

Sept. 4, 1928.

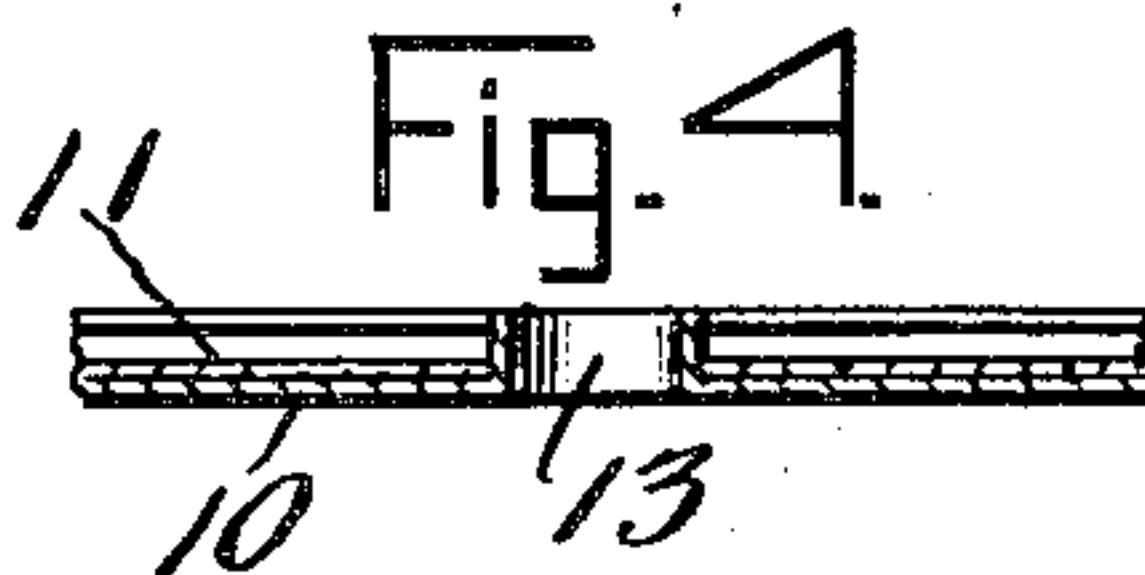
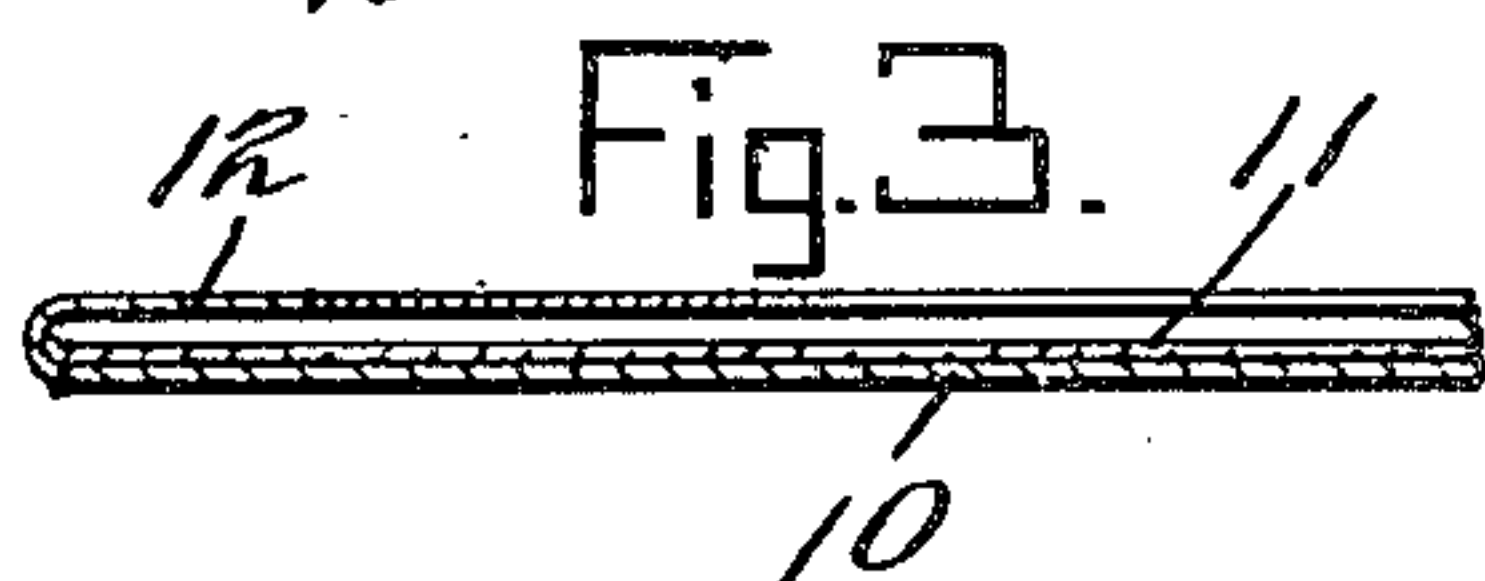
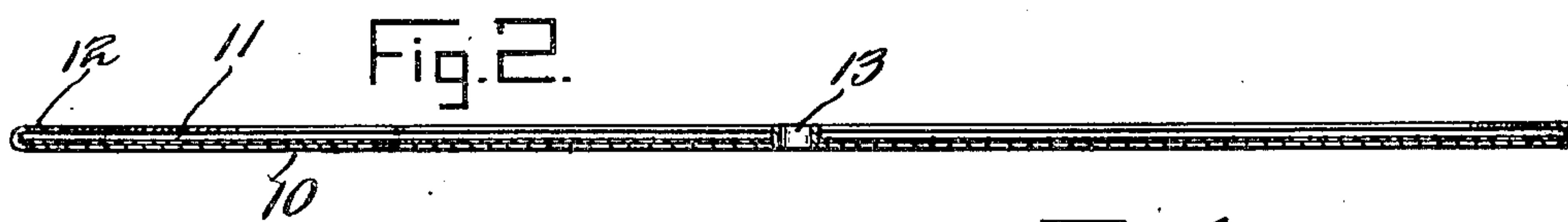
