, wherein:—

Figure I is a longitudinal, vertical section of a hog oiling device containing my improvements. Fig. II is a transverse, vertical section of the same. Fig. III is a perspective view of the device as it appears when in use.

Referring more in detail to the drawings:—1 designates a trough having up-standing ends 2 provided with outset bearings 3 for receiving the trunnions of the rotating drum 4 that is carried in the trough and comprises the oil applying member of the device.

The drum 4 preferably comprises a double, cup-shaped body, the members 5—6 of which are closed at the ends and have projecting trunnions 7 seated in the trough bearings 3 and provided with sockets 8 for receiving the head 9 and nut 10 respectively of a connecting bolt 11; with the abutting ends of the cup sections staggered to form a key joint 12, and each having guide flanges 13 which project into the opposite member to retain the same in alinement. The edge of each cup member is also provided with a cut-out part 14 which, when mating with a like part on the other section, forms an aperture 15 in the assembled drum, through

which oil may pass from the interior of the drum to the trough.

In order to support the device at an elevation at which the hogs may conveniently rub thereagainst without tipping the same, I provide the trough with supporting legs 16 having webs 17 of substantial area; the legs of the trough being preferably adapted for support on a platform and attachment thereto by lag screws, or the like (not shown). In order to insure oil from the trough reaching a hog when it rubs thereagainst, I rib the drum longitudinally so that as it revolves within the oil trough, oil will adhere to the ribs and lie within the grooves between the ribs and be carried up to be transferred to the hog.

In assembling the device, the cup-shaped members are brought together and bolted to hold the separate sections in close relation, so that when the drum is positioned in the trough, the trunnions will rotate in the trough bearings to permit free movement of the drum. When the device is supplied with oil, hogs following their natural bent will rub against the drum and rotate the same through the oil bath in the trough. This oil, adhering to the drum, will be carried up on the outer surface thereof and within the grooves formed by the corrugations or ribs 16 and be transferred to the hogs. As the trough is set low down and on the wide webs of the supporting legs, the hogs will not tip it over when they rub against the drum, and as the diameter of the drum is such that but a small opening is left between the same and the trough, there will be but slight waste of oil, as when the hogs are rubbing against the drum they will merely rotate it on its bearings.

Having thus described my invention, what I claim as new therein and desire to secure by Letters-Patent, is:

1. A hog oiler comprising a trough having trunnion bearings, a drum rotatable partly within the trough and comprising separate cupped parts having end trunnions provided with sockets, and a bolt extending through the drum and having a head and nut each seated in a trunnion socket.

2. A hog oiler comprising a trough having trunnion bearings, a drum comprising separate cup members having mating, staggered edges and guide flanges, and means

for tying the cup members together, and trunnions on the cup members and seated in said bearings to rotatably support the drum partly within the trough.

- 5 3. A hog oiler comprising a trough, a drum rotatable in the trough and comprising separate cup members having mating

staggered edges provided with mating openings to form apertures, and a bolt extending longitudinally through the drum and tying 10 the cup members together.

In testimony whereof I affix my signature.

FRANK R. McDERMAND.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."