

Dec. 29, 1942.

C. C. HASIN

2,306,726

PHONOGRAPH RECORD

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FIG. 1.

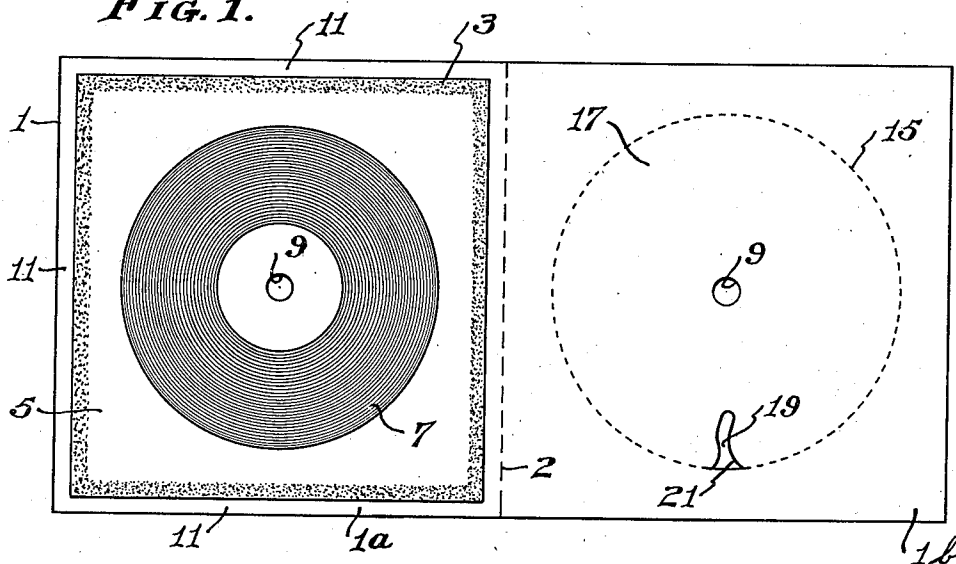


FIG. 2.

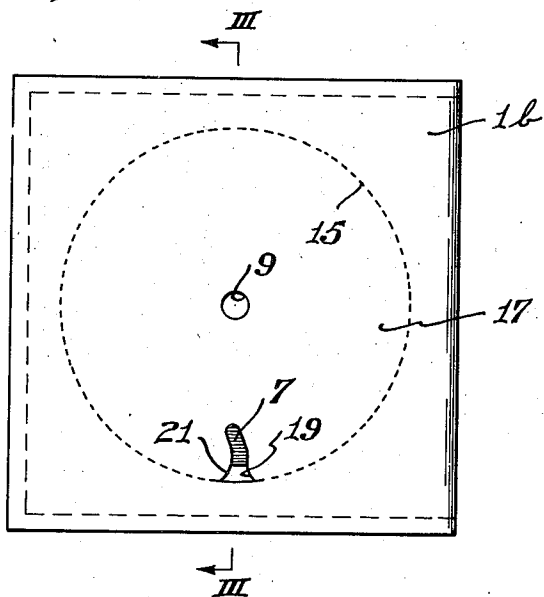
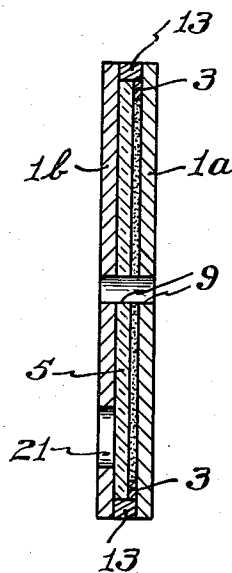


FIG. 3.



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PHONOGRAPH RECORD

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8 Claims. (Cl. 274—42)

This invention relates to phonograph records, and more particularly to a laminated record and package therefor, the present invention being in the nature of an improvement over that disclosed and claimed in my copending application Serial No. 260,785.

In the aforesaid copending application, I have shown a flexible record suitably interlocked with a base layer which serves as a supporting base therefor and provided with a cover which may constitute an extension of the base, the record itself being removably associated with the base. Under certain circumstances, it is preferable to secure the record to the base so that it cannot come loose therefrom. Heretofore, it has been known to secure a flexible record to a suitable base, as by an adhesive, but the adhesive has been applied over the entire area of the record. If moisture should happen to enter between the record and the base, the adhesive becomes clouded or discolored, and this presents an unsightly appearance when the record is made of transparent material.