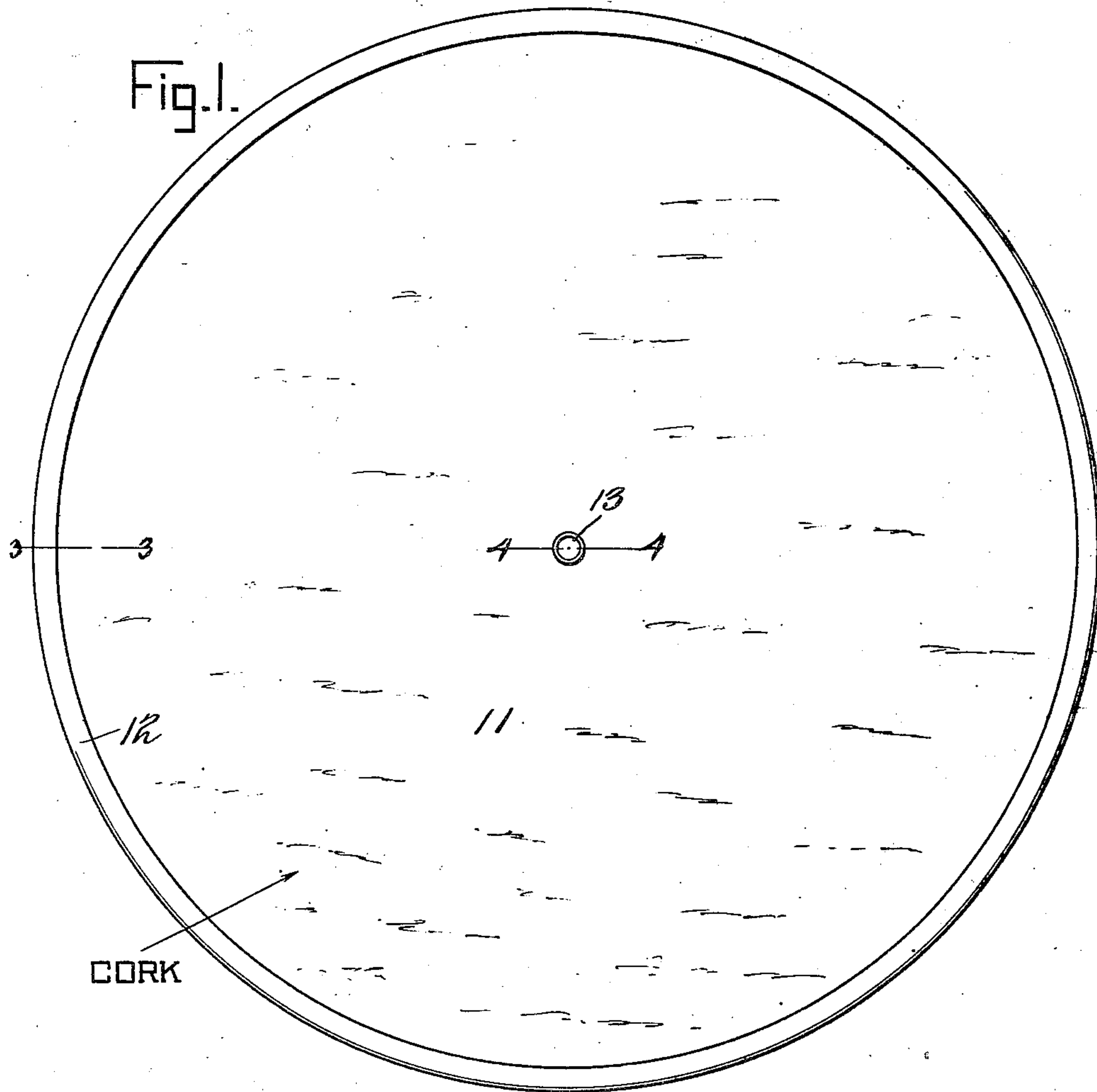
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W. K. KAUFFMAN

