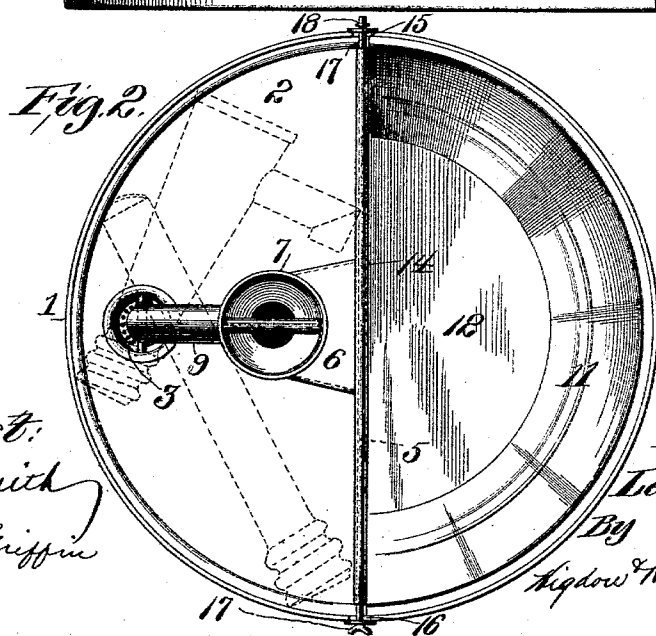
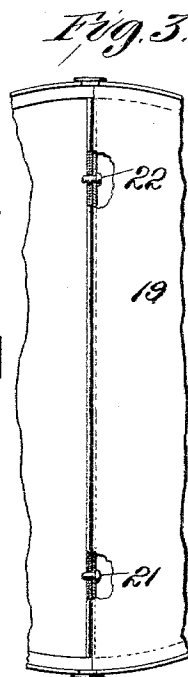
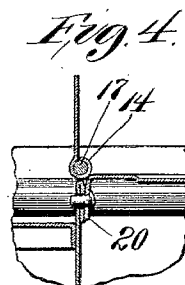
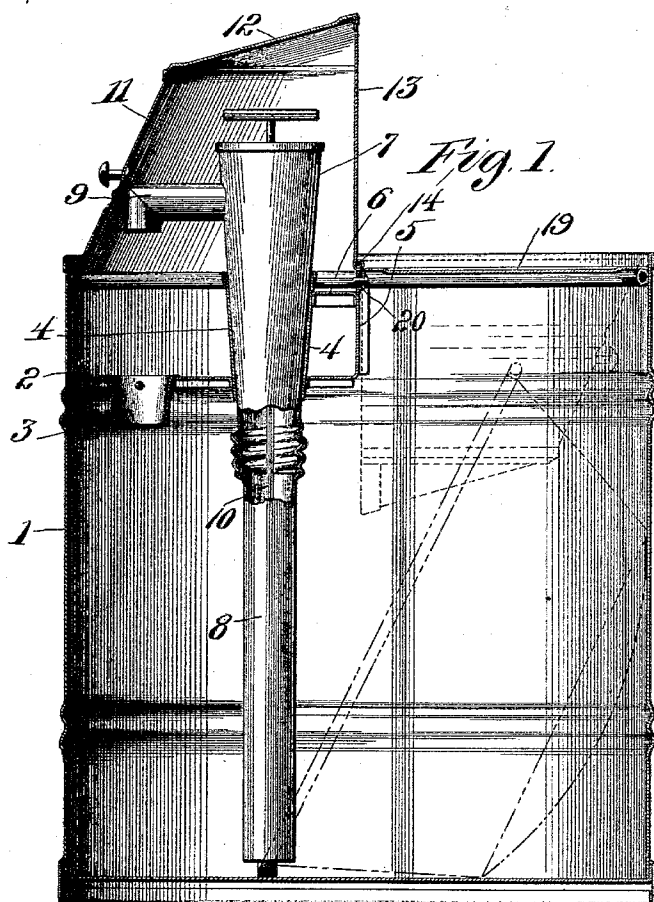


(No Model.)

L. W. HEMP.
PORTABLE OIL TANK AND PUMP.

No. 571,877.

Patented Nov. 24, 1896.



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UNITED STATES PATENT OFFICE.

LEWIS W. HEMP, OF ST. LOUIS, MISSOURI.

PORTABLE OIL TANK AND PUMP.

SPECIFICATION forming part of Letters Patent No. 571,877, dated November 24, 1896.

Application filed April 8, 1896. Serial No. 586,637. (No model.)

