Aug. 1, 1944. M. MITNICK 2,354,872

RECORD RACK

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FIG. 1.

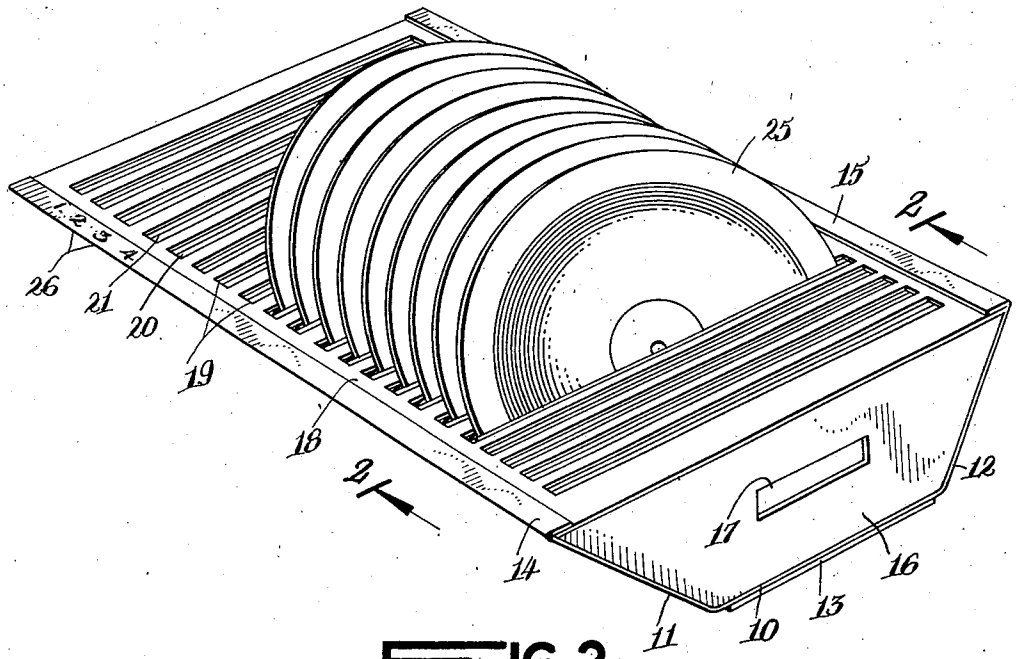
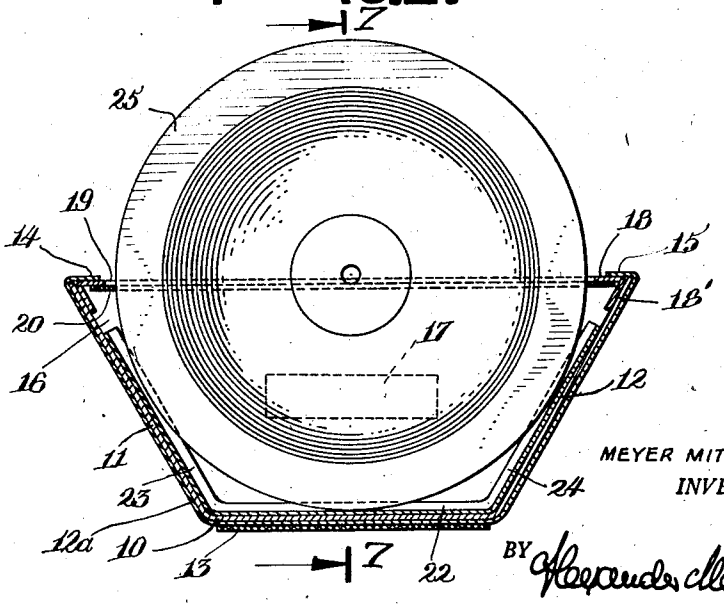


FIG. 2.



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FIG. 3.

