

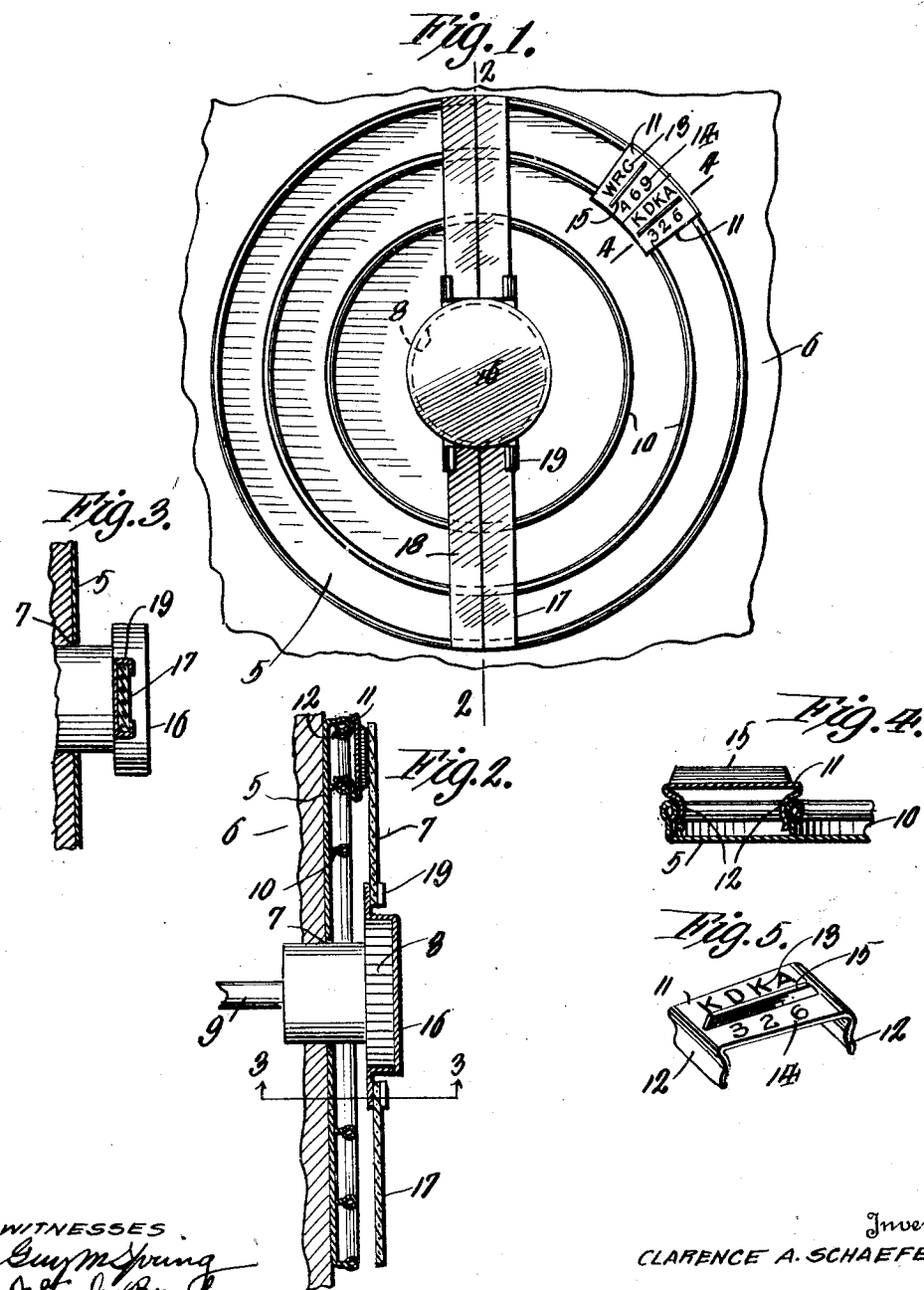
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C. A. SCHAEFER

RADIO INDICATING DEVICE

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WITNESSES
Clarence A. Schaefer
Stanley Buch

Inventor
 CLARENCE A. SCHAEFER

By *Richard B. Owen* Attorney

UNITED STATES PATENT OFFICE.