To all whom it may concern:

Be it known that I, LEWIS W. HEMP, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Portable Oil Tanks and Pumps, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improved portable oil tank and pump; and it consists in the novel construction, combination, and arrangement of parts hereinafter described and claimed.

In the drawings, Figure 1 is a sectional elevation of my improved portable oil tank and pump. The position of the hood when it is removed and packed in the tank for shipping is indicated by dotted lines. It is also shown in dotted lines how the hood may be tipped backward into the tank and out of the way. Fig. 2 is a top plan view of the parts shown in Fig. 1. The hood is tipped back into the position indicated by dotted lines in Fig. 1. The position of the pump when it is knocked down and packed in the tank for shipping is indicated by dotted lines. Fig. 3 is a top plan view of a part of the top of the tank, parts of the lid being broken away to show the lid and the top of the tank. Fig. 4 is an enlarged sectional view showing the hinges and connections between the lid, the hood, and the top of the tank.

Referring to the drawings by numerals, the body 1 of the tank is of the usual construction and has the top piece 2 rigidly fixed in a horizontal position inside of the tank and to one side thereof and at a point below the upper edge of the body 1. The semicircular top piece 2 has the strainer 3, located near the center of the semicircular edge thereof, and a flaring tube 4 penetrates said top piece directly back of said strainer. The straight edge of the top piece 2 has the upwardly-projecting wall 5, extending to a level with the top edge of the body 1. The lower end of the tube 4 is fixed to the top piece 2, and a brace 6 extends from the top of said tube 4 to the wall 5. A pump consisting of the head 7, the lower tube 8, the spout 9, and the plunger 10 is inserted in the flaring tube 4. The lower end of the head 7 and the upper end of the tube 8 are screw-threaded and screwed to-

gether. A hood consisting of the semicircular flaring wall 11, the semicircular flaring top 12, and the vertical wall 13 is designed to inclose the space above the top piece 2. The hood thus constructed is approximately half-conical or quarter-spherical. In other words, it is semicircular on the bottom, and the vertical wall 13, forming the rear side of the hood, is also semicircular. A half-conical wall is attached to the curved edge of the vertical wall 13 and extends forwardly and downwardly to the base-line of the hood. The lower edge of the vertical wall 13 is rolled, forming the tube 14. In the upper edge of the body 1 at each end of the vertical wall 5 and directly in line therewith are formed apertures 15 and 16. When the hood is placed in position, a pin 17 is inserted through the aperture 16 and then through the tube 14 and the aperture 15, and a spring-cotter 18 may be placed in the end of said pin.

The hood is constructed of such a size and shape as that when it is hinged as just described it will swing backward and down into the tank, as shown in dotted lines in Fig. 1. The pin 17 is located, approximately, across the center of the upper end of the tank. A semicircular lid 19 is designed to cover and close the opening in the top of the tank behind the vertical wall 5. The straight edge of the lid 19 is bent downwardly, forming the vertical wall 20, and pins 21 and 22 are inserted horizontally through said wall. There are apertures in the upper edge of the vertical wall 5 designed to receive the pins 21 and 22 when the lid 19 is placed in position. This connection between the lid 19 and the wall 5 is so constructed as that the lid may be readily removed or replaced, as required, to permit the hood to swing down into the tank, as shown in dotted lines in Fig. 1, or to close the opening behind the hood when the hood is in its upright position.

The essential features of my improved portable oil tank and pump are the elements which permit of its being knocked to pieces to a certain extent for convenience and safety in packing and shipping. For this purpose I construct the pump in two or more pieces in such a way that they may be jointed together and unjointed at will and of such a size and

shape that they may readily be stored in the bottom of the tank under the top piece 2, as shown in dotted lines in Fig. 2. I construct the hood of such a size and shape and hinge it in such a position and in such a way that it may be tipped backward into the tank, as shown in dotted lines in Fig. 1, or the hinge-pin may be removed and the hood placed in the bottom of the tank, as is also shown in dotted lines in Fig. 1. I attach the lid in such a way that it may readily be removed when it is desired to tip the hood back into the tank, as before described.

A tank constructed in accordance with my present invention possesses many advantages in safety and economy of room when it comes to packing and shipping the same and greatly reduces the freight charges.

The removable lid is of especial importance. When the hood is tipped back into the tank, it is out of the way and is not liable to get marred and jammed in transit, as is the case with the tanks heretofore in use. It is impossible to position the hood in this way without making the lid or back cover removable.

In the construction of the hood it is essential that it be made half-conical in order that it may drop freely into the tank when the lid is removed and the hood tipped backward.

I claim—

1. In a portable oil tank and pump, a hood removably hinged on a line transversely of the center of the tank, said hood being half-conical in elevation and semicircular at its base and of such a size and shape as that it will tip backward into said tank and a lid semicircular in form removably positioned behind said hood, substantially as stated.