Records of the type under consideration have been proposed for use in connection with personal messages, birthday greetings, advertising matter, and the like, and are usually suitable for mailing because of the flexible character thereof. When manufactured under certain climatic conditions and mailed to another part of the world where the climatic conditions are greatly different, it is not unusual for such records to become somewhat altered in size and for the grooved layer thereof to become separated from the base layer by reason of the fact that the two materials thereof have different coefficients of expansion and different warping characteristics.

The primary object of my present invention is to provide an improved phonograph record and package or cover therefor which will be free from the aforementioned disadvantages.

More particularly, it is an object of my present invention to provide an improved, flexible, laminated phonograph record the parts of which will not become separated when once assembled, and a package therefor in which the record can be safely mailed.

A further object of my present invention is to provide an improved record and package therefor as aforesaid which is simple in construction and which may be easily manufactured in great quantities and at small cost.

In accordance with my present invention, I provide a sheet of base material on one-half of which I mount a suitable transparent sheet on which

the sound grooves are formed, and I secure the latter sheet to the base preferably by means of an adhesive and only in a region along the marginal portion of the grooved sheet and for a distance inwardly short of the area occupied by the sound groove thereon. Thus, only the peripheral portion of the grooved sheet or disc is bonded to the base, the central portion thereof being free to bend or twist relative to the base, as during handling, changes in temperature, and under similar other conditions. Obviously, since there is no adhesive between the grooved disc or sheet and the base sheet, under the area occupied by the grooves, if moisture should enter between the two sheets, there will be no discoloration to mar the appearance of the record. After the grooved disc is secured in place on the base, the other half of the base sheet is folded over onto the first-mentioned half thereof and over the grooved disc to cover the latter, the two halves of the base sheet being secured at the marginal portions thereof. The central portion of the cover part is preferably perforated to provide a removable disc superposed over the sound grooves, and, to facilitate removal of this disc, I preferably provide a slot or the like therein which affords a tab that may be grasped by the fingers, thus affording a firm hold on the disc as it is being torn along the aforementioned perforation. Once this disc in the cover is removed, the groove in the record sheet becomes exposed for playing.

The novel features that I consider characteristic of my invention are set forth with particularity in the appended claims. The invention itself, however, together with additional objects and advantages thereof, will best be understood from the following description of one embodiment thereof, when read in connection with the accompanying drawing, in which,

Figure 1 is a plan view of a record and package formed according to my present invention and showing the base sheet unfolded with the cover portion thereof to one side of the grooved sheet,

Figure 2 is a view thereof with the cover folded over and the record and package in fully assembled relation, and

Figure 3 is a sectional view taken on the line III—III of Figure 2 and greatly exaggerated as to thickness for the sake of clearness.

Referring more particularly to the drawing, there is shown a sheet 1 of suitable material, such as cardboard, or of any other preferably inexpensive fibrous backing material, one half 1a of which constitutes the base proper and the

other half 1b of which constitutes a cover when the record is assembled as shown in Figure 2, a score line or the like 2 being provided substantially across the center of the sheet 1 to permit easy bending of the part 1b relative to the part 1a. Secured to the base part 1a by means of a suitable adhesive 3 is a sheet 5, preferably of a transparent material, such as cellulose acetate or the like, on which is formed a spiral sound groove 7 in well-known manner, the adhesive 3 being applied only to the marginal portion of the sheet 5 and extending radially inwardly thereon a distance short of the area occupied by the groove 7. The base part 1a and the sheet 5 are provided with aligned openings 9 which are coaxial with the spiral groove 7 and which are adapted to receive the spindle of a turntable in conventional manner.

Preferably, although not necessarily, the grooved sheet 5 is of smaller dimension than the base part 1a and, when mounted centrally on the base part 1a, a marginal portion 11 remains exposed on the base part 1a. After the grooved record sheet 5 has been secured to the base part 1a, the cover part 1b is folded on the score line 2 over onto the base part 1a to cover the grooved sheet 5, and the cover part 1b is preferably secured to the base part 1a along the upper, the lower, and the left-hand marginal portions 11, as viewed in Figure 1, by means of an adhesive 13 which may be the same as the adhesive 3. Thus, there is provided a unitary three-layer structure with the grooved sheet 5 sandwiched in between the parts 1a and 1b and in which the record groove 7 is protected against injury during handling and in transit.