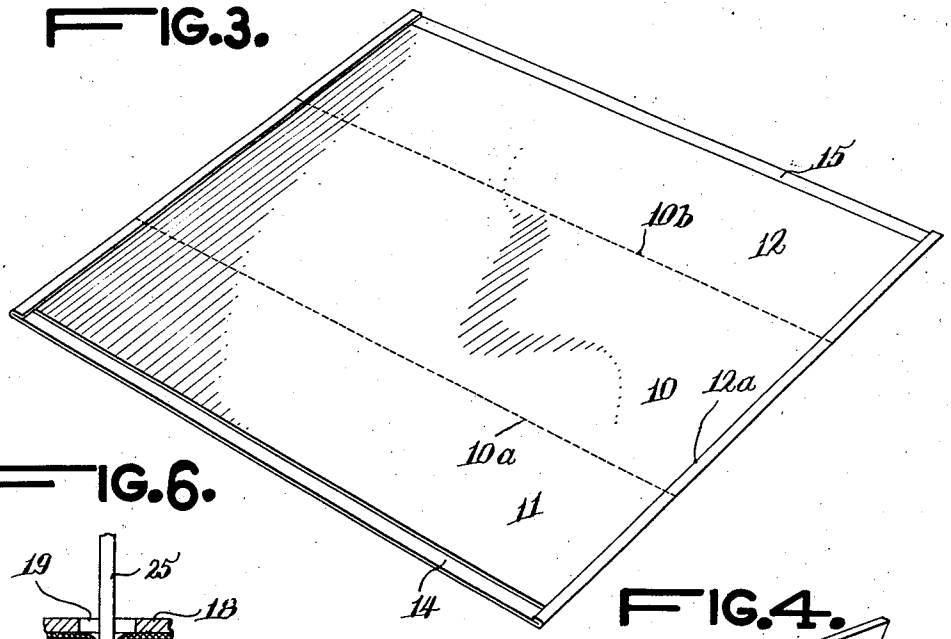


FIG. 6.

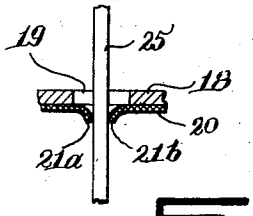


FIG. 4.

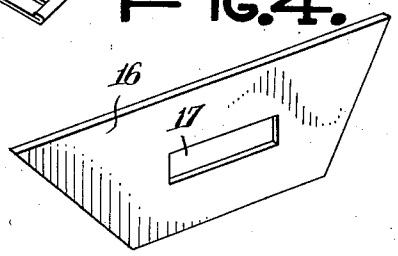


FIG. 7.

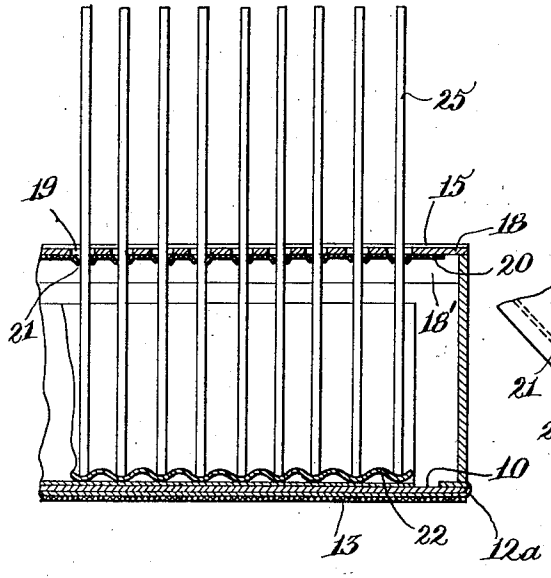
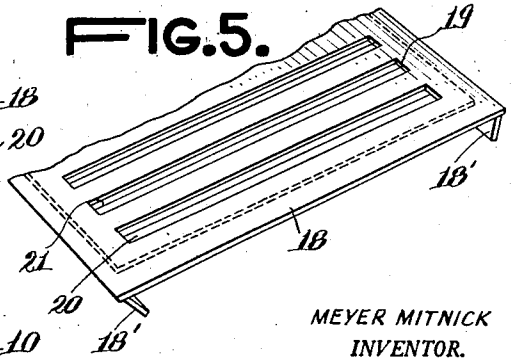


FIG. 5.