2. In a portable oil tank and pump, the combination of a tank, a cover rigidly fixed in said tank, said cover being semicircular in form and closing one-half of the upper end of said tank, a strainer in said cover, a flaring tube in said cover, a pump consisting of two or more pieces jointed together and removably located in said flaring tube, a hood removably hinged on a line with the straight edge of said cover and transversely of the center of the tank, said head being half-conical in elevation and semicircular in plan and of such a size and such a shape as that it will tip backward into said tank, and a lid semicircular in form removably positioned behind said hood, substantially as stated.

3. In a device of the class described, the combination of the tank, a cover rigidly fixed in said tank, said cover being semicircular in form and closing one-half of the upper end of said tank, an opening in said cover, a pump constructed in removable sections and removably located in said opening, a hood removably hinged on a line with the straight edge of said cover and transversely of the center of the tank, said hood being of such a size and such a shape as that it will cover said pump when in position for use and as that it will tip backward into said tank and a lid,

semicircular in form, removably positioned behind said hood, substantially as specified.

4. In a device of the class described, the combination of a tank, a cover rigidly fixed in said tank and closing approximately one-half of the upper end of said tank, an opening in said cover, a pump constructed of detachable sections and designed to be removably located in said opening, a hood removably hinged to said tank and designed to cover said pump when the same is in use, said hood being of such a size and such a shape as that it will tip backward into the space behind said cover, a lid removably positioned behind said hood and designed to close the opening behind said cover, substantially as specified.

5. In a device of the class described, the body 1, the semicircular top piece 2 rigidly fixed in horizontal position at a point below the upper edge of said body 1, the flaring tube 4 penetrating said top piece, the wall 5 projecting upwardly from the straight edge of said top piece, the lid 19, the vertical wall 20 attached to said lid and the pins 21 and 22 inserted and fixed horizontally through said wall, substantially as specified.

6. In a device of the class described, the body 1, the semicircular top piece 2 rigidly fixed in horizontal position at a point below the upper edge of said body 1, the flaring tube 4 penetrating said top piece, the wall 5 projecting upwardly from the straight edge of said top piece, the pump in said tube 4, which pump consists of the head 7 and the lower tube 8 removably screwed together, the spout 9 attached to the head 7 and the plunger 10 operating in said lower tube, the sections of said pump being of such a size and such a shape as will allow of their being packed in the bottom of said tank, substantially as specified.

7. In a device of the class described, the combination of a tank, a cover closing one-half of the upper end of said tank, said cover having a strainer and a tubular opening, a pump removably positioned in said tubular opening, a hood removably hinged to said tank, which hood consists of the semicircular flaring wall 11, semicircular flaring top 12 and the vertical wall 13, said hood being of such a size and such a shape as that it will tip backward into said tank, substantially as specified.

8. In a device of the class described, the combination of a tank, a cover rigidly fixed in said tank, said cover being semicircular in form and closing one-half of the upper end of said tank, and a hood hinged on a line with the straight edge of said cover, said hood being of such a size and such a shape as that it will tip backward into said tank, substantially as specified.

9. In a device of the class described, the combination of a tank, a cover rigidly fixed in said tank, said cover being semicircular in form and closing one-half of the upper end of said tank, a hood hinged on a line with

the straight edge of said cover, said hood being of such a size and such a shape as that it will tip backward into said tank, and a lid semicircular in form removably positioned 5 behind said hood, substantially as specified.

10 10. In a device of the class described, the combination of a tank, a cover rigidly fixed in said tank, said cover being semicircular in form and closing one-half of the upper end of said tank, a pump consisting of two or 15 more pieces jointed together and removably mounted in a position through said cover, the sections of said pump being of such a size and such a shape as will allow their being packed in the bottom of said tank, and a hood hinged 20 on a line with the straight edge of said cover, said hood being of such a size and such a shape as that it will tip backward into said tank, substantially as specified.

20 11. In a device of the class described, the combination of a tank, a cover rigidly fixed

in said tank, said cover being semicircular in form and closing one-half of the upper end of said tank, a pump consisting of two or more pieces jointed together and removably 25 mounted in a position through said cover, the sections of said pump being of such a size and such a shape as will allow their being packed in the bottom of said tank, a hood hinged on a line with the straight edge of said cover, 30 said hood being of such a size and such a shape as that it will tip backward into said tank, and a lid semicircular in form removably positioned behind said hood, substantially as specified. 35

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

LEWIS W. HEMP.

Witnesses:

S. G. WELLS,
MAUD GRIFFIN.