Sept. 15, 1942. W. McKINLEY 2,295,798

PHONOGRAPH RECORD CLEANER

Filed Sept. 18, 1941

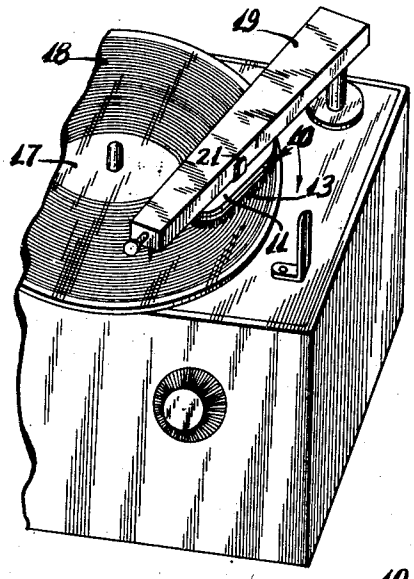


Fig. 1.

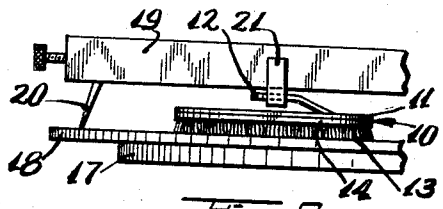


Fig. 2.

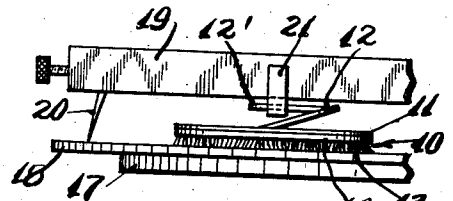


Fig. 9.

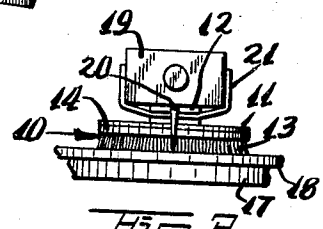


Fig. 3.

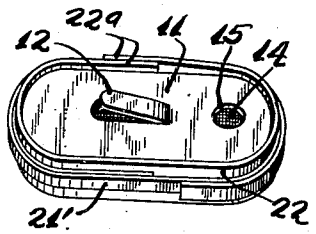


Fig. 7.

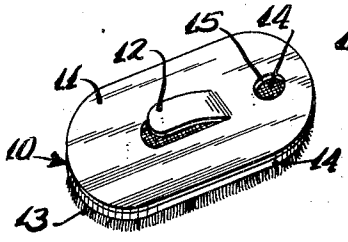


Fig. 4.

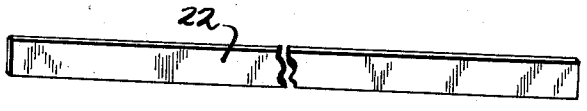


Fig. 5.

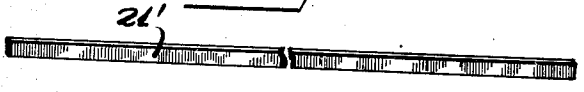


Fig. 6.

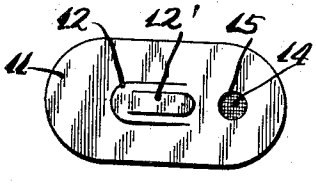


Fig. 8.

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PHONOGRAPH RECORD CLEANER

William McKinley, Brooklyn, N. Y.

Application September 18, 1941, Serial No. 411,295

2 Claims. (Cl. 15—246)

This invention relates to new and useful improvements in phonograph record cleaners.

The invention proposes a cleaner of particularly simple construction adapted to be readily mounted on the tone arm of a phonograph to clean the record during the operation thereof.

The invention further contemplates a novel method of packaging the phonograph cleaner so that it is protected and so that a certain tape used in the packaging may be used to properly support the cleaner on the tone arm.

Still further the invention contemplates characterizing the record cleaner by a brush or pad having a back provided with a stamped out lug directed upwards and forward in relation to the forward motion of a phonograph record, and a tape engaging the lug by which the brush or pad may be supported on the tone arm of the phonograph.

Insofar as the cleaner package is concerned it is proposed to encircle the brush or pad with a protective strip wound around it, and to provide a tape for holding said strip in position, which tape may be removed and then used to support the pad or brush upon the tone arm of the phonograph.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure—

Fig. 1 is a perspective view of a phonograph with a record cleaner constructed in accordance with this invention.

