Dec. 4, 1928. 1,693,892

N. P. FUCHS, JR

STATION INDICATOR FOR RADIO SETS

Filed July 22, 1927 2 Sheets-Sheet 1

Fig. 1.

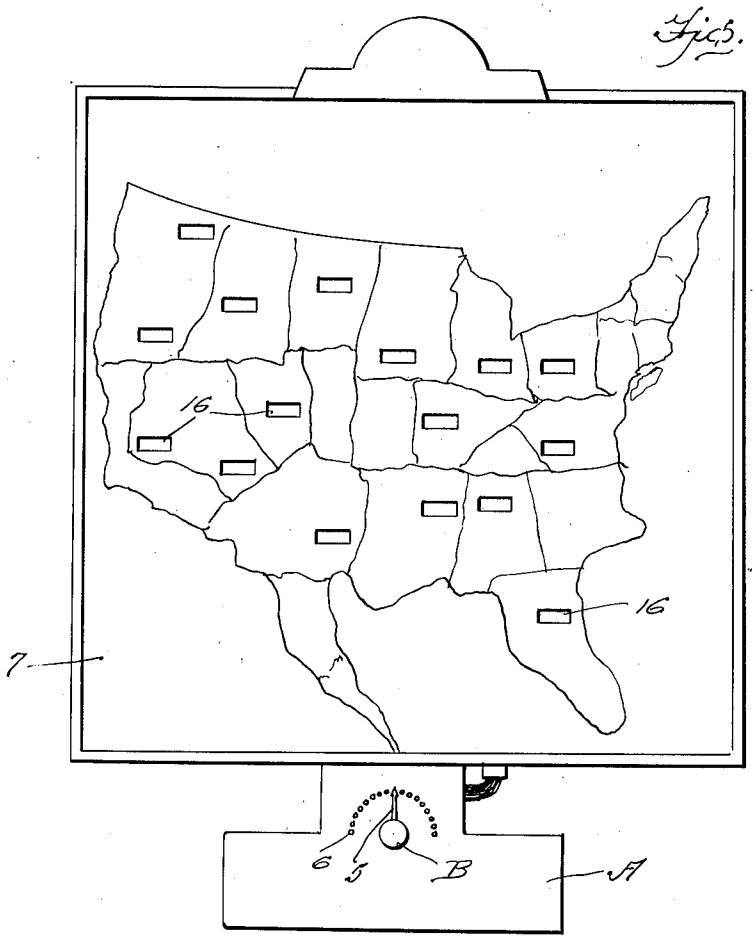
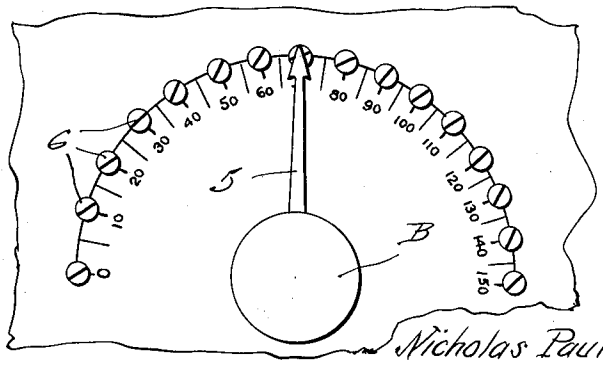


Fig. 4.



Inventor
Nicholas Paul Fuchs, Jr.

By Clarence A. O'Brien
Attorney

Dec. 4, 1928. 1,693,892

N. P. FUCHS, JR

STATION INDICATOR FOR RADIO SETS

Filed July 22, 1927 2 Sheets-Sheet 2

Fig. 2.

