H. C. & J. I. WALLACE.

TANK SUPPORT.

APPLICATION FILED DEC. 27, 1915.

1,233,624. Patented July 17, 1917.

Fig. I

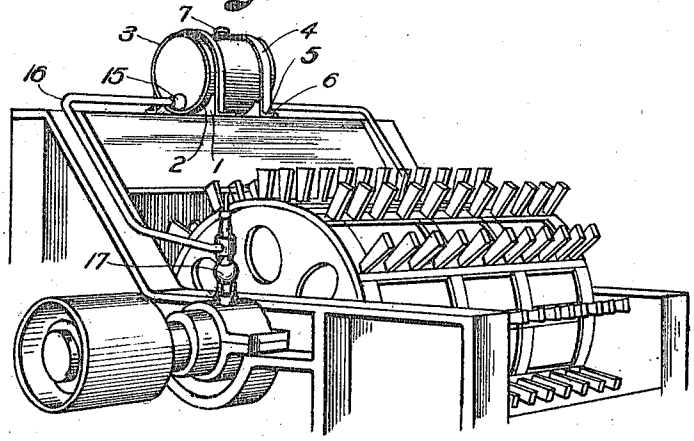


Fig. II

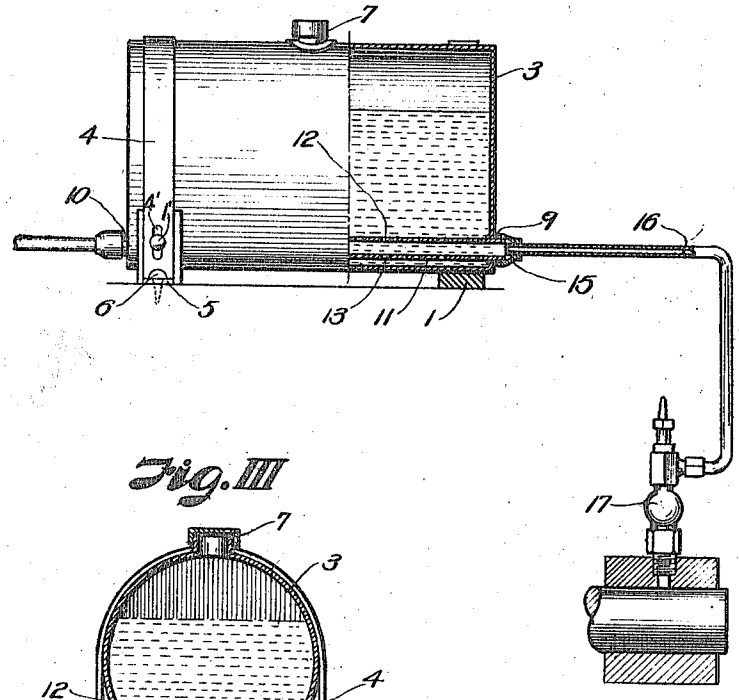


Fig. III

INVENTORS

Halbert C. Wallace.

Jesse I. Wallace.

BY

Arthur E. Brown.

ATTORNEY

UNITED STATES PATENT OFFICE.

HALBERT C. WALLACE AND JESSE I. WALLACE, OF KANSAS CITY, MISSOURI.

TANK-SUPPORT.

1,233,624. Specification of Letters Patent. Patented July 17, 1917.

Application filed December 27, 1915. Serial No. 68,732.

To all whom it may concern:

Be it known that we, HALBERT C. WALLACE and JESSE I. WALLACE, citizens 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 Tank-Supports; and we 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.

Our invention relates to tank supports, and more particularly to a device of this character for supporting a tank containing lubricant for the shaft bearings of farm machinery, motors or other apparatus, the principal object of the invention being to provide a device of this character whereby a tank may be mounted in upright position on the machine or apparatus to which it is applied, irrespective of the angle of the part to which it is applied, and which comprises feed conduits through which oil may flow by gravity from the container to the bearings.

