M. C. WRIGHT.

CLAMP FOR HOG OILERS OR TANKS.

APPLICATION FILED MAY 12, 1919.

1,313,446. Patented Aug. 19, 1919.

Fig. 1.

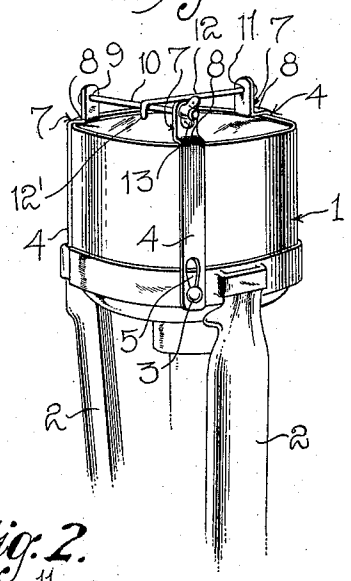
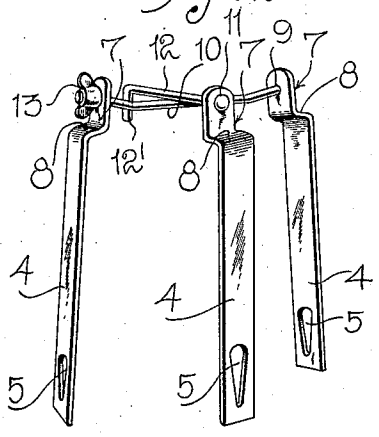


Fig. 2.



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CLAMP FOR HOG OILERS OR TANKS.

1,313,446. Specification of Letters Patent. Patented Aug. 19, 1919.

Application filed May 12, 1919. Serial No. 296,547.

To all whom it may concern:

Be it known that I, MELVIN C. WRIGHT, a citizen of the United States, residing at Paris, in the county of Edgar and State of Illinois, have invented certain new and useful Improvements in Clamps for Hog Oilers or Tanks, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to hog oilers, and one of the objects of the invention is to provide a simple, efficient and practical clamp of this design, which is very simple and efficient in construction, and inexpensive to manufacture, whereby it may be sold at a reasonable profit.

Heretofore when a hog has rubbed against the securing screws of the clamps of a tank or oiler, they have been loosened, permitting the clamps to detach from the oiler and hang downwardly, allowing accidental displacement of the oiler or tank and spilling of the oil therein.

An object of the present invention is to provide a clamp, in which the securing means or taps (which have been heretofore used at the lower end of the clamp) is dispensed with, and instead the securing or tightening means is applied to the upper ends of clamping bars, thereby drawing the clamping bars securely in position, and holding the tank or hog oiler on the frame and from displacement.

A further object of the invention is the provision of a plurality of clamping bars or plates having their lower ends detachably connected to the frame of the hog oiler, while the upper ends of certain of said clamps are connected by a transverse member adjustably, there being a member cooperating between the connections of the first clamps and a certain other clamp of the plurality, in order to draw all the clamps securely and firmly in position. Since the thumb nuts or taps are secured upon the connecting rods between the clamps above the tank, they are not loosened by the rubbing of the hogs.

While the design and construction at present illustrated and set forth is deemed preferable, it is obvious that as a result of a reduction of the invention to a more practical form for commercial purposes, the invention may be susceptible to changes, and the right to these changes is claimed, provided they are comprehended within the scope of what is claimed.

The invention comprises further features and combination of parts, as will be hereinafter set forth, shown in the drawings and claimed.

In the drawings:

Figure 1 is a perspective view of a hog oiling tank, showing the improved clamping means as applied thereto.

Fig. 2. is an enlarged detail view of the clamps and the connecting rods.

Referring to the drawings, 1 designates a hog oiling tank, which is mounted upon a frame 2. Headed projections 3 extend from the marginal edge of the supporting base of the oiler. In fact, these headed projections extend radially, and are adapted to be engaged by the slotted ends of the clamps 4. The slots 5 of the lower ends of the clamps are larger at their upper ends than at their smaller ends, so that when the clamp is loosened up sufficiently to permit it to move downwardly, the clamp may become positioned, so that the head is in a position relatively to the larger end of the slot, so as to allow the head to pass therethrough, permitting the clamp to be detached.

The upper ends of the clamps are provided with L-shaped parts 7, the portions 8 of which overlie the upper marginal edge of the tank of the oiler, not only acting to hold the tank in position, but also acting on the clamp in a vertical direction upwardly, to pull the clamp in the direction of the headed pin, and cause the shank of the pin to wedge into the narrow portion of the slot. The upper end portions of the L-shaped parts 7 are provided with apertures 9. A rod 10 engages the openings 9 of certain of the clamps, said rod having a head on one end, and a thumb nut on the opposite end. The upper L-shaped end of certain other clamping means is provided with an opening 11, to receive a rod 12. One end of the rod has a right angle end 12′, whereas the other end of the rod is provided with a thumb nut 13, so that by means of this construction, it will be seen that the hog oiler or tank may not only be held securely on the frame, but held in such wise on the frame as to prevent hogs or other animals from rubbing against the taps or thumb nuts, which has been found to loosen the taps or thumb nuts, causing the clamps to become

detached, and the tank or oiler displaced, which would cause the oil to spill unnecessarily, which is no doubt a disadvantage.

The invention having been set forth, what is claimed as new and useful is:

1. The combination with a frame, of a tank thereon, a series of clamps having their lower ends detachably connected to the frame and rising upwardly adjacent the cylindrical surface of the tank, the upper ends of certain opposite clamps having a connecting member, the upper end of a certain other clamp having a device provided with adjusting means at one end, and means at the other end to engage over said member, so that when tightening up on the adjusting means, the clamps may be drawn firmly and tightly into position.

2. The combination with a frame, of a tank on said frame, of a plurality of clamps having their lower ends adjustably and detachably connected to said frame, the upper ends of certain of said clamps overlying the upper marginal edge of the tank, a connecting element between said overlying ends, the upper end of a certain other clamp having a detachable connection with said connecting element.

3. The combination with a frame, of a tank on said frame, of a plurality of clamps arranged vertically adjacent the tank and having their lower ends connected to the frame, the upper ends of certain opposite clamps overlying the upper marginal edge of the tank, a rod detachably connecting said overlying ends, the upper end of a certain other clamp likewise overlying the marginal edge of the tank, a rod detachably and adjustably mounted in the latter overlying end and having a right angle extension engaging the first rod.

4. The combination with a frame, of a tank on the frame, of a plurality of clamps arranged vertically adjacent the side of the tank and having their lower ends connected to the frame, a rod connecting the upper ends of certain of the clamps, a second rod connecting the upper end of a certain other clamp and the first rod.

5. The combination with a frame, having laterally extending headed members, of a tank on the frame, a plurality of clamps arranged adjacent the side of the tank and having their lower ends provided with elongated tapering slots for adjustably receiving the headed members detachably, the upper ends of certain of said clamps overlying the upper marginal edge of the tank, a connecting rod adjustably and detachably connecting such overlying ends, the upper end of a certain other clamp overlying the upper marginal edge of the tank, a rod detachably connected to the latter overlying the end, and having a right angle extension engaging the first rod.

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

MELVIN C. WRIGHT.

Witnesses:
FRED W. WRIGHT,
BERT ROBERTSON.

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