

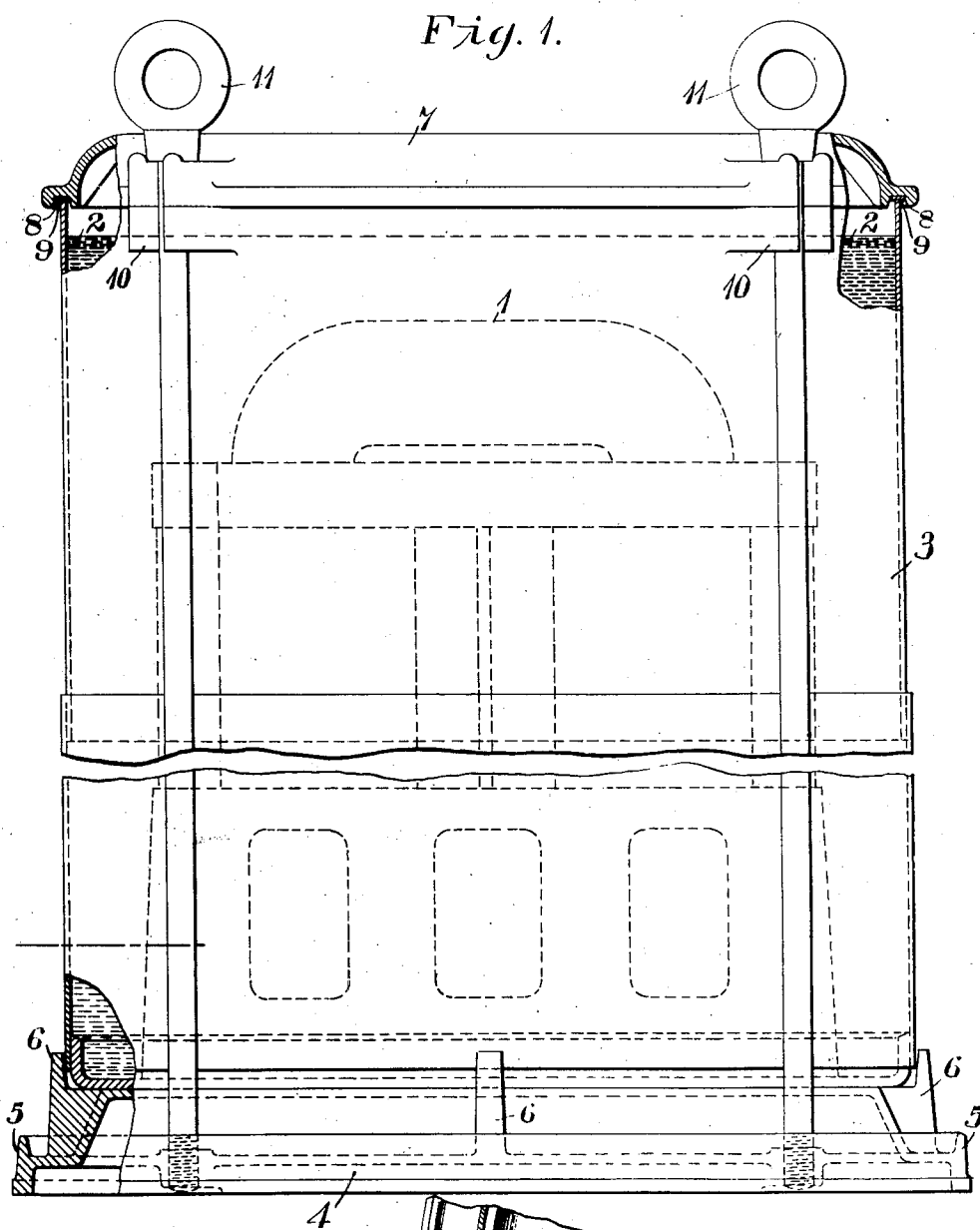
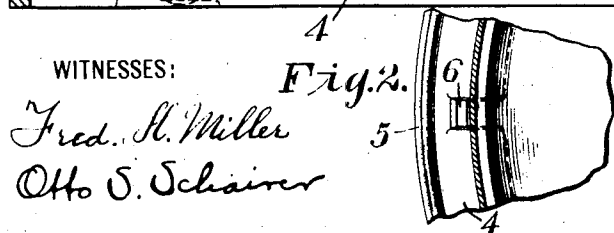
No. 864,930.

PATENTED SEPT. 3, 1907.

R. SIEGFRIED.

RECEPTACLE FOR ELECTRICAL AND OTHER DEVICES.

APPLICATION FILED OCT. 3, 1905.



