Oct. 10, 1939. H. HARTMANN 2,175,603

RADIO TABLE

Filed April 27, 1938

Fig. 1.

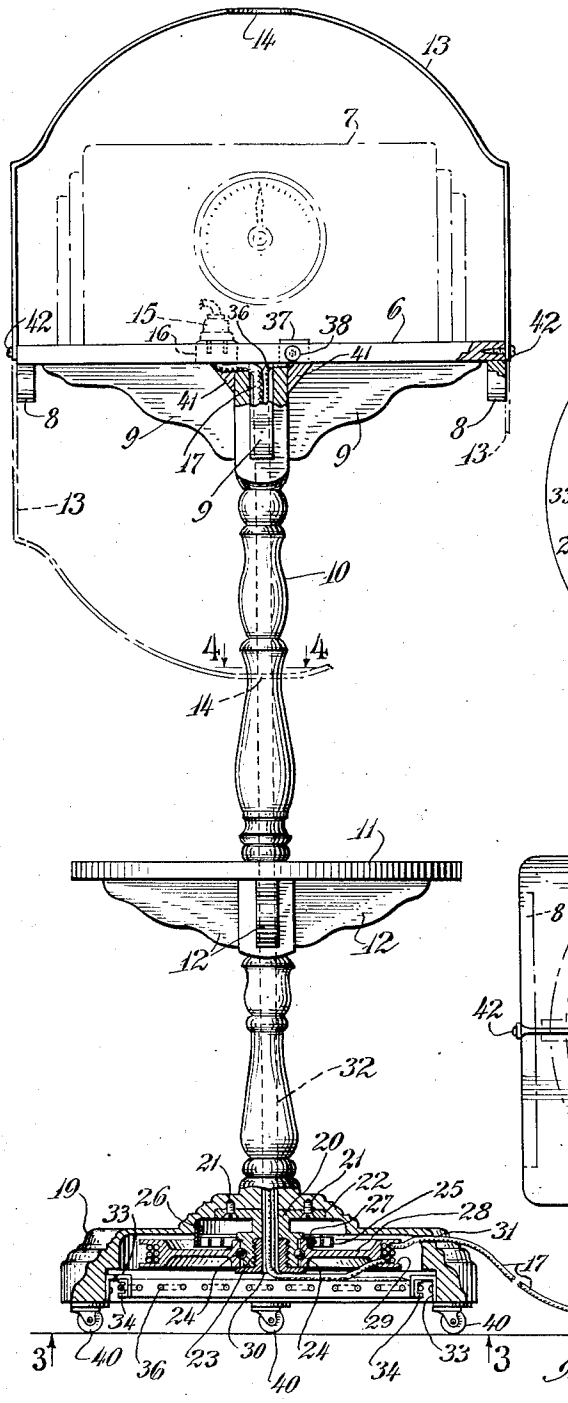


Fig. 4.

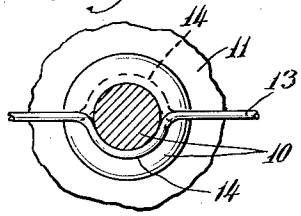


Fig. 3.

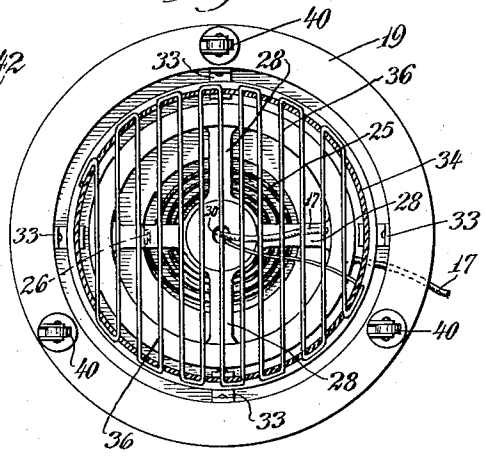
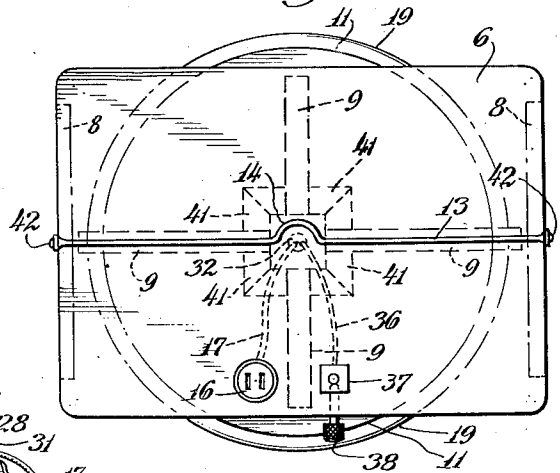


Fig. 2.



