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D. R. BAKER

2,487,509

COMBINATION POWER CORD AND CARRYING STRAP FOR PORTABLE RADIOS

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Fig. 1.

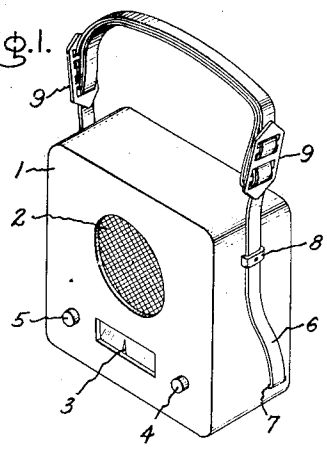


Fig. 2.

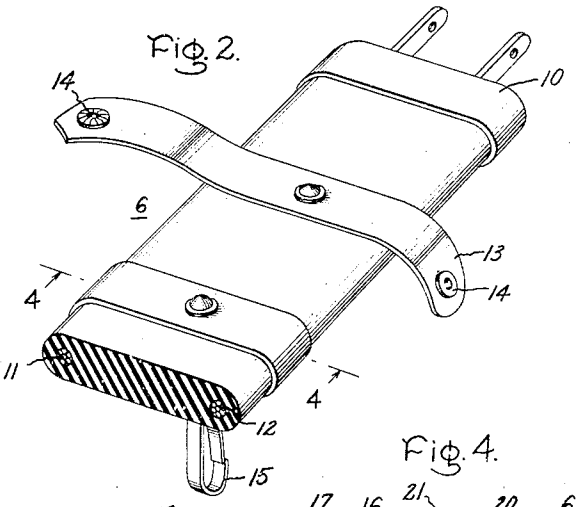


Fig. 3.

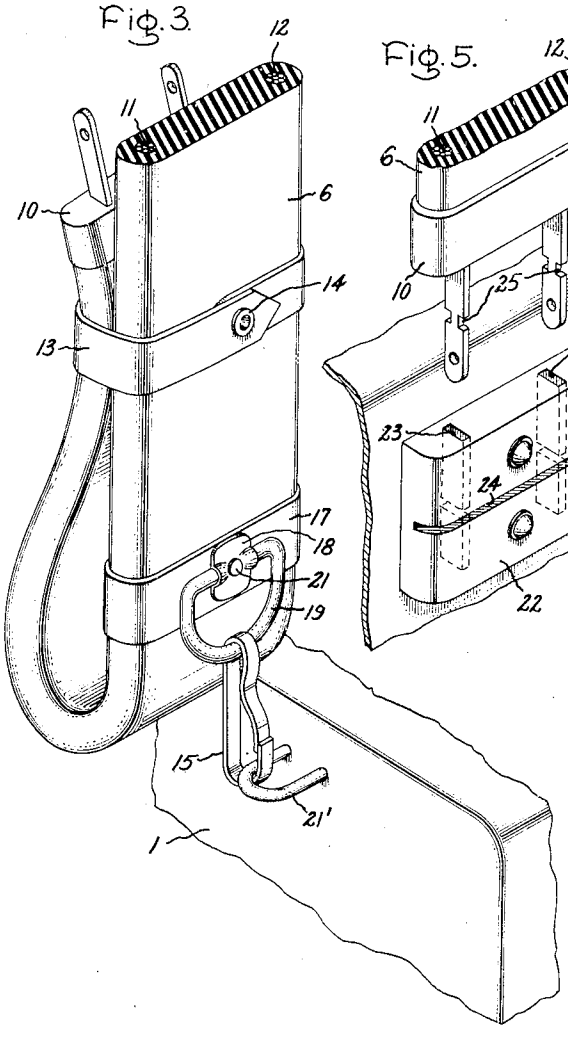


Fig. 5.

Fig. 4.

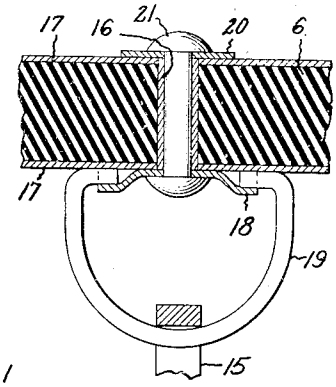
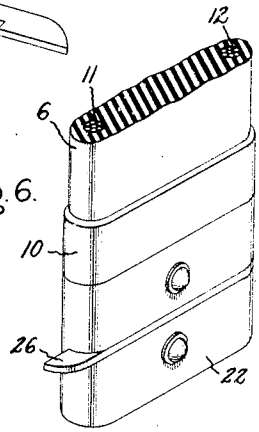


Fig. 6.



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COMBINATION POWER CORD AND CARRYING STRAP FOR PORTABLE RADIOS

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Application October 6, 1948, Serial No. 53,115

1 Claim. (Cl. 250—14)

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This invention relates to portable radio receivers of the type designed for operation from either an external power supply or from batteries within the enclosing cabinet, and more particularly to devices for carrying or transporting a radio receiver of this type.

