MEANS FOR OILING OVERHEAD CABLES.

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INVENTOR.

Witnesses:

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INVENTOR.

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BY

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To all whom it may concern:

Be it known that I, CHRIS LARSEN, a citizen of the United States, residing at Crockett, in the county of Contra Costa and State of California, have invented certain new and useful Improvements in Means for Oiling Overhead Cables, of which the following is a specification.

My invention relates to a device for oiling overhead cables used for carrying powerful electric currents. At present it is the practice to oil such cables by means of a brush applied by hand.

The object of my invention is to provide a simple device for oiling the cables in a cheaper and more expeditious manner.

My invention therefore resides in the novel construction, combination, and arrangement of parts for the above ends hereinafter fully specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a vertical longitudinal section of my device. Fig. 2 is a perspective view of the tank. Fig. 3 is a perspective view of the closure for the same detached. Fig. 4 is an end view of the tank, the closure being removed; and Fig. 5 is an enlarged inside view of the means for surrounding the cable as it passes through the bottom of the slits in the ends to prevent the escape of oil from the tank.

Referring to the drawings, I represents an overhead cable, and 2 a tank for oiling the same. Said tank is cylindrical in form, having diametral slits 3 in its ends and a longitudinal slit 4 at the top connecting said slits 3, whereby the tank can be moved up into position on the cable, the cable passing down through said slits. Said slits are then closed by means of a strip of metal 5 bent into proper shape, as shown in Fig. 3, the ends of said strip being passed down and fitting tightly in grooves formed by plates 6, secured upon the ends of the tank on opposite sides of the slit. The strip 5 has formed thereon a funnel 7, through which to pour the oil into the tank, and said strip is retained in position on said tank by a suitable fastening device 8. A faucet 9 is provided at the bottom of the tank for drawing off the oil when desired. At the bottom thereof near one end is attached a rope 10, by means of which the tank may be drawn along the cable. A suitable weight 11, suspended from the bottom of the tank by a rod 12, is provided as a counterbalance to maintain the tank in a vertical position.

It is necessary to prevent the cable coming in contact with the metal of the tank as the latter is drawn along, and for this purpose there is provided at each end of the tank a fixed block 13 of wood having a semicircular recess to partly surround the cable, which latter is contained in said recess and in a similar recess formed in an upper block 14 of wood, the latter being firmly pressed down by means of two springs 15 at the sides of the slit.

In operation the strip is removed and also the upper blocks 14, and the tank is pushed up into place, so that the cable passes along through the bottom of the slits formed in the ends thereof. The upper blocks of wood 14 are then secured in place, and the tank is closed by inserting the strip in the grooves at the end of the cylinder. Oil is now poured into the tank through the funnel, and the device is ready for use.

I claim—

1. In an apparatus of the character described, a tank having vertical slits at its ends and a longitudinal slit connecting said vertical slits, a removable strip of metal for closing said slits, and means for drawing the tank along the cable, substantially as described.

2. In an apparatus of the character described, a tank having vertical slits at its ends and a longitudinal slit connecting said vertical slits, a removable strip of metal for closing said slits, a counterbalance hanging from the tank to maintain it vertical, and means for drawing the tank along the cable, substantially as described.

3. In an apparatus of the character described, a tank having vertical slits at its ends and a longitudinal slit connecting said vertical slits, a removable strip of metal for closing said slits, blocks carried by the tank at the openings in its ends through which the cable passes and surrounding said cable to prevent the escape of oil, and means for drawing the tank along the cable, substantially as described.

4. In an apparatus of the character de-
scribed, a tank having openings at its ends
to permit a cable to pass therethrough and
provided with means for permitting the lat-
eral insertion of the cable into said openings,
means for closing said tank after the cable
has been so inserted, and means for drawing
the tank along the cable, substantially as
described.
5. In an apparatus of the character de-
scribed, a tank having openings at its ends
to permit a cable to pass therethrough and
provided with means for permitting the lat-
eral insertion of the cable into said openings,
means for closing said tank after the cable
has been so inserted, blocks carried by the 25
tank at the openings in its ends through which
the cable passes and surrounding said cable
to prevent the escape of oil, and means for
drawing the tank along the cable, substan-
tially as described.
6. In an apparatus of the character de-
scribed, a tank having openings at its ends to
permit a cable to pass therethrough and
provided with means for permitting the lat-
eral insertion of the cable into said openings,
means for closing said tank after the cable
has been so inserted, a counterbalance hang-
ing from the tank to maintain it vertical, and
means for drawing the tank along the cable,
substantially as described.

In witness whereof I have hereunto set my
hand in the presence of two subscribing wit-
nesses.

CHRIS LARSEN.

Witnesses:
L. M. Lasell,
J. M. Goloberk.