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RADIO TABLE

Henry Hartmann, Chicago, Ill.

Application April 27, 1938, Serial No. 204,696

4 Claims. (Cl. 250—33)

This invention relates to portable tables or supports for portable radios. Small and compact portable radio sets are really not portable in the sense that they are conveniently carried about whereas they are usually placed on a shelf, table, or other stationary support.

My object is to provide a portable support for such portable radio instruments making them portable in the full sense of the word and enabling one to move them about at will to any convenient place, so that they are not only portable but movable within the full sense of the word.

Another object of my invention is the provision of an aerial construction within the base of such a portable radio table or support.

A still further object of my invention is the provision of electrical connecting means for the radio set to both the aerial and the electrical source of supply, including a reel mechanism so that the wire connecting the table and the radio to the source of supply will automatically reel and unreel, depending on the positioning of the table with respect to the varied distances between the table and the plug or wall socket to which the radio is connected.

Other and further objects of my invention will appear from the description which follows wherein like characters are used to designate like parts and in which:

Fig. 1 is a front view of my invention, partially in cross-section.

Fig. 2 is a top plan view of Figure 1.

Fig. 3 is a plan view of the base of my invention showing the method in which the aerial wire is mounted.

Fig. 4 is a broken view on the line 4—4 of Figure 1, showing the type of construction of handle which is used in connection with my invention.

By reference to the drawing it will be noticed that 7 designates a portable radio set similar to those that are on the market at the present time, having a plug 15 for the purpose of connecting it to some electrical source of supply.

It will be noticed also that this radio rests on a flat top of my portable radio table invention designated by the numeral 6 and this table top is made oblong in shape or any other suitable shape and mounted on a base or upright 10 which in turn is mounted on a base generally designated by 19.

The table top sides are reinforced by ribs 8 which serve to strengthen it and provide anchorage for the handle 13 which is movable from the position shown to the dotted position in Figure 1. The handle member 13 has a special arcuate portion 14 at its midpoint as is shown in Figure 4 in order that when it is placed in the dotted position shown in Figure 1, it will more or less fall in line and become congruent with the curvature of member 10 thereby embellishing the configuration or design of the invention.

The handle swivels on two screw members 42, attached to the table top 6 which in turn is connected to the upright 10 by virtue of four ribs designated by the numeral 9. In some convenient position above the base there is a shelf designated by the numeral 11 and likewise fastened or secured to the member 10 by virtue of four ribs designated by the numeral 12.

The base is mounted on three or more suitable casters 40 which provides my invention with a convenient arrangement for mobility.

Referring again to the top or supporting surface 6 it will be noticed it has an electrical receptacle 16 to receive the male plug 15 of a portable radio instrument and is also provided with a metallic socket designated by 37 and connected to aerial wire 36 which is passed thru the upright 10 by virtue of a hole 32 all the way through member 10 through the base 19 and then secured to a circular shaped antenna supporting member 34 in the formation and arrangement shown and designated at 36 in Figure 3, in order to permit a sufficient length of aerial wire to be mounted to make the arrangement as compact as possible.

The antenna supporting member 34 is secured to the recess in the base member 19 by means of U shaped brackets designated by 33 and secured by screws or any other common elements of attachment. The female electrical receptacle 16 heretofore referred to is connected to a wire 17 which runs through the hole 32 drilled in the member 10, and is reeled on a reel designated by the numeral 28 having an annularly recessed periphery 29 for winding or unwinding the accumulated electrical wire 17 which terminates in a male plug 39 used to plug into any electrical female wall socket or receptacle.

The base 19 is provided with a hole 31 to allow easy sliding and movement of the wire 17 whenever it is desired to move the table to and fro or in any direction necessary.

To describe somewhat further the details of operation of the reeling and unreeling action of the reel 28 it will be seen that it has at its center a hub portion which has an annular race for receiving the ball bearings 24, another raceway being provided in the part 20 which has a flange

22 at its top portion secured to the base member 19 by virtue of screws 21, having also a reduced portion 23 which has a female thread to receive the nut 30 which is drilled to permit the wire to clear therethru and which serves the purpose of holding the wire reel 28 in such a manner as to offer it free rotation in either direction.

