

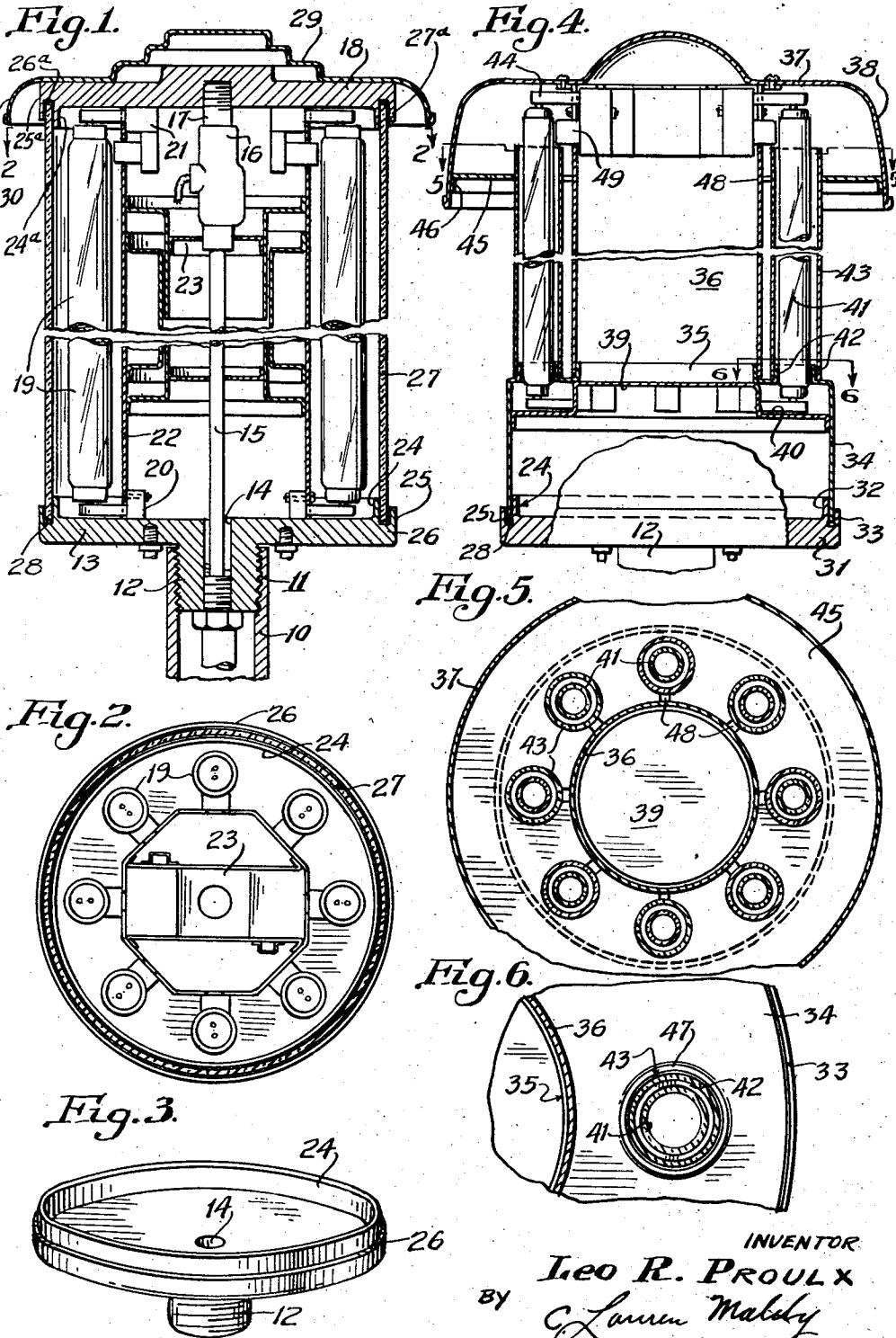
Aug. 8, 1944.

L. R. PROULX

2,355,467

WATERPROOF FIXTURE FOR FLUORESCENT LAMPS

Original Filed Dec. 13, 1940



INVENTOR
Leo R. PROULX
 BY *Lauren M. Maly*
 ATTORNEY.

UNITED STATES PATENT OFFICE

2,355,467

WATERPROOF FIXTURE FOR FLUORESCENT LAMPS

Leo Ralph Proulx, Los Angeles, Calif., assignor of one-half to Henry Boorstin, Santa Monica, Calif.