RECORD HOLDER FOR TALKING MACHINES

Filed Dec. 10, 1926

2 Sheets-Sheet 1



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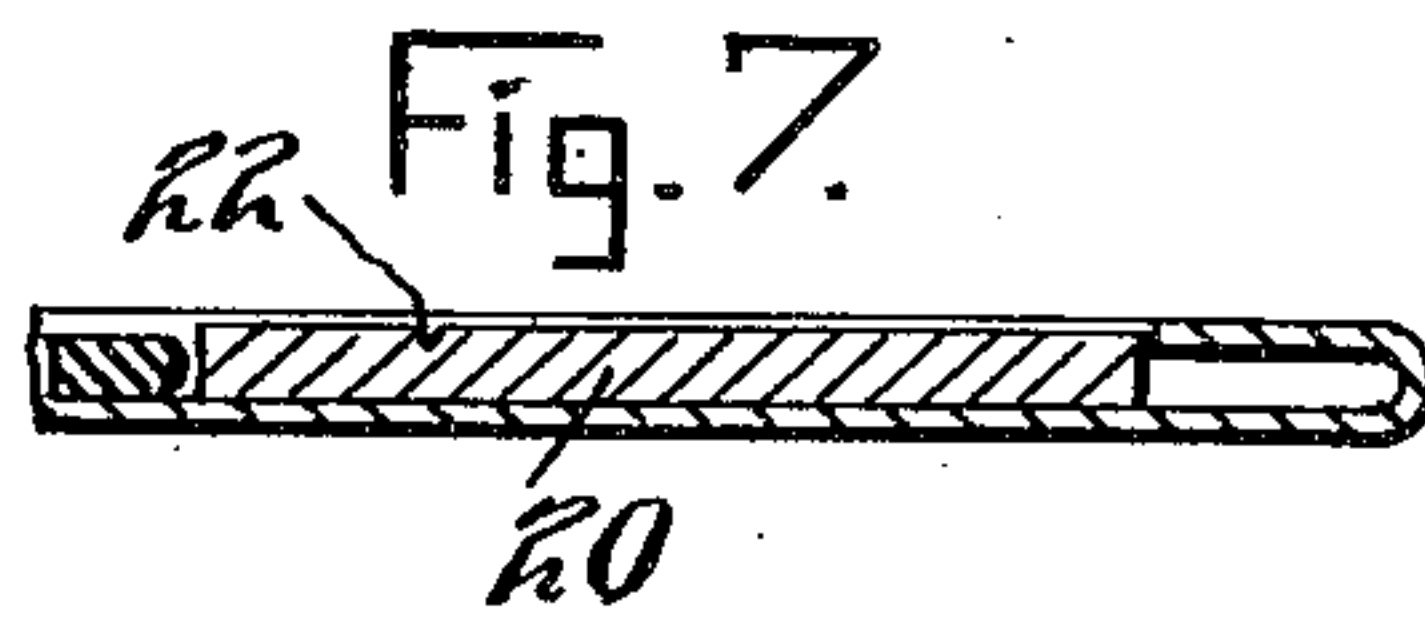