It will be noted that there is also provided a spiral flat spring 25 having one of its ends fastened at 27 or the hub of the wire reel and its other end is secured at a point designated by 26, within the recess of the base member 19.

This spring is of a light construction so that it will permit the radio table to stay put whenever it is moved in any direction, yet it is powerful enough to reel up any excess loose wire which may be lying on the floor between the wall and the table.

I show in the drawing the wooden portions or members 41 which are of a triangular cross-section in order to strengthen the joint where the table is secured to the standard 10. With my device when one has a portable radio instrument all that needs to be done is to place the instrument on the table 6, plug in its male plug 15 to the female receptacle 16 and take its aerial wire extension and connect it to the socket 37 provided for such a connection, tightening up the binding post or screw member 38, and the radio is ready for operation.

Now it can be readily seen that this invention provides a mobile and portable table for portable radio sets maintaining their identity as portable sets in the fullest sense of the word. I believe I have described quite fully my invention by the means of the drawing and specification herein outlined.

While I have shown a preferred embodiment of structure it is to be understood that the general idea is to be covered broadly yet I am not to be limited to strict reproduction of the embodiment shown, but that I reserve the right to make such changes, modifications and alterations that may come within the scope of this invention and of the appended claims.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A portable radio table for supporting a portable radio instrument, said table having a top supporting member attached to a hollow base member by virtue of a hollow standard, antenna means mounted within said hollow base member comprising, an antenna supporting member provided with a perforated rim portion adapted to receive a suitable length of antenna wire in sinuous formation, and a length of antenna wire sinuously secured to said antenna supporting member, said wire having one end anchored in the said antenna supporting member and an opposite free end brought thru the said hollow standard, and binding post means mounted on the surface of the said top supporting member and connected to said free end thus connecting the antenna connection of said portable radio instrument to the opposite free end of the said antenna means.

2. A portable radio table for supporting a portable radio instrument, said table having a top supporting member attached to a hollow base member by virtue of a hollow standard, antenna means mounted within said hollow base member comprising an antenna supporting member provided with a perforated rim portion adapted to receive a suitable length of antenna wire in sinuous formation, a length of antenna wire sinuously secured to said antenna supporting member, said wire having one end anchored to said antenna supporting member and an opposite free end brought thru the said hollow standard, and binding post means mounted on the surface of the said top supporting member and connected to said free end thus connecting the antenna connection of said portable radio instrument to the opposite free end of the said antenna means, the said antenna supporting member mounted within the inner recess of the said hollow base member by virtue of at least three U shaped channel members in order to secure the said antenna supporting member within the recess of the said base member.

3. A portable radio table for supporting a portable radio instrument, said table mounted on at least three casters and having a top supporting member attached to a hollow base member by virtue of a hollow standard, antenna means mounted within the said hollow base member comprising, an antenna supporting member provided with a perforated rim portion adapted to receive a suitable length of antenna wire in sinuous formation, a length of antenna wire sinuously secured to said antenna supporting member, said wire having one end anchored in the said antenna supporting member and an opposite free end brought thru the said hollow standard, and binding post means mounted on the surface of the said top supporting member and connected to said free end for connecting the antenna connection of the portable radio instrument to the opposite free end of the said antenna means, the said antenna supporting member mounted within the inner recess of the said hollow base member by virtue of at least three U shaped channel members in order to secure the said antenna supporting member within the recess of the said base member.

4. A portable radio table for supporting a portable radio instrument, said table having a top supporting member attached to a hollow base member by virtue of a hollow standard, antenna means mounted within the said hollow base member comprising, an antenna supporting member provided with a perforated rim portion adapted to receive a suitable length of antenna wire in sinuous formation, a length of antenna wire sinuously secured to said antenna member, said wire having one end anchored in the said antenna supporting member and an opposite free end brought thru the said hollow standard, binding post means mounted on the surface of the said top supporting member and connected to said free end for connecting the antenna connection of said portable radio instrument to the opposite free end of the said antenna means, and a handle member swivelably secured to the edges of the said top supporting member, provided with a semi-circular portion configurative to the contour of the said hollow standard, thus permitting the axis of the said hollow standard, the axis of rotation of the said handle member and the center lines of the side portions of said handle member to lie in the same plane, when the said handle is in an inoperative position, and when the said semi-circular portion coincides with the configuration of the said hollow standard.

HENRY HARTMANN.