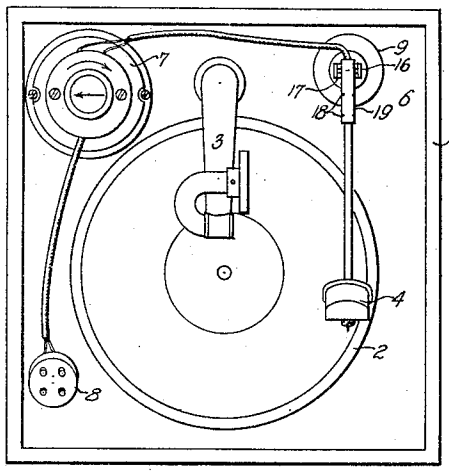
Dec. 20, 1932. L. F. CURTIS 1,891,369

CARRIER FOR ELECTROMAGNETIC PICK-UP

Filed Aug. 23, 1929

Fig. 1



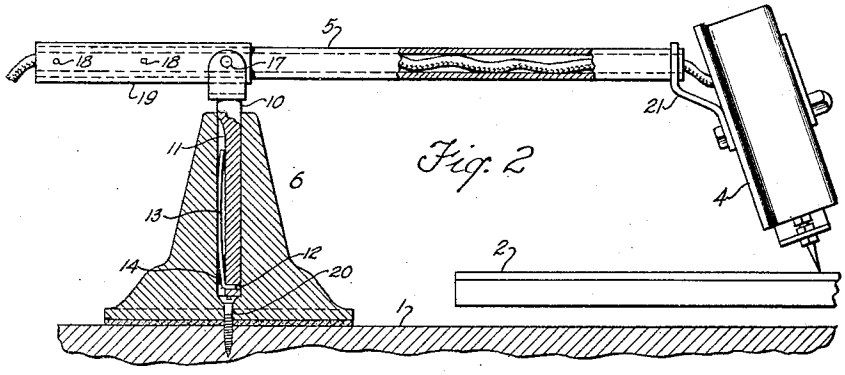


Fig. 2

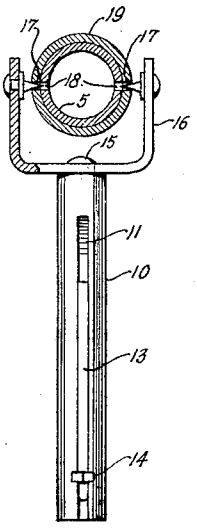


Fig. 3

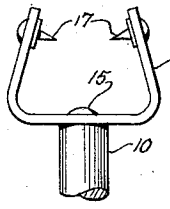


Fig. 4

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UNITED STATES PATENT OFFICE

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CARRIER FOR ELECTROMAGNETIC PICK-UP

Application filed August 23, 1929. Serial No. 387,842.

This invention relates to electromagnetic pickups, and more particularly to a support therefor.

The principal object of this invention is to provide a support having an arm which is adjustable along its length with respect to the turntable of a phonograph, or with respect to the base of said support so as to permit the pickup device to be accommodated within the playing compartment of phonographs of varying sizes without removing the tone arm which might be present also.

The invention comprises, broadly, a support having an arm which is adjustable longitudinally with respect to said support, said arm being pivotally mounted on and rotatable with respect to said support.

Though the accompanying drawing shows the preferred embodiment of this invention, the invention may take other forms which are within the principle and scope thereof.

Fig. 1 shows the usual disposition of the electromagnetic pickup device within the playing compartment of a phonograph; Fig. 2 is a detail, partly in section, of the support and arm; Fig. 3 is a cross section through 3—3 of Fig. 2; and Fig. 4 is a detail showing the yoke which supports the arm.

Throughout the drawing like reference characters indicate like parts.

Fig. 1 illustrates a phonograph cabinet 1, its turntable 2 and tone arm 3. Disposed within said cabinet, as shown, is the electromagnetic pickup device comprising the electromagnetic pickup 4, the arm 5, support 6 (indicated generally), volume control 7, and socket plug 8.

The subject of this invention concerns only the construction of the support 6 and arm 5, the two being called also, for convenience, the carrier for the electromagnetic pickup 4.

The support 6 comprises a base 9 into which is inserted the rod or member 10 having a longitudinal groove 11 and a transverse hole 12 into which is permanently secured an arcuate-shaped spring element 13. A convenient way of securing the spring to said rod is by peening over 14, the metal of the rod, at the sides of the groove.

The function of the spring is to exert a yielding pressure between the inside of the base and the rod so as to avoid rattle between the parts when in operation.

Mounted on said rod by a rivet 15 is a flexible yoke 16 bearing internally opposed pins 17, 17, which are adapted to engage with perforations 18 in the arm 5 and collar 19.

The arm may or may not be perforated, if the collar is; and the collar may be dispensed with and perforations provided in the arm. In any case the function and coaction of the elements is the same.

The perforations are axially alined and permit the arm to be supported at any one or another of points along said axis. This permits the device to be adjusted to any size of phonograph cabinet or arrangement of the elements therein.

The base 9 is provided with an opening in the bottom thereof which is adapted to receive a screw 20, whereby the support may be secured to the cabinet.

At the unsupported end of the arm is mounted a bracket 21 to which is attached the electromagnetic pickup.

Having described my invention, what I claim is:

1. A carrier for electromagnetic pickups comprising a base, a rotatable yoke mounted thereon having opposed pins, and an arm having depressions along its length engageable by said pins to provide means for adjusting the point of support of said arm.

2. A carrier for electromagnetic pickups comprising a base, a rotatable rod mounted therein, a yoke mounted thereon having opposed pins, and an arm having depressions along its length engageable by said pins to provide means for adjusting the point of support.

3. A carrier for electromagnetic pickups comprising a base, a rotatable rod mounted therein, a yielding element between said rod and base, a yoke mounted on said rod having opposed pins, and an arm having depressions along its length engageable by said pins.

4. A carrier for electromagnetic pickups comprising a base, a rotatable rod mounted therein, a spring carried by said rod and in

yielding frictional engagement between said base and rod, a yoke mounted on said rod having opposed pins, and an arm having depressions along its length engageable by said pins.

5. A carrier for electromagnetic pickups comprising a base, a rotatable member mounted therein, a yielding element offering frictional engagement between said member and base, an arm pivotally mounted on said member having a collar with axially alined perforations, and means carried by said member to engage said perforations.

6. A carrier for electromagnetic pickups comprising a base, a rotatable member mounted therein, a spring carried by said member and in yieldingly frictional engagement between said base and member, an arm pivotally mounted on said member having a collar with axially alined perforations, and means carried by said member to engage said perforations.

7. A carrier for electromagnetic pickups comprising a base, a rotatable member mounted therein, a spring carried by said member and in yieldingly frictional engagement between said base and member, an arm pivotally mounted on said member having a collar with axially alined perforations, means carried by said member to engage said perforations, and a bracket mounted on said arm to hold the pickup.

In testimony whereof I affix my signature.

LESLIE F. CURTIS.