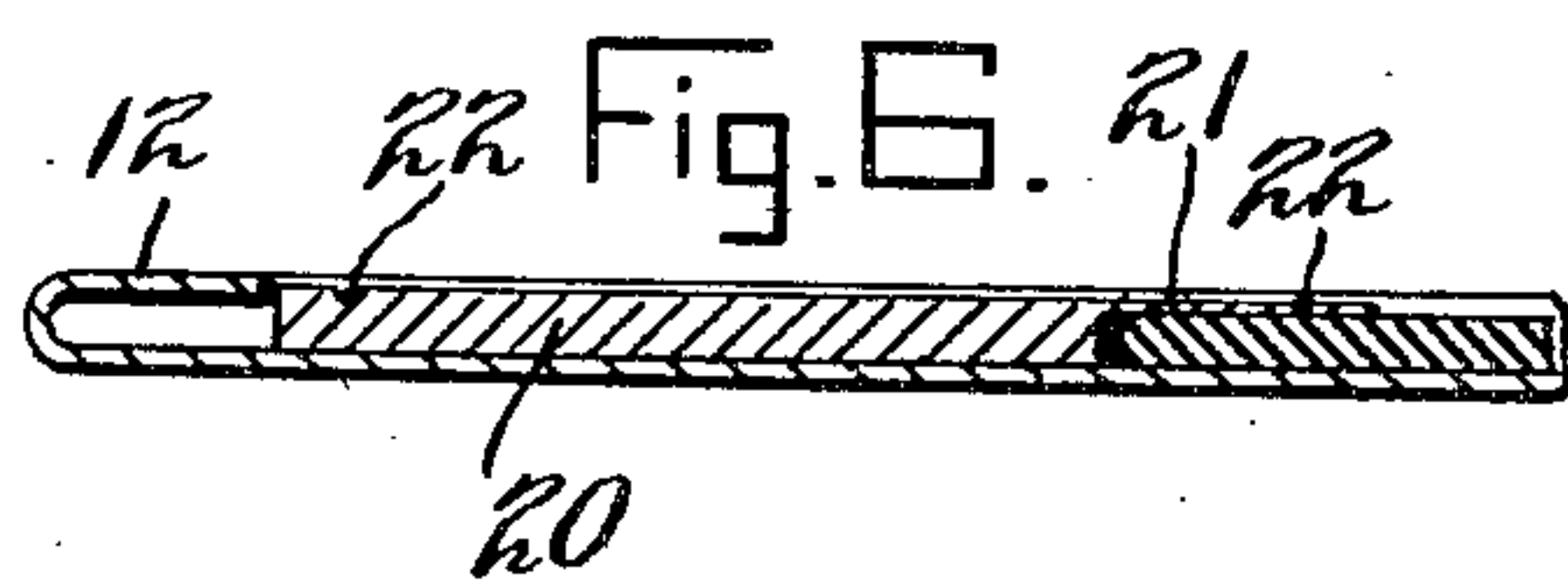
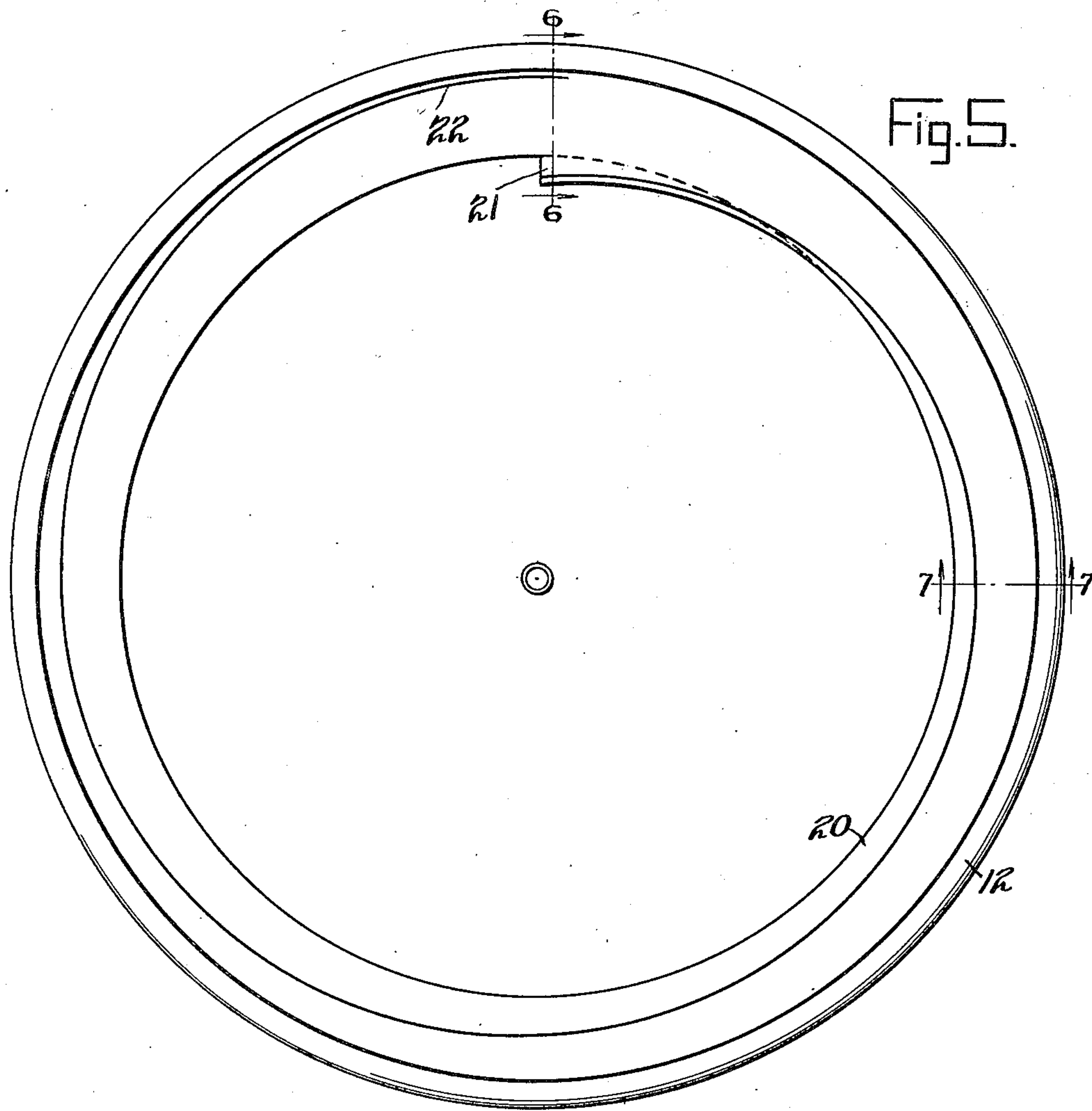
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RECORD HOLDER FOR TALKING MACHINES