The cover part 1b is formed with a circular perforation 15 to provide a central disc 17 which may be removed from the cover part 1b by tearing along the perforation 15. To facilitate taking hold of the disc 17, a slit or slot 19 may be formed on the disc 17 to extend substantially radially inwardly from the perforation 15, thus providing a tab 21 which can easily be grasped between the thumb and forefinger. The perforation 15 is preferably concentric with the groove 7 and of a slightly larger diameter, so that when the disc 17 is removed, the groove 7 will become entirely exposed for playing.

It will be obvious, from the foregoing description, that I have provided a novel and simple laminated record which can be sent safely through the mails without danger of injury and which can be quickly prepared for playing by simply tearing out the center disc 17. It will also be obvious that my improved record lends itself well to advertising since, after the disc 17 has been torn from the cover part 1b, four surfaces become available for advertising matter, namely, the back of the base part 1a, the surface thereof under the transparent record disc 5, and both surfaces of the disc 17. By applying the adhesive 3 only to the marginal portions of the record sheet 5, the surface under the sheet 5 not only will not become clouded when moisture enters in between the layers 1a and 5, but it is obvious that the central portions of the sheets 1a and 5 are free to move or twist or bend relative to each other slightly, so that changes in temperature will not deleteriously affect the size or shape of the groove 7.

Although I have shown and described but one embodiment of my present invention, it will be obvious that many other modifications thereof, as well as changes in the particular modifications

disclosed, are possible. For example, instead of applying the adhesive 3 entirely around the periphery of the sheet 5, it may be applied thereto only at the corners or at other suitably spaced points. Also, it is apparent that the sheet 5 may be made of the same size as the base part 1a, in which case the cover part 1b will be secured to the sheet 5 instead of to the marginal portion 11 of the base part 1a. Other similar changes are also possible within the scope of my invention. I therefore desire that my invention shall not be limited except insofar as is made necessary by the prior art and by the spirit of the appended claims.

I claim as my invention:

1. A laminated phonograph record comprising a layer constituting a base, a sheet of material having a sound groove thereon occupying an area less than the entire area of said sheet, said sheet being secured to said base in a region limited to an area external to the area occupied by said sound groove, and a cover over said sheet covering at least said region, said cover having an opening therein through which said sound groove is exposed.

2. A combined phonograph record and cover therefor comprising a sheet of base material, and a second sheet of material having a sound groove thereon occupying an area less than the entire area of said second sheet, said last named sheet being secured to one-half of said base in a region limited to an area external to the area occupied by said sound groove, the other half of said base sheet being folded over onto said first-named base half and over said second-named sheet to constitute a cover for said second-named sheet, said first-named base half, said second-named base half, and said second-named sheet being united into an integral three-layer structure.

3. A combined phonograph record and cover therefor comprising a sheet of base material, and a second sheet of material having a sound groove thereon occupying an area less than the entire area of said second sheet, said last named sheet being secured to one-half of said base in a region limited to an area external to the area occupied by said sound groove, said second-named sheet being of smaller dimension than said base half whereby to expose a portion of said base half, and the other half of said base sheet being folded over onto said first-named base half and over said second-named sheet to constitute a cover for said second-named sheet, said second-named base half being secured to said first-named base half along at least a part of said exposed portions thereof.

4. The invention set forth in claim 3 characterized in that said grooved sheet is located substantially centrally of said first-named base half whereby said exposed portion extends peripherally around said second-named sheet.

5. The invention set forth in claim 3 characterized in that said cover is provided with a removable part overlying said groove, the removal of said part exposing said groove for playing.

6. The invention set forth in claim 3 characterized in that said cover is provided with a perforation defining a removable part overlying said groove, and characterized further in that said removable part has a slit or the like therein extending radially inwardly from said perforation to provide a tab which may be easily grasped by the fingers to facilitate tearing said removable part along said perforation for removal thereof whereby to expose said groove for playing.

7. A combined phonograph record and package

therefor comprising, in combination, a base part, a cover part, and a third part interposed between said base and cover parts and having a sound groove thereon occupying an area less than the entire area of said third part, said three parts being united together into an integral structure at points limited to an area external to the area occupied by said sound groove, and said cover part

having a removable portion overlying said sound groove area whereby, upon removing said removable portion, said groove become exposed for playing.

8. The invention set forth in claim 7 characterized by the addition of means on said cover part to facilitate removal of said removable portion.

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