

E. WILLIAMS.
OIL DISTRIBUTER.

Patented Dec. 11, 1888.

A perspective view of a multi-tiered, conical structure, likely a lamp or a decorative object. The structure is composed of several horizontal tiers, each with a central opening. The top tier is labeled 'D' and 'A'. The middle tier is labeled 'B' and 'C'. The bottom tier is labeled 'C' and 'C'.

A perspective view of a hexagonal container assembly. The main body is a hexagonal prism filled with a substance indicated by horizontal hatching. The top surface is also hatched. At the top center, there is a vertical pipe labeled 'D' passing through a cap or seal labeled 'A'' and 'C''. The side walls are labeled 'B' and 'C'. The bottom of the container has a base labeled 'A²' and three small circular features labeled 'a²', 'a³', and 'a⁴'. The entire assembly is shown in a perspective view from above and slightly to the side.

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OIL-DISTRIBUTER.

SPECIFICATION forming part of Letters Patent No. 394,319, dated December 11, 1888.

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To all whom it may concern:

Be it known that I, EDWARD WILLIAMS, of Lynn, in the county of Essex and State of Massachusetts, have invented a new and Improved Oil-Distributor for Marine Vessels, of which the following is a full, clear, and exact description.

This invention relates to oil-receptacles for marine vessels adapted to allow escape of the oil in rough weather to quiet the sea; and the object of the invention is to provide a receptacle of this character from which the escape of the oil may be made more or less rapid, as contingencies may require, the receptacle being of such shape as not to offer a too great resistance to the water in being drawn there-through, the shape being also designed with a view of causing its thorough agitation by the action of the waves, the violent tossing thus effected causing the oil to be ejected therefrom.

The invention consists in the novel construction and combination of parts, as hereinafter more particularly described, and defined in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of an oil-distributor embodying my invention. Fig. 2 is a central vertical section, and Fig. 3 is an enlarged sectional view of a portion thereof.

The oil-containing vessel or receptacle A is constructed of suitable metal and of a form approximating two truncated cones united at their bases. The outer surface of the receptacle is covered with a protective covering, B, of wood or cork, which is held to the same by bands C C'. The central band, C, is placed at the center of the vessel, and tapers in opposite directions, to correspond to the taper of vessel A and its covering, and when secured in place is thus not liable to become displaced. The bands C' at each side of the center taper in one direction to correspond to the shape of the receptacle.

One end of the receptacle A is provided with a removable screw-cap, A', for the ad-

mission of oil, and the opposite end of the receptacle is provided with a permanent cap-plate, A², formed with perforations *a* of a size and number to allow of the free escape of oil therethrough. The permanent cap A² is also provided with a threaded neck, *a'*, on which screws a threaded cap, *a*², which is formed with a series of perforations, *a*³, of a size less than the size of the perforations *a* of permanent cap A².

Outside of the threaded neck *a'* and its screw-cap *a*² is formed on the cap A² another threaded neck, *a*⁴, which receives an imperforate cap, *a*⁵, which, when in place, effects a complete closure of the receptacle, covering, as it does, the apertured screw-cap *a*².

It will be observed that the outer threaded neck, *a*⁴, is of less height than the inner threaded neck, *a'*, in order that when the outer screw-cap, *a*⁵, is removed the inner apertured screw-cap, *a*², may be readily screwed on or off.

To the top or front end of the receptacle is secured a bail, D, or equivalent means, for the attachment of a chain or cable.

The distributor may be cast overboard and drawn along through the water, or it may be hung over the ship's sides or in other desired part thereof, and the oil allowed to ooze into the water.

When the outer imperforate cap, *a*⁵, is removed, the oil will escape through the perforated screw-cap *a*², and, should its escape not be sufficiently rapid, the cap *a*² may also be removed, whereby the oil will escape from apertures *a* quite freely.

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

1. The combination, with the double-truncated-cone-shaped receptacle having apertures for the flow of oil, of a protective covering and the bands C C', the band C being at the center and tapering in opposite directions to correspond to the double taper of the receptacle, substantially as described.

2. The combination, with the receptacle, of a perforated end cap, a second perforated cap whose apertures are smaller than those of the

first-named cap, and an imperforate cap outside of the said second perforated cap, substantially as described.

5 3. The combination, with an oil-distributing receptacle, of the permanent end cap, A^2 , formed with perforations a and with necks a' , of the inner perforated screw-cap, a^2 , on the neck a' , the perforations of the cap a^2 be-

ing smaller than the apertures a and the outer imperforate screw-cap, a^3 , on neck a^4 , the outer neck, a^4 , being of a less height than the inner neck, a' , substantially as described.

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Witnesses:

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