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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE.

WILBUR KELSO KAUFFMAN, OF WAYNESBORO, PENNSYLVANIA, ASSIGNOR TO DECA-DISC PHONOGRAPH COMPANY, OF WAYNESBORO, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

RECORD HOLDER FOR TALKING MACHINES.

Application filed December 10, 1926. Serial No. 153,989.

My said invention relates to record holders or trays for talking machines, the object being to provide such a holder which will be adapted to support records of different diameters and hold them central on the tray regardless of their diameters; also one that will maintain said records in a flat condition, preventing warping; and one wherein the surfaces of the records will be protected in use, all as will be hereinafter more fully described and claimed.

Referring to the accompanying drawings which are made a part hereof and on which similar reference characters indicate similar parts,

Figure 1 is a plan view of the record holder of my improved construction,

Figure 2, a cross section through the same,

Figure 3, a detail cross section on the dotted line 3—3 in Figure 1 on an enlarged scale,

Figure 4, a similar view on dotted line 4—4 of Figure 1,

Figure 5, a view showing a modified form of the tray, and

Figures 6 and 7, sections through the same on line 6—6 and 7—7, respectively.

In said drawings the portions marked 10 represent the base or main part of said record holder or tray and 11 a lining therefor of softer material upon which the record holder may rest.

The base 10 comprises a circular metal plate with its edge 12 turned upwardly slightly inclined or curved at the edge to permit the ready insertion of the selecting fingers, and inwardly, as shown most clearly in Figures 2 and 3. The inturned edge is comparatively narrow but sufficient, not only to lend stiffness to the plate, but on its top to afford a bearing surface for another plate superimposed thereon and sufficient to provide frictional carrying contacts and also to form an edge of a thickness thicker than the thickness of the disk, so that the upper face of a disk lying within said edge will not contact with the under face of a superimposed plate. A centering boss or collar 13 is mounted in the center of said disk, its upper end being flush with the upper surface of the inturned edge 12 and of an exterior diameter to correspond substantially with

the interior diameter of the usual central aperture in the records.