CLARENCE A. SCHAEFER, OF DAVENPORT, IOWA.

RADIO INDICATING DEVICE.

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This invention relates to certain new and useful improvements in radio indicating devices, and has more particular reference to an improved device particularly adapted for facilitating tuning of radio receiving sets for reception of concerts or the like from any desired one of a number of broadcasting stations having broadcasting apparatus set for different wave lengths.

10 The primary object of the invention is to provide an indicator of the above kind which is extremely simple and durable in construction as well as efficient in operation.

A further object is to provide an indicator of the above kind embodying readily removable tags for designating the stations and their wave lengths and effective means for removably retaining the tags in the desired or necessary position, whereby the tags may be interchangeably and temporarily applied to suit the various conditions of use and to enable making of changes when the wave length of the sending apparatus of any particular station is changed.

25 A still further object of the invention is to provide means for enabling the indicating tags to be made relatively small and at the same time facilitate reading of the names of the stations and the wave lengths of their sending apparatus placed on such tags.

30 Other objects will appear as the nature of the invention is better understood, and the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing, wherein like reference characters indicate corresponding parts throughout the several views,

40 Figure 1 is a front elevational view of a radio indicating device constructed in accordance with the present invention.

Figure 2 is a vertical sectional view taken substantially upon line 2—2 of Figure 1.

45 Figure 3 is a fragmentary section taken substantially upon line 3—3 of Figure 2.

Figure 4 is a fragmentary radial section drawn on a larger scale and taken substantially upon line 4—4 of Figure 1 and

50 Figure 5 is an enlarged perspective view of one of the station indicating tags.

In the form of the invention herein shown by way of example, there is provided an indicator disc 5 adapted to be suitably secured upon the outer surface of the panel 6 forming

part of a casing of the usual radio receiving set, and this disc 5 has a central opening 7 through which the knob 8 extends whereby the disc is concentric with a shaft 9 which carries the knob 8 and which is turned for tuning the receiving set for reception of concerts or the like which are broadcasted by numerous stations having differently set broadcasting apparatus.

60 The disc 5 is adapted to receive station indicating tags, and for this purpose is provided with a plurality of spaced concentric circular ribs 10 upon its outer surface concentric with the shaft 9 and provided with beaded free edges as shown.

70 As is also shown, the outer one of these ribs is formed integral with the plate by turning the edge of the plate upwardly and then forming the edge into a bead.

A plurality of concentric circular spaces 75 is thus provided for reception of a plurality of segmental station indicating tags 11, two of which are shown in place in Figure 1. It is thus apparent that tags representing a large number of stations may be placed between each pair of adjacent ribs 10 so that when the tags are disposed in two or more concentric circular rows, a large number of stations may be provided for.

80 The tags 11 are similar in construction and include a flat plate-like body portion having resilient laterally directed ends 12 which are corrugated to engage the beads of the ribs 10 whereby the tags are effectively detachably maintained in place. It is preferable that the resilient ends of the tags be disposed to pass between adjacent ribs to engage the adjacent sides of the beads thereof as shown.

85 By rounding the corrugations of the ends 12 of the tags 11, the latter may be more readily removed and applied, and by tensioning the ends 12 of the tags 11 to separate, the same may effectively engage the beads of the ribs for preventing accidental displacement of the tags under ordinary conditions. Each tag is preferably provided, by printing, stamping or the like, with the name of a station as at 13 and with the particular wave length as at 14 of the broadcasting apparatus of such station. In addition to this each tag has a central outstanding rib 15 which is disposed radial to the shaft 9 when the tag is in place and supported by the disc 5.