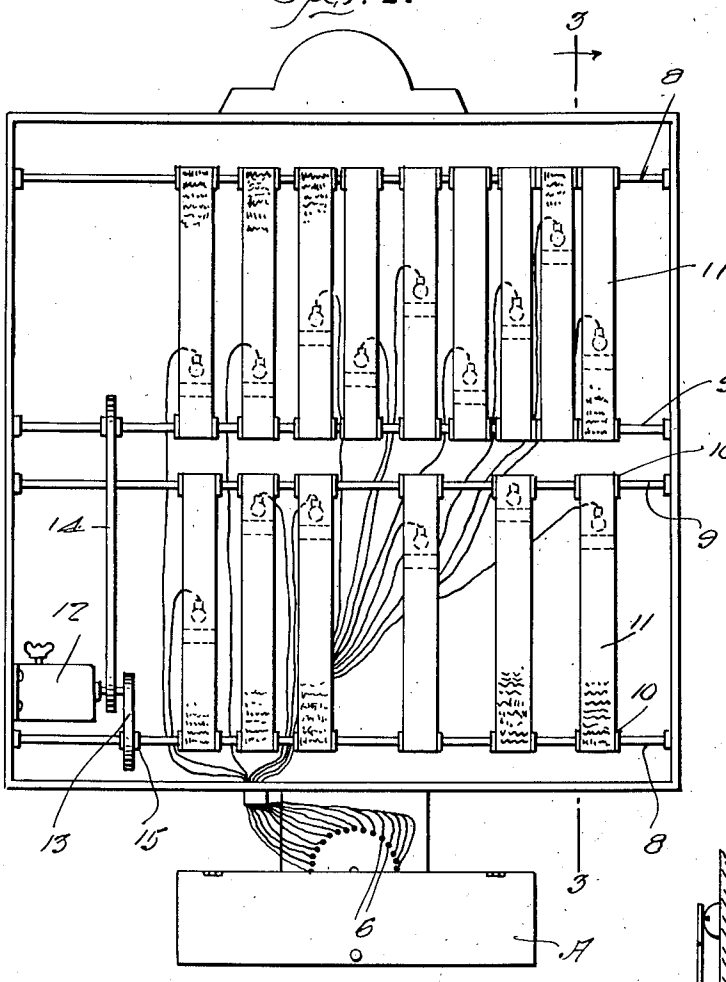


Fig. 3.

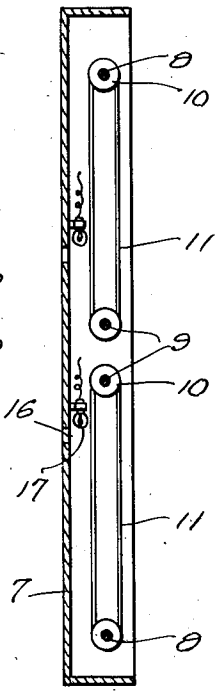


Fig. 5.

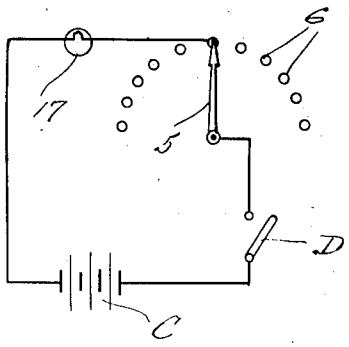
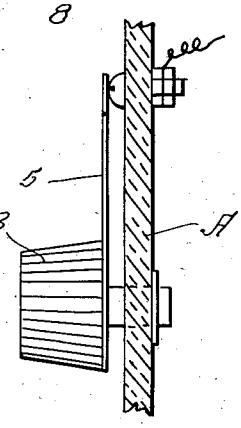


Fig. 6.



Inventor
Nicholas Paul Fuchs. Jr,

By Clarence O'Brien
Attorney

Patented Dec. 4, 1928. 1,693,892

UNITED STATES PATENT OFFICE.

NICHOLAS PAUL FUCHS, JR., OF AKRON, OHIO.

STATION INDICATOR FOR RADIO SETS.

Application filed July 22, 1927. Serial No. 207,733.

This invention relates generally to new and useful improvements in radio sets and aims to provide means for indicating the particular station that is usually brought in during the operation of the set when one or all of the dials are located at a particular point. By reasons of this invention it will not be necessary for the radio operator to await the announcement of the announcer to determine which particular station is coming over, with the obvious result that undesirable stations, determined by previous experiments, may be passed over and other more desirable stations picked up.

The invention further aims to provide a device of this character wherein when the dials or a single dial, if a one-dial set, is at a particular point in its turning movement and operating to indicate a particular station within a particular locality a brief history of the locality or the radio station will be given.