My said record holder or tray is especially designed for use with machines adapted to play a stack of records, where said records are superposed one upon the other in such a stack; but as will be readily understood is adapted for use for holding any record in any type of machine.

The lining 11 which covers the upper face or inner surface of the base or tray is preferably of cork, paper pulp, or some such softer material, having a slightly roughened or frictional surface to which the flat under-surface of the record will adhere by friction, thus insuring that the record will turn with the holder or tray in the operation of the machine. Such lining for the plate or tray not only provides the necessary frictional contact with the record to insure rotation but also in a degree softens and relieves the tone of any metallic sound that might be caused by placing the record directly upon the metal surface. This difference in material between the tray and record will result in added friction when playing under a needle and all tendency of record slip will be eliminated. This frictional contact is further enhanced by the fact that the tendency of the record to warp is obviated and a flat plane surface maintained. The frictional contact between the trays is sufficient so that they will turn as a stack.

The construction shown in Figures 5 and 6 is designed to adapt a tray normally constructed for twelve inch records to receive and play ten inch records with a twelve inch setting of the needle and tone-arm. This is accomplished by inserting a ring 20 within the tray and within the inturned edge 12, the top face of said ring being slightly below the plane of the top face of said edge 12. Said ring 20 is formed with a lip 21 at one point which slightly overhangs the surface of a record placed within said ring. A groove 22 is formed in said ring 20 beginning at the starting position of the first groove of a twelve inch record, said groove passing in by one turn a spiral direction around the circumference of the ring so that its inner end will pass over lip 21 and drop onto the surface of the record beneath, di-

rectly on the starting position of a ten inch record. It will be understood, of course, that said ring 20 may be made integral with the tray, or, if preferred, it may be separate therefrom and inserted as shown. By this means the tray may be used for playing either ten or twelve inch records. By such a scheme with rings of different width the same tray may be adapted to play records of any diameter.

It will be obvious to those skilled in the art that various changes may be made in my device without departing from the spirit of the invention, and I, therefore, do not limit myself to what is shown in the drawings and described in the specification, but only as set forth in the appended claims.

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

1. A record holder for talking machines comprising a tray with an inturned edge, the top surface of which is in a plane slightly above the plane of a record disk placed thereon, and a ring inserted within said edge to reduce the holding diameter of the tray, said ring being formed with a groove extending in a spiral direction across the width of said ring, substantially as set forth.

2. A record holder for talking machines comprising a tray formed of a disk within an inturned edge, the top surface of which is in a plane slightly above the top surface of an inserted record, a ring within said inturned edge to reduce the holding diameter of the tray, said ring being formed with a lip projecting over its inner edge, and with a groove extending in a spiral direction across said ring beginning at the initial playing position of a larger record and passing across said lip, substantially as set forth.

3. A record holder for talking machines comprising a support having a rim of greater thickness than the thickness of a record to be supported and means removably mounted within said rim to reduce the holding diameter of the support, substantially as set forth.

4. A device for supporting a centrally perforated disk record upon a talking machine

comprising a substantially flat body provided with a rim of greater thickness than the thickness of the record to be supported, a frictional lining upon the upper surface of said body, a centering device for engaging the perforation in the center of the record, and means disposed within the confine of said rim for reducing the record holding portion of the body for accommodating a record of a smaller size, substantially as set forth.

5. A device for supporting a centrally perforated disk record upon a talking machine comprising a substantially flat body provided with a rim of greater thickness than the thickness of the record to be supported, a frictional lining upon the upper surface of said body, a centering device for engaging the perforation in the center of the record, and means disposed within the confine of said rim for reducing the record holding portion of the body for accommodating a record of a smaller size, said means having a lip disposed in a position to permit a reproducing needle to slide therefrom onto the surface of the record, substantially as set forth.

6. A device for supporting a centrally perforated disk record upon a talking machine comprising a substantially flat body provided with a rim of greater thickness than the thickness of the record to be supported, a frictional lining upon the upper surface of said body, a centering device for engaging the perforation in the center of the record, and means disposed within the confine of said rim for reducing the record holding portion of the body for accommodating a record of a smaller size, said means having a lip disposed in a position to permit a reproducing needle to slide therefrom onto the surface of the record, said inserted means being provided with a spiral groove extending from its outer edge to said lip, substantially as set forth.

In witness whereof I have hereunto set my hand at Waynesboro, Pennsylvania, this 22d day of November, A. D. nineteen hundred and twenty-six.

WILBUR KELSO KAUFFMAN.