100 A cap 16 is applied to and suitably retained upon the knob 8 and has radial oppositely 110

projecting strips of magnifying glass 17 fixed thereto so as to provide a pair of indicating arms movable with the knob 8 and shaft 9.

The arms 17 have central radial indicating lines 18 suitably placed thereon, and it is readily apparent that when the knob 8 is rotated to a desired position the line 18 of one arm 17 may coincide with the rib 15 of one tag and the similar line 18 of the other arm 17 may coincide with a further tag positioned at the opposite side of the shaft 9. This is true if tags are only associated with one annual space between the ribs 10, but if tags are provided in both annular spaces, it is apparent that the indicating lines of 18 of the arms 17 may simultaneously coincide with the indicating ribs 15 of four tags. These tags will of course all bear the names of stations from which matter may be received when the arms are so set. In other words, a plurality of stations may be provided with sending apparatus adjusted to the same wave length, and the disc is made for accommodating the names of such plurality of stations in proper positions so that the desired result is had when the indicating lines 18 are alined with the indicating ribs of the tags designating such stations. The indicating arms 17 of magnifying glass are preferably of a width corresponding to the general width of the tags so that when an arm is properly set with respect to a tag, the data on such tag is magnified and readily readable. It is thus apparent that the invention provides means for facilitating tuning of a radio receiving set to receive from any desired one of a number of stations.

The cap 16 is preferably provided with pairs of clips 19 for retaining reception of the ends of the arms 17 so that the latter are positioned for properly swinging across the surfaces of the tags parallel with the plane of the disc 5.

While I have herein shown by way of example a stationary disc and movable indicating arms, it is nevertheless apparent that the form and relation of these parts may be greatly varied without departing from the spirit and scope of the invention as claimed, it being merely essential that one of these elements be movable relative to the other.

From the foregoing description it is believed that the construction and operation as well as the advantages of the present invention will be readily understood and appreciated by those skilled in the art.

What I claim is new is:

1. A wave indicator for radio receiving sets, comprising a disc member having a

central aperture for the extension there- through of an instrument shaft, a plurality of spaced concentrically arranged ribs projecting from the outer face of said disc, each of said ribs having the forward edge thereof formed to set up a bead, station indicator tags each comprising a plate like portion having a laterally extending corrugated leg at each end designed to be sprung between a pair of said ribs to engage the beads thereof, and a pointer member adapted to be fixed to said shaft for rotation therewith for co-action with said tags to tune the set for the reception of a desired station.

2. A wave indicator for radio receiving sets, comprising a disc member having a central aperture for the extension therethrough of an instrument shaft, a plurality of spaced concentrically arranged ribs projecting from the outer face of said disc, each of said ribs having the forward edge thereof formed to set up a bead, station indicator tags each comprising a plate like portion having a laterally extending corrugated leg at each end designed to be sprung between a pair of said ribs to engage the beads thereof, a pointer member adapted to be fixed to said shaft for rotation therewith for co-action with said tag to tune the set for the reception of a desired station, and a rib formed upon the outer face of the plate like portion of each tag to extend radially of the face of said disc, each of said ribs indicating the setting point for the indicator for the reception of the station indicated upon the tag.

3. A dial pointer of the character described, comprising a cap like member designed to engage over a rotatable instrument control knob, an elongated glass having a longitudinally extending indicator line thereon, and means carried by said cap at the periphery thereof for engaging one end of said glass to hold the same in a radially extending position with respect to said knob, to permit the glass to turn with the knob to arrange said line in overlying relation with respect to certain indicia.

4. A dial pointer attachment for use in connection with a rotatable instrument control knob and a fixed receiving set dial, comprising a cap like member adapted to removably engage over said rotatable instrument control knob, and an indicator arm carried by said member for co-action with certain station indicating designations upon said dial.

In testimony whereof I affix my signature.

CLARENCE A. SCHAEFER.