Fig. 2 is a fragmentary elevational view of a portion of Fig. 1 showing a portion of the phonograph and the record cleaner.

Fig. 3 is an end elevational view of Fig. 2 looking from the left hand side.

Fig. 4 is a perspective view of the record cleaner, per se.

Fig. 5 is a perspective view of the protective strip used in packaging the record cleaner.

Fig. 6 is a perspective view of the adhesive tape strip.

Fig. 7 is a perspective view of the packaged record cleaner.

Fig. 8 is a plan view of a record cleaner constructed in accordance with a modified form of this invention.

Fig. 9 is an elevational view similar to Fig. 2 but illustrating the record cleaner shown in Fig. 8, in use.

The phonograph cleaner, in accordance with this invention, is illustrated per se in Fig. 4. It comprises a brush or pad 10 having a back 11 provided with a stamped out lug 12 directed upwards and forwards. The back 11 preferably is made from relatively stiff composition material. The brush or pad has bristles or fibers 13 which are mounted on a backing element 14 which is in turn pasted or in any other way secured to the bottom face of the back 11. An opening 15 is formed in the back 11 through which the backing element 14 of the brush or pad is exposed.

The brush or pad 10, in accordance with this invention, is mounted in a certain way on a phonograph. This may be understood by an inspection of Figs. 1 to 3 in which a radio phonograph 16 is illustrated and includes the usual turn table 17 upon which the record 18 is placed. The usual tone arm 19 is adapted to extend across one side of the record. The tone arm 19 has the needle 20 which engages the record. A strip of tape 21 is engaged beneath the stamped out lug 12 and has its ends adhesively connected with the sides of the tone arm by which the record cleaner is supported in operative position.

The tape 21 may be mounted a little upwards or a little downwards, as desired, so that the record cleaner 10 rests by its own weight on the record 18. The record cleaner 10 is so positioned upon the tape 21 that the lug 12 is directed upwards in relation to the forward rotation of the phonograph record 18. With this arrangement the rotations of the phonograph record 18 has a tendency to force the record cleaner forwards and so insure the proper engagement of the lug 12 with the tape 21.

A novel method and means is proposed for packaging the record cleaner. This means includes a strip of cardboard 22 or other flexible material adapted to be wound around the sides of the package or pad forming the record cleaner, in such a way that its ends 22a overlap, see Fig. 1. The strip 22 is of a sufficient width so as to properly protect the top and bottom faces of the record cleaner. A tape 21' of adhesive material is wound around the strip 22 for holding the same in its wound condition upon the record cleaner. The tape 21' may be wound one or more times around the strip 22 so that when it is removed there is a sufficient amount of unused tape which may be used to mount the record

cleaner on the tone arm of the phonograph, as shown in Figs. 1 to 3.

It is proposed that the record cleaner and the packaging strips 22 and tape 23 be colored to match the finish of the phonograph. For example, if the phonograph is finished in red it is proposed that the record cleaner and packaging strips be similarly colored.

In Figs. 8 and 9 a modified form of the invention has been disclosed which is very similar to the prior form, distinguishing merely in the fact that the record cleaner has a small lug 12' stamped from the lug 12 and directed in the opposite direction to that of the lug 12. This smaller lug 12' extends upwards and may be utilized in supporting the record cleaner on the tone arm 10, as clearly shown in Fig. 9. The advantage of having the two lugs 12 and 12' resides in the fact that then there is a selection of lugs under which the supporting tape 21 may be engaged so as to effectively support the record cleaner on the tone arm so that it properly engages the record during its operation. In other respects this form of the invention is identical to the previous form and like parts are indicated by like reference numerals.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

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

1. A phonograph record cleaner, comprising a wiping member having a back provided with a stamped out lug directed upwards and forwards in relation to the forward rotation of a phonograph record, and a tape slipped under said lug and adapted to be attached at its ends on the tone arm of a phonograph.

2. A phonograph record cleaner, comprising a wiping member having a back provided with a stamped out lug directed upwards and forwards in relation to the forward rotation of a phonograph record, and a tape slipped under said lug and adapted to be attached at its ends on the tone arm of a phonograph, said tape being adhesive tape.

WILLIAM McKINLEY.