Refiled for abandoned application Serial No. 369,959, December 13, 1940. This application September 30, 1943, Serial No. 504,429

1 Claim. (Cl. 240—11.4)

This invention relates to lighting fixtures and more especially to a water-proof fixture for fluorescent lamps, and is a duplicate of applicant's prior forfeited case Serial No. 369,959 filed Dec. 13, 1940, which is now abandoned.

An object of the invention is to provide a simple, practical and efficient article of the character described.

Another object of the invention is to provide an inexpensive water-proof fixture for fluorescent lamps.

A further object is to provide a water-proof and vapor-proof mounting for fluorescent tubes adapted for individual or group enclosure of the tubes.

Other objects and advantages will appear and be brought out more fully in the following specification, reference being had to the accompanying drawing, wherein:

Fig. 1 is an elevation view in section, showing an embodiment of my invention.

Fig. 2 is a sectional view taken along the line 2—2 of Fig. 1.

Fig. 3 is a perspective view of one of the mounting castings.

Fig. 4 is a view similar to Fig. 1, showing a modified form of the invention.

Fig. 5 is a sectional view taken along the line 5—5 of Fig. 4, and

Fig. 6 is an enlarged fragmentary view of the parts shown in Fig. 5.

Referring more particularly to the drawing, I show a tubular pedestal 10 having a threaded portion 11 adapted to engage the threaded portion 12 of a circular casting 13, the latter having a bore 14 in which is mounted a pipe 15 supporting an outlet 16, the latter having a pipe connection 17 for the support of a top casting 18.

A plurality of fluorescent tubes 19 are provided with receptacle elements 20 and 21 secured to castings 13 and 18 respectively and a plurality of wall members 22 which are secured between elements 20 and 21 and secured to a plurality of tubular elements 23, suitably secured to pipe 15. Casting 13 has a flanged portion 24 and a flanged portion 25, forming a groove 26 to receive a cylindrical glass shell 27, a suitable gasket 28 being provided in groove 26 between the glass and flange 25, the rim of the latter being lower than the rim of flange 24 in order to prevent any possible seepage of water into the interior in the event of leakage of gasket 28. Plate 18 has similarly down-turned flanged portions 24a and 25a forming a groove 26a, also provided with a gasket 27a and adapted to receive the upper rim of shell 27. A suitable cover element 29 is secured to casting

18 and is provided with a downward extending flange for eave portion 30 to further prevent the admission of moisture at the top of shell 27.

In Figs. 4 to 6 I show a modified form of the invention wherein a lower casting 31, having flanged portions 32 and 33 similar to flanged portions 24 and 25 to provide support for a cylindrical member 34, has an internal flanged portion 35. A cylindrical supporting member 36 is supported on member 34 and secured to flanged portion 35 and in turn supports a cover element 37 having an eave portion 38. An annular flange member is secured within member 34 and is provided with a plurality of tube sockets 40 for the lower end of fluorescent tubes 41, each of which extends through a flanged opening 42 in member 34. A glass sealing tube 43 is provided for each tube 41 and suitably sealed to flanged portions 42. An upper socket element 44 is provided for each tube 41 and suitably secured to element 36. A plate member 45 is provided with a sealing flange 46 for welded attachment to eave portion 38 and is provided with a plurality of circular apertures 47 for tubular members 43. Apertures 47, each having an extension cut-out portion or slot 48, in order that the cover unit may be removed and plate 45 passed over starting coils 49, secured to socket elements 44.

In the foregoing description it should be clear that I have provided a novel water-proof mounting for vertically positioned fluorescent tubes in a fixture adapted for outdoor use and particularly adapted for a fixture similar to filling station pump units. The seal between tubular elements 27 and 43 and the castings 13, 18 and 31 is such as to render a water-proof and gas-proof construction for housing the fluorescent tubes.

Having described my invention, what I claim is:

A fixture, as described, comprising a plate member having peripheral flanged portions forming a groove, a tubular member having one end seated in said groove and having a sealed engagement therewith, a tubular member of smaller diameter than said first tubular member and mounted thereon, a cover member on said second tubular member having an eave portion and a plate portion having a plurality of apertures, said first tubular member having a plurality of flanged apertures, a plurality of transparent tubular members each having one end secured to the flange of one of said flanged apertures and the other end extending through one of the apertures of said plate portion, for enclosing a fluorescent tube.

LEO RALPH PROULX.