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L. L. DRIGGS, JR

INDICATING DEVICE FOR RADIO RECEIVING APPARATUS

Original Filed Feb. 26, 1925

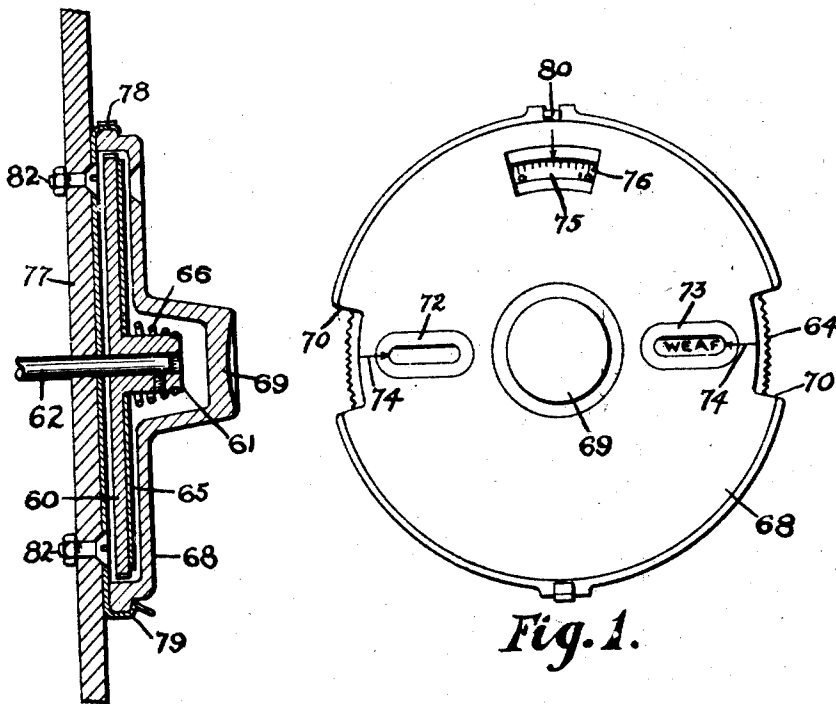


Fig. 1.

Fig. 2

Inventor

Louis L. Driggs, Jr.

By his Attorneys

Reading, Greeley, O'Hara & Campbell

UNITED STATES PATENT OFFICE.

LOUIS L. DRIGGS, JR., OF NEW ROCHELLE, NEW YORK.

INDICATING DEVICE FOR RADIO RECEIVING APPARATUS.

Original application filed February 26, 1925, Serial No. 11,748. Divided and this application filed June 12, 1926. Serial No. 115,499.

This application is a division of U. S. Serial No. 11,748, filed February 26, 1925, and relates particularly to means for manually rotating dials which are disposed
5 under covers by engaging the periphery thereof. Other features of the invention have to do with improved means for mounting the cover detachably on means carried with the panel board.

10 Indicating dials mounted on the panel board of a receiving apparatus, are connected to the condenser and the variable inductance in such a manner that one may tune in for a desired wave length. These indicating
15 dials have heretofore been marked only with numbers which have no particular significance, so that when one first sets up his receiving apparatus, it is necessary for him to hunt patiently for the signals from various
20 broadcasting stations and to note in a book the numbers on the dials which correspond with any given station with which his device is in tune. When he wishes to listen
25 in on a given station, he must refer to his notebook and then set the dial in accordance with the numbers therein found. If he loses the notebook or if it is not readily available, then of course, his labor will have been lost and he cannot find any given station without
30 going through the same experimental work of hunting for the correct setting.

It is accordingly the prime object of my invention to provide an indicating dial on which the operator may make suitable markings
35 to indicate the different stations as he finds them, so that he may turn the dial directly to any given position representing roughly the wave length of a desired station, after which it is merely necessary for him to
40 make a micrometer adjustment to get the exact wave length.

A further object is to improve the construction and design of such an indicating device and to provide a simple form which
45 may be cheaply manufactured and assembled, which permits ready replacement of the record blanks, and which is generally suitable for indicating the correct position for a variable device in a radio apparatus
50 to tune it as desired.

With these and other objects in view as will be apparent to one skilled in the art, my invention resides in the combination of

parts set forth in the specification and covered by the claims appended hereto.

Referring to the drawings which illustrate one embodiment of my invention:

Figure 1 is a front elevation of another type embodying my invention.

Figure 2 is a vertical section thereof.

The drawings indicate how my invention may be applied to an indicating device in which the dial is rotated by frictional contact with its periphery. In this modification the rotatable dial 60 is provided with a centrally located boss 61 having a socket in which is mounted the post 62 of the variable device of the radio apparatus, the parts being fastened together by a set screw 63. The periphery of the rotatable dial is provided
70 with a knurled edge 64 or is otherwise so shaped that one may easily rotate the disc by engaging the finger with the edge thereof.

This rotatable dial carries a record blank 65 thereon which may be made of paper, celluloid or other suitable material, and in this case I prefer to hold the record blank in place by means of a spring 66 fastened at one end to the top of the boss 61. The other end of the spring, which is spread in a conical shape, resiliently presses against the record blank 65 and thus holds it firmly in place.

A cover 68 is located over the indicating dial, and it is provided with a central raised portion 69 which covers the boss on the indicating dial. The periphery of the cover is cut away in one or more places 70, which are so located that one may obtain a finger hold on the dial. These holes 70 through the cover are preferably arranged opposite each other, as illustrated. The cover is further provided with the windows 72 and 73 which may have bevelled edges as above described and suitable indicating markings 74 for
95 aligning the record indicia.

A further window 75 in the upper portion of the dial serves to provide means for observing the evenly spaced and numbered dial markings 76 which are ordinarily made on the outer marginal portion of the record blank.

This cover may be suitably fastened to a panel 77 of the radio apparatus, and in this particular modification I have shown as the fastening means a clip 78 which has up-

wardly curved spring ends 79 bent inwardly in the form of loops and adapted to engage over projecting lugs 80 on the cover. The spring clip may be suitably fastened to the
5 panel as by means of bolts 82.

What I claim is:

In a radio tuning apparatus having a rotatable shaft for operation of the tuning means, a disk carried on and secured to the
10 shaft, a record blank mounted on the face of the disk, means carried with the disk to hold the blank in place, a stationary cover for the

disk and provided with an opening to permit observation of the record blank, said cover being also formed with another opening at
15 its edge for direct engagement of the periphery of the disk with the operator's finger whereby the shaft may be rotated through finger rotation of the disk and the indicia
20 may similarly be moved a correspondingly extent.

This specification signed this 28 day of May A. D. 1926.

LOUIS L. DRIGGS, JR.