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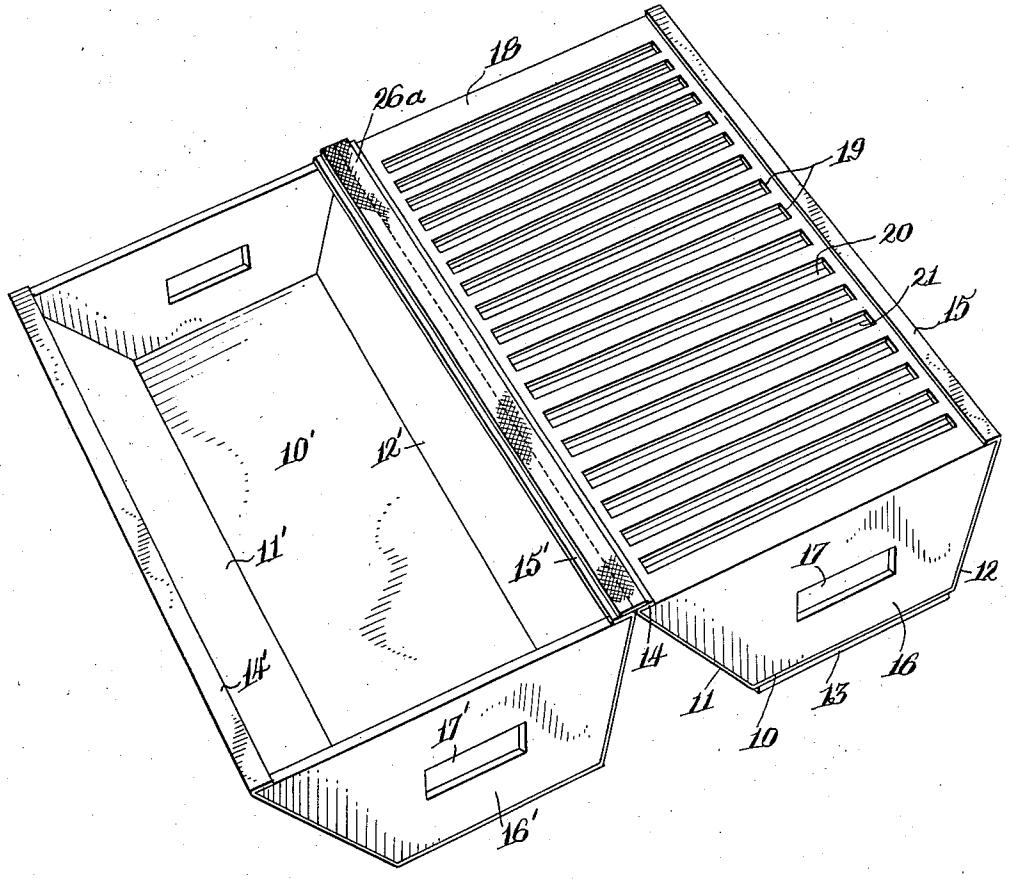
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FIG. 8.



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Patented Aug. 1, 1944 2,354,872

UNITED STATES PATENT OFFICE

2,354,872

RECORD RACK

Meyer Mitnick, New York, N. Y.

Application August 26, 1942, Serial No. 456,131

9 Claims. (Cl. 211—40)

This invention relates generally to racks for filing phonograph record discs, but more particularly to a rack adapted to secure a large number of discs within a limited space and which is not injurious to the discs when inserted and removed.

The main object of the invention resides in the provision of a rack in the form of a chamber which is readily transportable and which has provision for securing each disc rigidly in parallel and spaced relationship with respect to each other.

A further object of the invention is to provide a rack of the above type having means for the self-cleaning of each record or disc during insertion or removal from the rack.

Another object of the invention resides in a rack which is simple in construction, economical to manufacture, easy to use, durable and efficient in operation.

These objects and other incidental ends and advantages of the invention will hereinafter appear in the progress of the disclosure and as pointed out in the appended claims.

