W. G. PEARSON.

GRAPHOPHONE RECORD CLEANER.

APPLICATION FILED DEC. 14, 1911.

1,102,073.

Patented June 30, 1914.

2 SHEETS—SHEET 1.

Fig. 1.

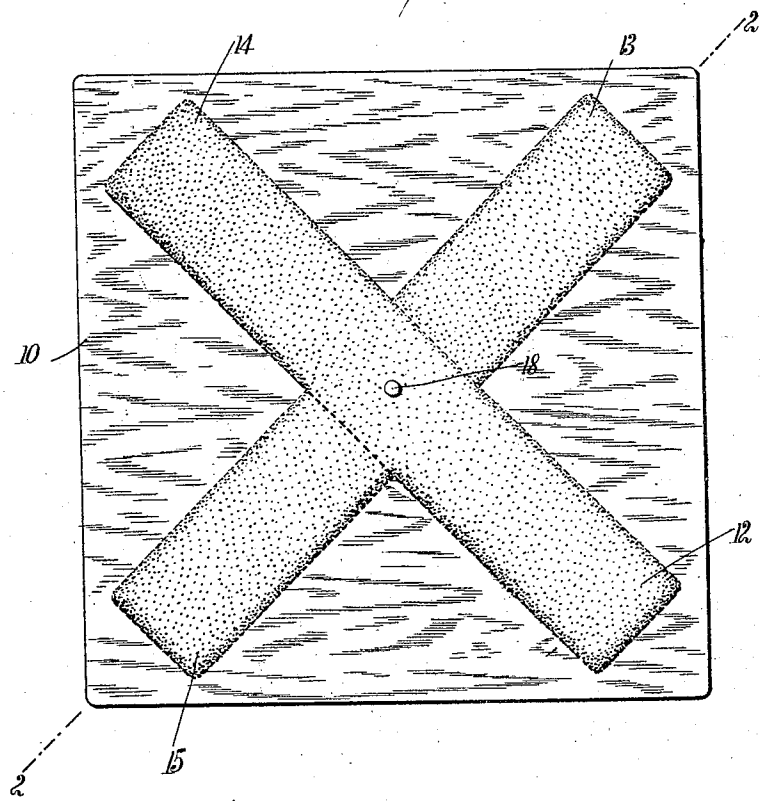


Fig. 2.

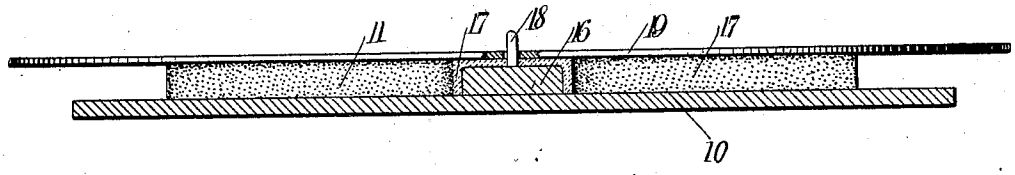
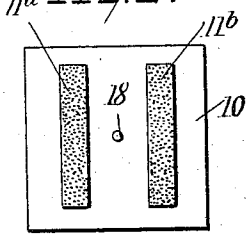


Fig. 3.



WITNESSES

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2 SHEETS—SHEET 2.

Fig. 4.

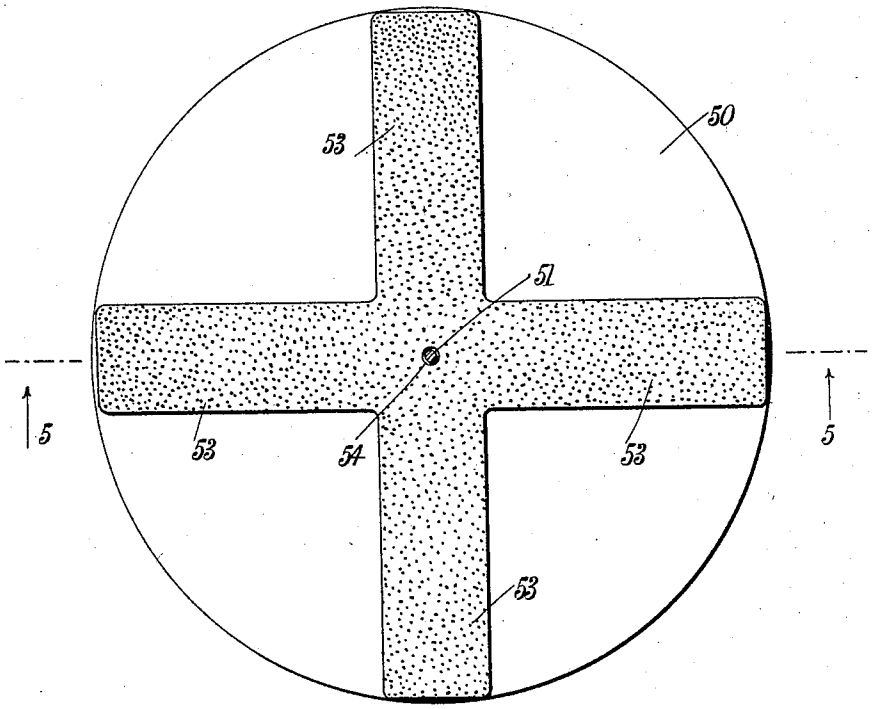
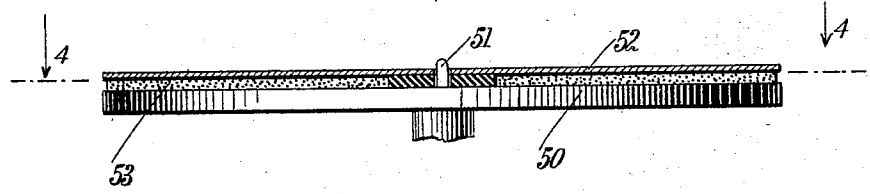


Fig. 5.