It is also an object of the invention to provide a lubricator of this character, wherein the oil is filtered as it passes from the container to the feed conduit in order to obviate stoppage of the conduit.

In accomplishing these and other objects of the invention we have provided improved details of structure, the preferred forms of which are illustrated in the accompanying drawings, wherein:—

Figure I is a perspective view of a tank support embodying our improvements, and illustrating its use on a threshing separator.

Fig. II is an enlarged elevation of the support showing the container in section.

Fig. III is a transverse vertical section of the container illustrating its combination with the support.

Referring more in detail to the drawings:—

1 designates blocks having flat bases for lying along a suitable supporting member and having curved seats 2 for holding a circular container 3, which is preferably held to the seat blocks by straps 4 that encircle the container and lie along the ends of the block and are adjustably secured to the latter, preferably by the pin and slot connection 1′—4′. The ends of the straps are turned at right angles to form the heels 5 which may be secured to the apparatus to be lubricated by means of lag-bolts 6, and not only serve to hold the container to the seat blocks but also to hold the blocks to the machine upon which it is mounted.

It is apparent that with this construction the feed blocks need not be directly secured to the apparatus or carrying frame, as they are held in place by the attachment of the strap heels to the frame or apparatus, so that when the parts are so confined the seat blocks are held securely in place and the container firmly anchored in the seat blocks. It is also apparent that seat blocks of this construction may be attached to a carrying frame that extends at any angle, and the container may be adjusted in the blocks to locate the filling cap 7 at an uppermost position irrespective of the incline of the seat blocks, as the container is merely strapped to the blocks and may be turned therein.

Extending through the tank and projecting through apertures 9—10 in the ends of the tank opposite the filling cap, is a filter feed tube 11, the location of the tube in the container being such that when the lubricator is in use the tube is located above the bottom of the container to afford a space for the collection of sediment on said bottom beneath the tube. The ends of the tube are preferably soldered to the ends of the container to locate the tube permanently in place and avoid leakage, and the tube is provided at intervals throughout its length with apertures 12 which open through the top of the tube and with apertures 13 which open through the bottom of the tube, preferably directly beneath the upper apertures 12.

Located on the outer ends of the tube 11 are reducing couplings 15 and connected with each of said couplings is a feeding tube 16 which may lead to a desired point on the machine or apparatus to be lubricated, and is preferably provided with a dripper 17 through which lubricant is properly applied to a shaft bearing.

When the lubricator is to be used, the container is mounted on the machine or apparatus to be lubricated, by means of the seat blocks, it being apparent that in mounting the container the blocks are first located on a part of the machine frame, and the straps partially tightened in order to hold

the container to the seat blocks but allow for adjusting movement thereof.

With the parts in this relation the container is adjusted so that the filling cap will be at the top and the filter and feed tubes at the bottom of the container, in order to facilitate filling, avoid leakage and provide for gravity feed or lubricant from the container.

When the container is properly adjusted the screws by which the straps are attached to the frame are tightened to hold the blocks firmly in place and anchor the container in the block seats. With the container in place the feed tubes may then be located and the drippers properly applied to the shaft bearings.

When the device is in use, lubricant in the container flows into the filter tube through the openings and out through the filter tube into the feed conduits and then to the drippers and shafts.

It is apparent that our apparatus may be applied to any suitable machine, irrespective of the angle to which the container must be carried, as the seat blocks and straps provide for adjustment of the container to afford the gravity feed desired.

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

The combination with a supporting frame, of blocks on said frame having downwardly concaved seats, a container supported in said concaved seats, slotted straps overlying the outer portions of the container and lying along the ends of said blocks; the said straps having laterally turned heels bearing against said frame, means for securing said heels to the frame, and headed pins extending through the slots in said straps into the ends of the block to adjustably anchor said straps to the blocks, for the purpose set forth.

In testimony whereof we affix our signatures.

HALBERT C. WALLACE.
JESSE I. WALLACE.

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