The object of my invention is to provide a new and improved means for carrying a portable radio while traveling.

A further object of my invention is to provide a new and improved method of storing the power cord and attached plug of an alternating current-direct current portable radio.

Briefly, the objects of this invention are accomplished by an adjustable shoulder strap that is equipped for positive attachment to the cabinet of a radio receiver and so constructed as to contain within itself the alternating current supply cord.

The features of my invention which I believe to be new and desire to protect are defined with particularity in the appended claim. The invention itself, together with further objects and advantages, may best be understood by reference to the following description taken in connection with the accompanying drawings in which Fig. 1 is a perspective view of a portable alternating current-direct current radio receiver embodying the invention; Figs. 2 and 3 are perspective views of portions of the combination alternating current supply cord and shoulder strap; Fig. 4 is a cross section taken on line 4—4 of Fig. 2; and Figs. 5 and 6 are views of a modification of an attachment device for use with the receiver of Fig. 1.

Fig. 1 shows the cabinet 1 of a portable radio designed for operation on either an external alternating current supply source or internally from batteries. The radio possesses the usual loud speaker 2, a tuning dial 3, tuning knob 4 and volume control 5. A power cord 6 internally connected to the radio receiver at 7 for operation on alternating current is shown attached to the cabinet 1 by a fastening device 8 to prevent strain on the connection at point 7. A device 9 for adjusting the length of the combination power cord and carrying strap is shown attached to the strap. When adjusted to its shortest length and coupled to the cabinet, the carrying strap 6 comprises a means for transporting the radio by hand, thus eliminating the necessity of a storage space for the power supply cord 6 within the cabinet.

With reference to Fig. 2, there is shown a portion of the power supply cord 6 having an outlet plug 10 making electrical contact with stranded conductors 11 and 12 contained within the com-

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bination alternating current supply cord and shoulder carrying strap. The carrying strap 6 is formed, preferably in the shape shown in the figure, of a suitable flexible insulating material, such as rubber and contains within it the two conductors 11 and 12 which adapt the carrying strap 6 for use as the supply cord when use of an external power supply is desired. When in use as the carrying strap, the outlet-plug end may be held back against the strap by means of a holding device 13 which comprises a thin narrow strap of suitable material, such as leather, riveted to the carrying strap 6, the free ends of which may be securely held together by any desirable fastening means, such as snaps 14.

Fig. 3 is a perspective view of one type of device for coupling the carrying strap 6 to the radio cabinet 1. This view shows the flat or underside of the combination power cord and carrying strap 6 with the attached coupling member 15 for fastening the strap to the cabinet 1. This figure also shows the combination power supply cord and carrying strap 6 attached to the radio cabinet 1 by engagement of the snap fastener or coupling member 15 with a hook 21' attached to the cabinet, the outlet-plug end of the carrying strap being folded back against the strap and securely held by the fastening device 13.

In the cross section of this device, as shown in Fig. 4, a thin metal bushing 16 may be inserted in a hole through the center of the rubber strap 6 to protrude on each side, thereby engaging a thin narrow metal band 17 which is continuous and which traverses the outer periphery of the power cord and carrying strap 6. On the flat or underside of the carrying strap 6 a metal adapter washer 18 rests against the metal band 17 and secures the eyelet 19 against the metal band 17. On the upper or curved side of the carrying strap 6 a metal washer 20 is held against the metal band 17 by a metal rivet 21 extending through the entire assembly, holding it securely in place. The coupling member 15 linking with eyelet 19 is only partially shown in this figure.

In Fig. 5 I have shown a modification of a device used for attaching the power cord to the receiver 1. This device comprises a contact receiving plug or holding device 22 having longitudinal slots 23 and a transverse central slot 24. Preferably, the two prongs of the outlet plug 10 are provided with notches 25 so positioned that, when the prongs of the plug are inserted into the slots 23, the notches 25 are coincident with the transverse slot 24. A latching member 26 pivoted on the contact receiving plug 22 is arranged

to fit into the transverse slot 24 and is provided with notches 27 which fit into the notches 25 and lock the outlet plug 10 into the receiving plug 22. Fig. 6 is a view showing the outlet plug 10 locked into the plug 22 by means of the latch 26.

While the present invention has been described by reference to particular embodiments thereof, it will be understood that numerous modifications may be made by those skilled in the art without actually departing from the invention. I therefore aim in the appended claim to cover all such equivalent variations as come within the true spirit and scope of the foregoing disclosure.

What I claim as new and desire to secure by Letters Patent of the United States is:

In a portable radio receiver of the type adapted to be operated from either a self-contained unidirectional source or from an external alternating current source comprising a cabinet, a power cord having one end attached to said receiver on one side of said cabinet, means for relieving the strain on said cord at the point of attachment thereof to said one side, a fastening device attached to said receiver at an opposite side thereof, said device including a member for receiving and securely holding the other end of said cord, said cord when attached to said fastening device forming a carrying strap for said receiver, and means for adjusting the length of said strap between the points of connection to said receiver.

DONALD R. BAKER.

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