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UNITED STATES PATENT OFFICE.

WALTER GUY PEARSON, OF NEWBURYPORT, MASSACHUSETTS.

GRAPHOPHONE-RECORD CLEANER.

1,102,073. Specification of Letters Patent. Patented June 30, 1914.

Application filed December 14, 1911. Serial No. 665,634.

To all whom it may concern:

Be it known that I, WALTER G. PEARSON, a citizen of the United States, and a resident of Newburyport, in the county of Essex and State of Massachusetts, have invented a new and Improved Graphophone-Record Cleaner, of which the following is a full, clear, and exact description.

My invention comprises a new and improved cleaner for graphophone records, the construction and arrangement being such that records may be cleaned thoroughly and in a short time, the device being inexpensive in its make-up whereby it may be offered at a low price.

The provision of a device which may be easily manipulated is of some importance in setting forth the invention herein described, such ease of manipulation not being obtained at the expense of efficiency or thoroughness.

Reference is to be had to the accompanying drawings forming a part of this specification in which similar characters of reference denote corresponding parts in all the views, and in which—

Figure 1 is a plan view of one form of the device; Fig. 2 is a sectional view thereof along the line 2—2 of Fig. 1, the record being shown in position for cleaning; Fig. 3 is a plan view of a modified form; Fig. 4 is a top plan view of a graphophone turn table fitted with my device, on the line 4—4 of Fig. 5; Fig. 5 is a sectional view of the record and cleaning device on the line 5—5 of Fig. 4.

The device comprises a base 10 of any suitable shape or form and made of any desirable material, preferably, however, of wood, there being an elevated or raised cleaning element carried by this base, this element 11 preferably assuming the form of a cross, as shown in Fig. 1, and having the arms 12, 13, 14, and 15. It is not essential that the cleaning element assume this particular form as the cleaning may be accomplished by a plurality of such elements 11^a, 11^b, arranged as shown in Fig. 3, or in any convenient and proper manner. The idea is that by providing this elevated cleaning element along the lines described there will be a plurality of spaces between the under side of the disk or record which is being cleaned and the base, thereby permitting manipulation of the record by the hands during the cleaning operation.

The cross sectional form of each of the parts of the cleaning element may be anything desired, simplicity and convenient assembling being desirable, the form shown in Fig. 2, however, comprising a block 16 of rectangular formation, secured to the base 10 in any suitable manner.

The cleaning element proper is preferably pieces of carpet 17 held in position on the arms in any suitable manner, carpet being chosen because of the texture and weaving thereof, the nap extending outwardly from the body of the carpet affording a very effective medium for entering the grooves in the disk or record, thereby removing the dust or other accumulations therefrom in order to provide for more efficient operation of the record when placed in a suitable machine.

In order to maintain the record in position on the cleaning element I make use of a pivot 18 passing through the usual opening in the disk or record 19, the cleaning being accomplished by turning the record about this pin.

In Figs. 4 and 5 I have shown a modification of the inventive idea, the same involving the turn table 50 of a graphophone, the table being provided with the usual upstanding pin 51 on which the record 52 is positioned. In this instance the cleaning device comprises a piece of material, preferably shaped like a cross, as shown in Fig. 4, the arms 53 thereof being substantially equal in length and the central point of the cleaning device being provided with an opening 54 through which the pin 51 extends.

The material of which the cleaning device is made may be anything suited to the purpose but, as I have stated before, the preferred material is a piece of velvet carpet, the nap of which extending upwardly therefrom is very well adapted to engage the grooves of the record with a brush-like action, thereby effectively cleaning them.

The device may be left on the graphophone turn table if so desired or may be positioned thereon merely when it is desired to clean the records, the presence of the device in no way affecting the operation of the machine.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent:—

1. A device for cleaning disk records of

phonographs, comprising a cleaning element formed of a plurality of members of fibrous material, and a support on the upper face of which the cleaning element is mounted, the support having a vertical pin projecting above the cleaning element and upon which a disk record is adapted to be mounted to rest on the said cleaning element.

2. A device for cleaning disk records of phonographs, comprising a cleaning element of fibrous material having a nap and in the form of a cross, and a support upon the upper face of which the cleaning element is mounted, the support carrying a pin projecting above the cleaning element and upon which a disk record is adapted to be mounted to rest on the said cleaning element.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER GUY PEARSON.

Witnesses:

EDWARD HERRICK ROWELL,

BLANCHE BUTLER KIMBALL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."