J. M. ALTER.

DISK RECORD HOLDER.

APPLICATION FILED JUNE 1, 1914.

1,121,446.

Patented Dec. 15, 1914.

2 SHEETS—SHEET 1.

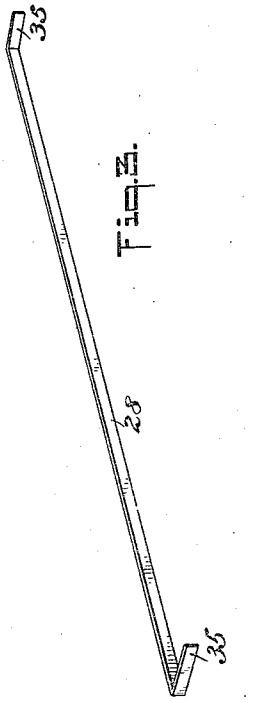


Fig. 3.

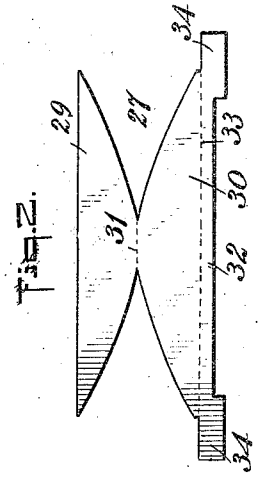


Fig. 2.

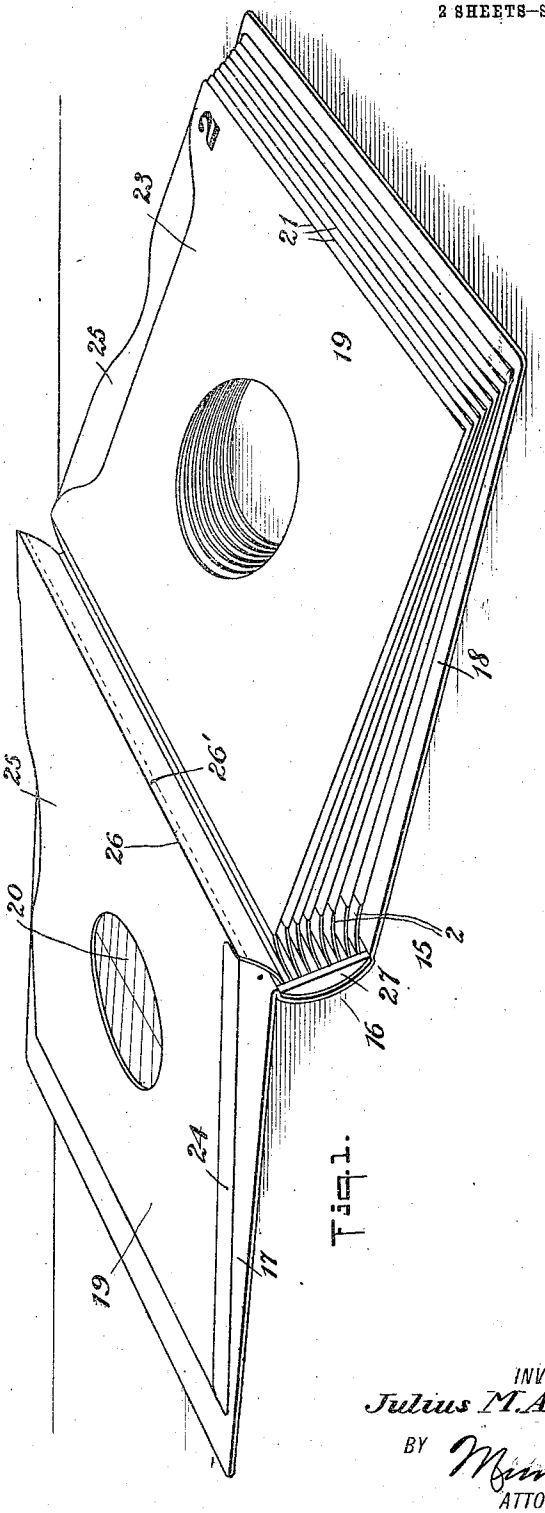


Fig. 1.