Accompanying this specification are drawings showing a preferred form of the invention wherein corresponding reference characters designate corresponding parts throughout the several views, and wherein:

Figure 1 is a front perspective view of a rack showing record discs engageable therein.

Figure 2 is a transverse sectional view of Figure 1 along the plane 2—2 thereof.

Figure 3 is a perspective view of a blank used in the formation of the bottom and side walls of the rack chamber.

Figure 4 is a perspective view of one of the end walls of the rack chamber.

Figure 5 is a fragmentary view in perspective of the top wall of the rack chamber.

Figure 6 is a sectional view across one of the slots in the top wall of the rack chamber showing the frictional engagement between a record disc and the edges of a slitted lining member for the slot.

Figure 7 is a sectional view of Figure 2 along the plane 7—7 thereof.

Figure 8 is a front view in perspective of a rack showing a counterpart without a top wall secured thereto to serve as a cover.

In accordance with the invention and in accordance with the preferred form shown in the drawings, the rack is essentially comprised of a chamber having a bottom wall 10, outwardly inclined side walls 11 and 12 and a flat top wall 18. The bottom and side walls may be constructed of a blank as shown in Figure 3 having fold lines 10*a* and 10*b* for the formation of the bottom wall 10 and the side walls 11 and 12, the said blank being made of any suitable material such as cardboard or composition and being preferably provided with a layer or lining of decorative or wood-grained paper 12*a*, the said lining 12*a* having its longitudinal edges inwardly turned as indicated by reference numerals 14 and 15. A soft lining such as felt may be secured to the underside of bottom wall 10 to avoid the scratching of furniture surfaces when the rack is supported thereon.

End walls 16 having outwardly tapered side walls corresponding to walls 11 and 12 are adapted to be secured adjacent the ends of side walls 11, 12 and bottom wall 10 of the rack chamber in any suitable manner such as by an adhesive, each of the said end walls 16 being provided with a centrally disposed slot 17 whereby the rack may be grasped for transporting purposes.

In order to provide a completely sealed rack chamber and spacing and engaging means for the record discs, the flat top wall is provided with a plurality of spaced transverse and parallel slots 19, each of said slots being provided with a lining member of a soft material such as felt 20. As shown, the felt 20 is secured to the underside of top wall 18 and is provided with a plurality of slits 21 each lying along the axis of each slot 19 to permit the insertion and withdrawal of a record disc 25 in and from the rack chamber. The slit edges 21*a* and 21*b* frictionally and slidably engage the record disc 25 when inserted into the record rack for filing purposes and when removed thereby serving to wipe off any dust that may have accumulated on the record disc. Moreover, the felt lining 20 prevents dust from entering the record rack by virtue of the fact that the slit edges 21*a* and 21*b* normally engage each other. When a record disc 25 is inserted through a slot 19, the edges 21*a* and 21*b* are separated adjacent the opposite sides of the record and cling thereto thereby preventing the entry of dust into the chamber.

The top wall 18 is provided with downwardly turned and inclined longitudinal edges 18′ which are adapted to be secured to the upper portions of side walls 11 and 12 in any suitable manner such as by the use of an adhesive, while the inwardly turned edges 14 and 15 of the lining 12*a* are adapted to be secured over the top wall 18 adjacent the longitudinal edges, the said edges of the top wall 18 being adapted to overlie and be secured to the end walls 16.

The depth between top wall 18 and bottom

wall 10 of the rack chamber as shown in Figure 2 is substantially half the diameter of a record disc 25 so that when the rack is used for filing purposes the record discs are half concealed within the rack chamber. To avoid the shifting of the record discs 25 while in the rack, spacing means may be provided along the vertical plane of each slot 19 on the inner surface of the side and/or bottom walls 11, 12 and 10 of the rack chamber. In the embodiment of the invention shown however, corrugated paper is secured to the inner surfaces of the bottom and side walls 10, 11 and 12 of the rack chamber in any manner such as by an adhesive, the corrugated paper lying on the bottom wall 10 being indicated by numeral 22 and the corrugated paper lying along side walls 11 and 12 being indicated by numerals 23 and 24. In this way the record disc 25 when inserted within the rack chamber is prevented from shifting and is rigidly supported at three points tangential to the record perimeter of the record disc 25 within the rack chamber, to wit, on the bottom wall of corrugated sheet 22 and on the side walls 23 and 24 thereof.

