

No. 773,154.

PATENTED OCT. 25, 1904.

W. J. McFERRAN.
SIGHT FOR OIL RECEPTACLES.

APPLICATION FILED MAR. 23, 1903.

NO MODEL.

Fig. 1.

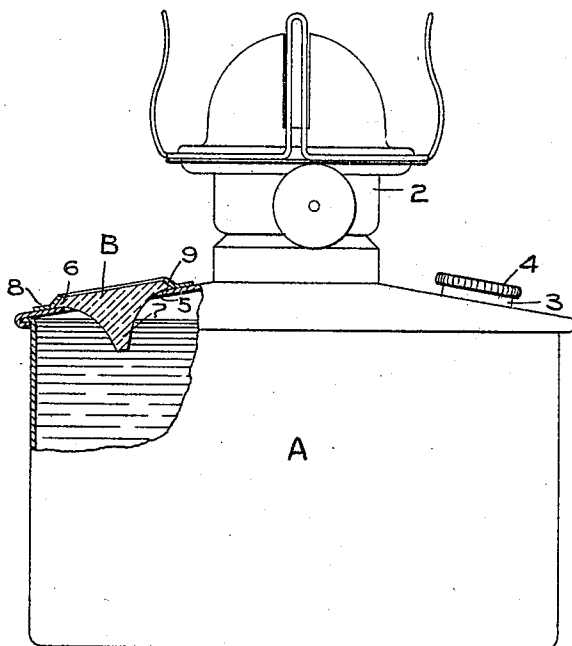


Fig. 2.

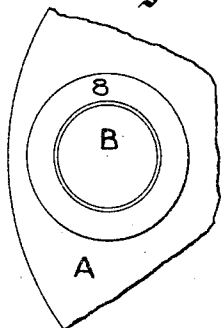


Fig. 3.

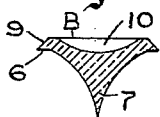
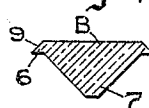


Fig. 4.



Witnesses,

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UNITED STATES PATENT OFFICE.

WILLIAM J. McFERRAN, OF KAMPESKA, SOUTH DAKOTA.

SIGHT FOR OIL-RECEPTACLES.

SPECIFICATION forming part of Letters Patent No. 773,154, dated October 25, 1904.

Application filed March 23, 1903. Serial No. 149,076. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. McFERRAN, a citizen of the United States, residing at Kampeska, in the county of Coddington and State of South Dakota, have invented certain new and useful Improvements in Sights for Oil-Receptacles, of which the following is a specification.

My invention relates to improvements in oil-receptacles, and particularly the oil-receptacles of lamps and lanterns, its object being to provide means for ascertaining the amount of oil contained within the receptacle, so that the same may be filled without running over.

To this end my invention consists in the features of construction and combination hereinafter particularly described and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation of a lamp-body provided with my invention and partially broken away the better to show the same. Fig. 2 is a top view of a portion of the receptacle, and Figs. 3 and 4 are sections of modified forms of my invention.

In the drawings, A represents the oil-receptacle of a lamp, constructed of sheet metal or other suitable material and provided with a burner 2. The receptacle is also provided with a nipple 3, closed by a cap 4, adapted to be removed when the receptacle is to be filled with oil.

In order to determine the height of the oil in the receptacle and prevent it from overflowing, I provide a transparent stopper B. As shown in Fig. 1, the stopper B is arranged in an opening 5 in the top wall of the oil-receptacle, being provided with a flange 6 to rest upon the edge of the wall constituting the opening 5 and being also provided with a central portion 7, extending downwardly into the receptacle. The stopper is held in position by a metal ring 8, soldered or other-

wise secured to the top wall of the receptacle and turned upwardly to bear against the inclined edge 9 of the stopper-flange. In Fig. 3 is shown a modified construction of stopper formed with a concave top 10 and a pointed downwardly-extending portion. In Fig. 4 is shown a form with an angular downwardly-extending portion.

The common idea in all of my forms is to provide the stopper with a portion extending downwardly into the receptacle some distance below the upper wall of the receptacle. Thus when the rising oil strikes the downwardly-extending portion the part covered by the oil shows darker through the stopper, and the height of the oil may thus be accurately determined. Where a flat pane is secured in the wall of the receptacle, the height of the oil cannot be accurately judged by the eye until it actually strikes the pane. The oil is then too high in the receptacle and is apt to overflow, and thus defeat the very objects of the invention. With my improved stopper the oil strikes the stopper before it reaches the top of the receptacle, and thus the height of the oil alongside the stopper may be accurately determined.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In combination with an oil-receptacle, a solid transparent stopper secured in the top wall of said receptacle and extending downwardly in the receptacle below said top wall, said stopper being gradually tapered from said wall to its lower end.

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

WILLIAM J. McFERRAN.

Witnesses:

H. S. JOHNSON,
EMILY F. OTIS.