Sept. 23, 1930. J. J. JONES 1,776,470

PHONOGRAPH RECORD ATTACHMENT

Filed Dec. 15, 1928

Fig. 1.

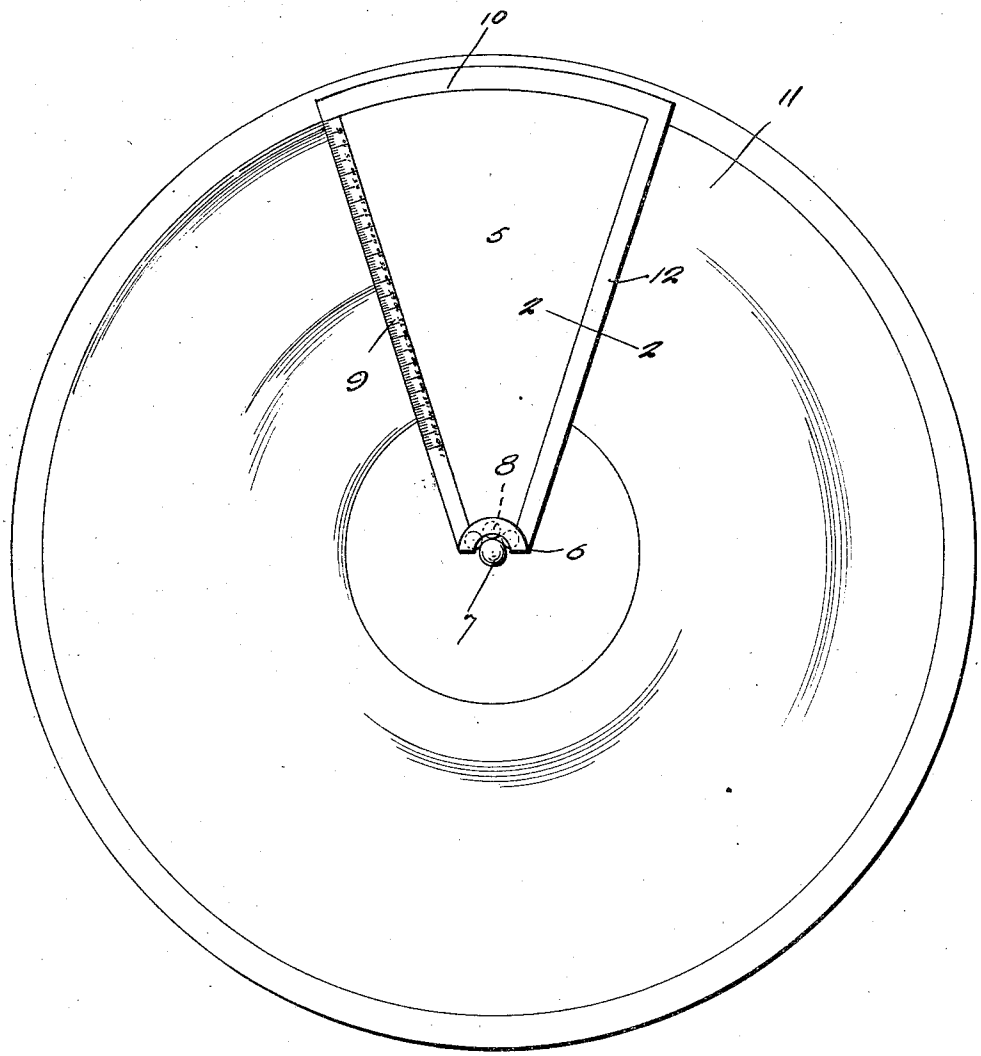
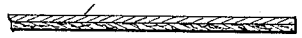


Fig. 2.



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UNITED STATES PATENT OFFICE

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PHONOGRAPH-RECORD ATTACHMENT

Application filed December 15, 1928. Serial No. 326,304.

The present invention relates to a device for accurately locating phrases upon disk phonograph records. This device is in the nature of an instrument which measures the grooves of a disk phonograph record along the line which is the radius of the disk so that the needle of the tone arm may be placed at any particular point on the record for playing a certain selected division thereof.

An important object of the invention resides in the provision of a device of this nature which is exceedingly simple in its construction, inexpensive to manufacture, strong and durable, accurate, easy to handle, and thoroughly efficient and reliable in use.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a plan view of the device showing the same on a disk phonograph record,

Figure 2 is a detail section on line 2—2 of Figure 1.

Referring to the drawing in detail it will be seen that the numeral 5 denotes a flat wedge shaped sheet of celluloid, bakelite, fiber composition or other suitable material which is stiff, durable and may be scaled.

The point end of the sheet 5 is denoted by the numeral 6 and is designed to form an arc which is fixed upon the spindle 7 of the phonograph record table and which has a ball bearing race with ball bearings therein as is indicated at 8 whose function is to facilitate the spindle turning with the device placed on top of the record.

The numeral 9 denotes a scale which may be marked off into millimeters but which may be graduated to fit the grooves of particular disk phonograph records should a more accurate device be required.

This scale 9 is arranged along one of the straight side edges as is apparent in the drawing. The outer margin is denoted by the numeral 10 and protrudes slightly over the edge of the record 11 thus facilitating the removal of the device after the correct place on the record has been indicated.

This margin may be decorated suitably if so desired. The numeral 12 denotes the other side edge in which may be placed a suitable trade-mark or facts such as instructions or the like.

Under the device it is preferable to fasten a base of suitable soft felt or other similar material which serves to protect the record and clean the dust out of the groove.

This device is designed primarily for use in study of what is termed "musical appreciation". By its use, any particular phrase of music may easily be located upon a given phonograph record without necessitating a search of the whole record by playing it over until the desired phrase is located.

Also it will aid in the study of certain examples of musical technique either vocal or instrumental which are to be found on phonograph records. The same applies to quotations on records of speeches, plays, poems or any other records portraying the spoken voice. On records of medley type, any one piece may be distinguished. Observations taken may be set down in a book, or on paper, and thus, if a complete index is worked out, any musical phrase or any vocal phrase may be placed instantly at a person's command, if he is in possession of the record upon which it appears.

In use, the device is positioned on the record with the arcuate inner end engaged with the member 7 in the manner illustrated in Figure 1 of the drawings. The needle is then placed at the desired point, this being determined through the medium of the scale 9, after which the device is removed. During the placing of the needle the device is to be held against rotation with the record by the hand of the operator.

This, therefore is a genuine time-saving device. It is thought that the construction, utility and advantages of the invention will now be quite apparent to those skilled in this art without a more detailed description thereof.

The present embodiment of the invention has been described in considerable detail

merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, in the materials, in the size and proportions may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

A device of the class described including a flat wedge shaped sheet having a straight edge with a scale therealong, the smaller end of said sheet being arcuate, and ball bearings mounted in said arcuate end to engage the spindle of a phonograph record table.

In testimony whereof I affix my signature.

JOE J. JONES.