One of the most outstanding objects of the invention is to provide a device of this character that is of relatively simple construction and inexpensive of manufacture, and that may be installed in radio sets now in use.

In the drawings wherein like reference characters indicate corresponding parts throughout the several views:

Figure 1 is a reduced front elevation of any character of single dial radio sets equipped with my improved device.

Figure 2 is a rear elevation thereof.

Figure 3 is a detail vertical section of the indicating unit per se and taken substantially upon the line 3—3 of Figure 2.

Figure 4 is a front elevation of that point of the radio panel equipped with a station selector dial that is in turn equipped with a current conducting pointer adapted for wiping engagement over contacts arranged at spaced and marked points upon the panel which comprise essential features of the present invention.

Figure 5 is a diagrammatic view of one circuit in the device, and

Figure 6 is a section through the radio panel directly adjacent the station selector dial.

Now having particular reference to the drawings, A designates generally a radio receiving set equipped with a station selector dial B. In carrying out my invention this dial B is equipped with a current conducting pointer 5, while arranged in a semi-circular manner around the said dial B and spaced therefrom and through the front panel of the set are spaced contact points 6. These contact points are suitably designated as to the various wave lengths and in sequence similar to the markings upon substantially all radio sets now in use.

The invention further consists of a substantially square shaped casing 7 of suitable material and preferably open at its back side. Journaled horizontally within this casing adjacent the top and bottom thereof are shafts 8—8, while arranged horizontally at the center of the said casing are spaced parallel shafts 9—9. The shafts at opposite sides of the horizontal center of the casing are equipped with complementary belt pulleys 10—10 over which are trained endless belts 11 of any suitable material such as canvas, leather or the like.

Arranged within this casing 7 is a suitable key-winding spring motor 12, the collar shaft of which is equipped with a pair of pulleys over which are trained endless belts 13 and 14. The belt 14 extends downwardly and is trained over a pulley 15 upon the lowermost shaft 8, said belt 14 extends upwardly and is trained over the shaft 9 above the horizontal center of the casing as clearly indicated in Figure 2, with the obvious result that when the motor operates the said pulley carrying shafts are rotated for causing the endless movement of said belts 11.

The outer face of the front wall of the casing 7 has printed or otherwise applied thereto a map of the U. S. as clearly indicated in Figure 1. Within the confines of certain ones or all of the States upon the map the said front wall of the casing 7 is provided with openings 16. Directly in back of these openings the interior of the casing is provided with electric lamps 17. These lamps 17 are electrically connected with predetermined ones of the contacts 6 upon the panel of the radio set A, while said lamps are also in circuit with the radio set storage battery C. The current conducting pointer 5 has electrical connection with the battery C through the medium of a switch D, and obviously during the turning of the dial B, the current conducting pointer 5 will wipe over the contacts 6 for immediately completing the circuit to the complementary lamps 17 within the casing 7 for thus indicating that the dial is set for a particular station.

Upon the outer surfaces of the endless belts A within the casing 7 is suitable indicia or

wording giving a history of the particular State or the broadcasting station within that State, so that as that particular point of the casing is illuminated, the wording upon the belt may be read through the particular opening 16 in the casing front wall.

It will thus be seen that I have provided a highly novel, simple and efficiently operating radio station indicator that is well adapted for all the purposes heretofore designated, and even though I have herein shown and described the invention as consisting of certain detail structural elements it is nevertheless to be understood that some changes may be made therein without affecting the spirit and scope of the appended claim.

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

In an indicating means for a display board, wherein the board is formed with a plurality of openings, travelling members arranged behind said openings and constructed of translucent material, the said travelling members having suitable readable matter thereon, in combination, a radio station selector dial provided with a contact arm, an electric lamp arranged behind each of said travelling members, the rays from each lamp being visible through the travelling member disposed in front thereof, a plurality of contacts adapted to be selectively engaged by the contact arm, of the selector dial, the said contact arm and the respective contact being engageable for closing a circuit to a certain lamp for illuminating the reading matter on the travelling member concerning a particular station in correspondence to the tuned position of the radio dial.

In testimony whereof I affix my signature.

NICHOLAS PAUL FUCHS, JR.