WITNESSES:

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ROBERT SIEGFRIED, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, A CORPORATION OF PENNSYLVANIA.

RECEPTACLE FOR ELECTRICAL AND OTHER DEVICES.

No. 864,930.

Specification of Letters Patent.

Patented Sept. 3, 1907.

Application filed October 3, 1905. Serial No. 281,205.

To all whom it may concern:

Be it known that I, ROBERT SIEGFRIED, a citizen of the United States, and a resident of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Receptacles for Electrical and other Devices, of which the following is a specification.

My invention relates to casings or receptacles for electrical translating or other devices and it has particular reference to the structure of receptacles for electric transformers.

My invention provides a simple and improved structure for receptacles of the character indicated which shall render them more economical to manufacture and more satisfactory in service than any heretofore constructed.

Electrical transformers and some other electrical translating devices are usually placed in receptacles containing an insulating fluid, such as oil, in which convection currents may occur to facilitate cooling of the devices. The receptacles for the larger sizes of transformers are frequently constructed of boiler plate, and in the past suitable angle pieces have been secured to the upper edges thereof in order to provide flanges to which the covers might be bolted or otherwise clamped. Lugs have also been secured to the exteriors of the receptacles by means of which the receptacles and contents could be lifted and transported.

According to my invention a tank is clamped, by means of bolts, between a supporting base and a cover having a groove into which the narrow edge of the tank fits, the use of an additional flange at the upper edge of the tank being thereby avoided. The clamping bolts are also provided with means whereby the receptacle and its contents may be lifted and transported.

Figure 1 of the accompanying drawing is a view partially in elevation and partially in section of a transformer and receptacle constructed in accordance with my invention, and Fig. 2. is a sectional view of a portion of the receptacle shown in Fig. 1.

A transformer 1 is immersed in oil 2, or other suitable insulating fluid that is contained in a tank 3 which is constructed of boiler plate or other suitable material. The tank 3 is supported upon a base 4 having a flange 5 at its outer edge whereby an annular recess is provided for the reception of oil that may leak from the interior of the tank. Lugs 6 are also provided for the purpose of maintaining the tank in central position upon the base.

A cover 7 for the tank is provided with an annular groove or recess 8 in which the upper edge of the tank 2 is located, a gasket 9 of suitable compressible material, such as felt or rubber, being provided for the pur-

pose of forming an oil proof connection between the tank and the cover.

The cover of the tank is provided with laterally projecting split lugs 10 which engage the upper ends of eye bolts 11, the lower ends of which are threaded into sockets in the supporting base 4. The lugs 10 are split in order that the bolts may be removed without withdrawing them through an aperture. The eye bolts serve not only as means for clamping the tank between the base and the cover but also as means whereby the receptacle may be lifted and transported as a unit, strains upon the tank during transportation being nearly eliminated in this manner. The bolts may be of any other suitable form and may be attached to the base and the cover in any other suitable manner than that here shown and described.

While I have shown and described my invention as particularly applicable to the containing of electrical device, it is, of course, understood that it may be employed for any other purpose for which it may be suited.

I claim as my invention:

1. A receptacle for electrical or other devices, comprising a tank, a supporting base, a cover provided with laterally projecting lugs, and bolts that screw into the base and have heads that engage the lugs on the cover.

2. A receptacle for electrical or other devices, comprising a tank, a supporting base having lugs between which the tank fits, a cover, having an annular channel to receive the top edge of the tank, and means for clamping the tank between the base and the cover.

3. A receptacle for electrical or other devices, comprising a tank, a supporting base having lugs between which the tank fits, a cover having an annular channel to receive the top edge of the tank and provided with laterally projecting split lugs and bolts having heads to engage said lugs to clamp the tank between the base and the cover.

4. A receptacle for electrical or other devices, comprising a tank, a supporting base, a cover having an annular channel to receive the top edge of the tank and provided with laterally projecting lugs and eye bolts screwed into the base and engaging said lugs to serve as clamping devices and also as means whereby the receptacle may be lifted.

5. A receptacle for electrical or other devices, comprising a tank, a supporting base having an annular recess outside the tank, a cover having an annular channel to receive the top edge of the tank and means for clamping the tank between the base and the cover.

6. A receptacle for electrical or other devices, comprising a tank, a supporting base, a cover having an annular channel to receive the top edge of the tank and provided with laterally projecting lugs, and means which engage said lugs and the supporting base to clamp the tank between the base and the cover.

In testimony whereof, I have hereunto subscribed my name this 27th day of September, 1905.

ROBERT SIEGFRIED.

Witnesses:

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BIRNEY HINES.