Any one of the record discs 25 may be completely cleaned by rotation when in filed position within the rack. Changes in the distance between top wall 18 and bottom wall 10 of the rack chamber may be resorted to without sacrificing efficiency in operation so long as the center of gravity of each record disc is not too far removed from top wall 18. The inwardly turned edge 14 may be used for numbering each slot on top wall 18 for identifying records, the numerals shown being indicated by reference character 26.

It is sometimes desirable to enclose the top of the rack containing filed record discs to prevent the accumulation of dust on the projecting portions. For this purpose a rack cover may be used similar in construction to the rack chamber aforedescribed except for the omission of a top wall 18 and a corrugated lining for the bottom and side walls. Thus, as shown in Figure 8, the cover consists of a bottom and side walls 10', 11' and 12', the side walls having inwardly turned edges 14' and 15', and end walls 16' each having openings 17'. The edges 15' of the cover and the edge 14 of the rack chamber are suitably hinged together as by a fabric strip 26a.

The rack above described is especially characterized by cleaning and dust proof features. Moreover the record discs 25 when filed in the rack are at no time in contact with each other and at no time engage parts which are apt to scratch the records.

I wish it understood that minor changes and variations in the material, integration, location and position of parts of the construction may all be resorted to without departing from the spirit of the invention and the scope of the appended claims.

I claim:

1. A record rack comprising a chamber including a bottom, side and top walls, the top wall having a plurality of parallel and spaced slots, a soft lining member on the bottom of the top wall extending across the slots and having slits along the axes of the slots whereby the slit edges of the lining member for each slot frictionally and slidably engages opposite sides of a record disc when the disc is passed therethrough into the chamber, the bottom and side walls of the chamber engaging each record at points tangential to the perimetric edge of the record.

2. A record rack comprising a chamber including a bottom, side and top walls, the top wall having a plurality of parallel and spaced slots, a soft lining member on the bottom of the top wall extending across the slots and having slits along the axes of the slots whereby the slit edges of the lining member for each slot frictionally and slidably engages opposite sides of a record disc when the disc is passed therethrough into the chamber, the bottom and side walls of the chamber supporting each record at points tangential to the perimetric edge of the record, and means within the chamber to prevent the filed records from shifting, said means engaging on one side the bottom and side walls of the chamber and on the other side contacting each record on said tangential points.

3. A record rack as set forth in claim 1 provided with a cover member hinged to the top wall of the chamber.

4. A record rack as set forth in claim 2 provided with a cover member hinged to the top wall of the chamber.

5. A record rack comprising a base, outwardly inclined side walls extending from said base, end pieces for said base, and side walls, a top wall provided with a plurality of parallel and spaced slots, a resilient fabric member secured to the underside of said top wall and being slitted along the axis of each slot to frictionally and slidably engage a record disc when inserted into the slot, the record disc being engageable with the base and side walls at points tangential to the perimeter of the record.

6. A record rack as set forth in claim 5 wherein means are provided within the chamber to prevent the filed records from shifting laterally.

7. A record rack comprising a chamber including a bottom wall, outwardly tapering side walls and a flat top wall, the top wall having a plurality of parallel and spaced slots, a felt member covering each slot and having a slit therein along the slot axis whereby the edges of each slit frictionally and slidably engage opposite sides of a record disc when inserted into the slot, the record disc being engageable with the base and side walls at points tangential to the perimeter of the record.

8. In a record rack, a chamber and a flat top wall therefor, the said wall having a plurality of parallel and spaced slots, a resilient fabric member lining the bottom of said wall and being provided with a slit along the axis of each of said slots to frictionally and slidably engage the opposite sides of a record when filed in the chamber through any slot.

9. In a record rack as set forth in claim 8 wherein means aligned with each of the slots are provided within the chamber to prevent the filed records from shifting laterally.

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