

Nov. 19, 1929.

L. LUDWIG

1,736,204

PROTECTOR FOR RADIO SETS

Filed June 19, 1928

Fig 1

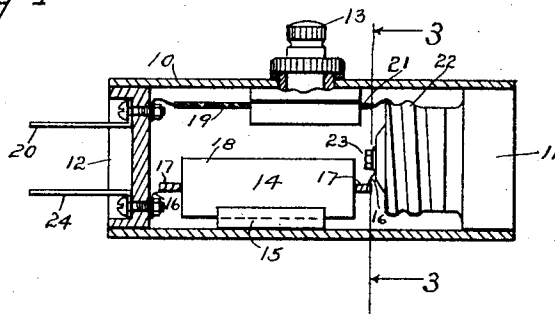


Fig 2

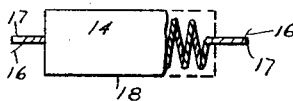
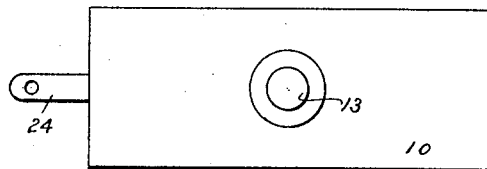


Fig 4

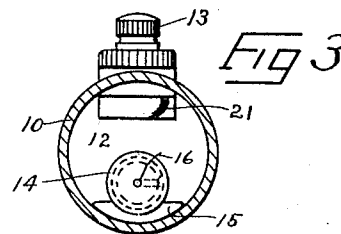


Fig 3

INVENTOR
Louis Ludwig
BY
Henrik J. Schmidt
ATTORNEY

UNITED STATES PATENT OFFICE

LOUIS LUDWIG, OF BROOKLYN, NEW YORK

PROTECTOR FOR RADIO SETS

Application filed June 19, 1928. Serial No. 286,702.

My invention relates to protector for radio sets using commercial current and has for its main object to provide a device which may readily be attached to any such set and which will effectively protect it from injuries, such as would be caused by an increase of the potential of the current normally used, and to so construct the device that it will function as a fuse. A further object is to provide a device of few parts, small in size, neat in appearance and inexpensive to manufacture.

These and other objects and advantages will be readily understood from the following description and from the accompanying drawing of a preferred embodiment, but it will be noted that modifications might be made without departing from the scope of the invention. In the drawing,

Fig. 1 is a cross-sectional top view of the device,

Fig. 2 is a top view,

Fig. 3 is a cross-sectional end view taken on line 3—3, Fig. 1, and

Fig. 4 is a fragmental side view of one of the parts in the device.

The protector consists of a tubular body member 10, having a fixture socket 11 inserted in one end and a two-pronged plug 12 inserted in the other end. A switch 13 is inserted in the side of the body member and a resistance coil 14 is secured in a cradle 15 attached on the inside of the body member.

The coil is constructed of a thin resistance wire 16 wound upon an asbestos cord 17. The asbestos cord is wound in a helix and imbedded in a suitable plastic material 18. The coil is so constructed as to allow only a given voltage to pass through it to the set, any higher voltage will be absorbed or cause the coil to burn out.

The various parts are electrically connected as follows. A wire 19 connects the prong 20 of the plug 12 with one side of the switch 13, a wire 21 connects the other side of the switch with the outer contact 22 of the socket 11, one end of the resistance wire 16 is connected to the center contact 23 of the socket, and the other end of this wire is connected to the prong 24. In operation the plug 12 is in-

serted in an outlet and the set is connected by having its plug inserted in the socket 11.

Having described my invention, what I claim as new and wish to protect by Letters Patent is—

In a device of the class described, an insulating tube, a recessed disc inserted in one end of said tube, two metal prongs secured on said disc in spaced relation, a lamp socket secured in the other end of the tube, a switch mounted in the side of the tube, a resistance element secured inside the tube, one of said prongs electrically connected through the switch with one contact of the lamp socket, and the other prong connected through the resistance element with the other lamp socket contact.

LOUIS LUDWIG.