WITNESSES

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2 SHEETS—SHEET 2.

Fig. 4.

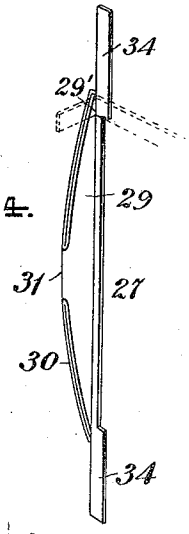


Fig. 5.

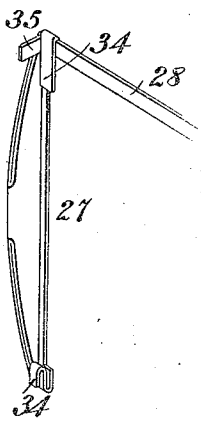


Fig. 6.

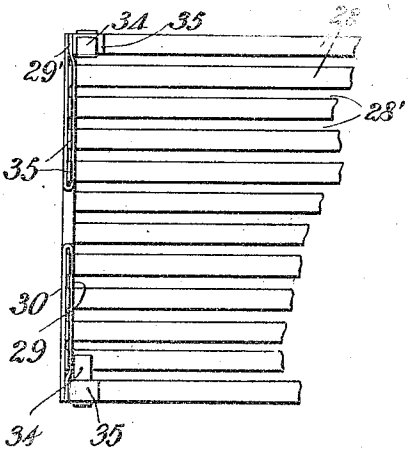


Fig. 7.

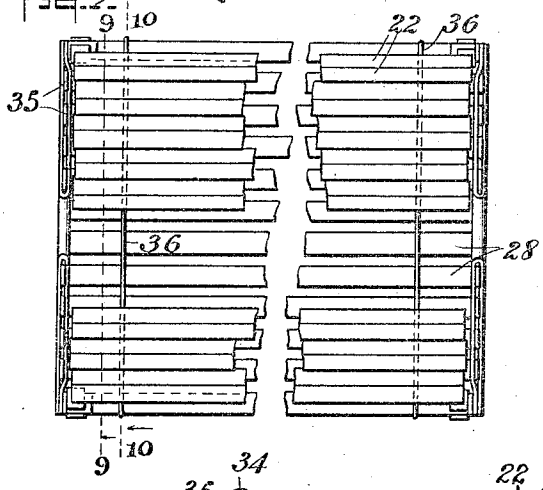


Fig. 8.

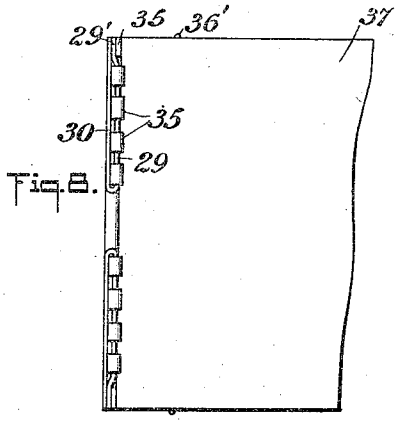


Fig. 9.

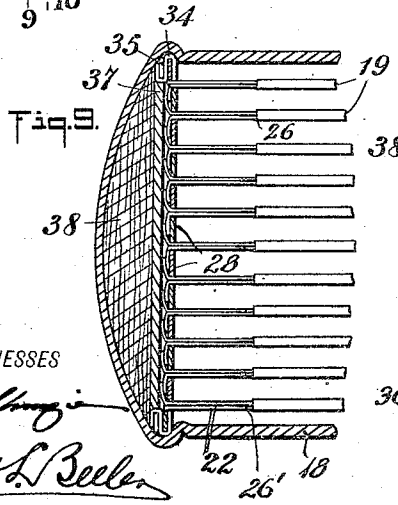
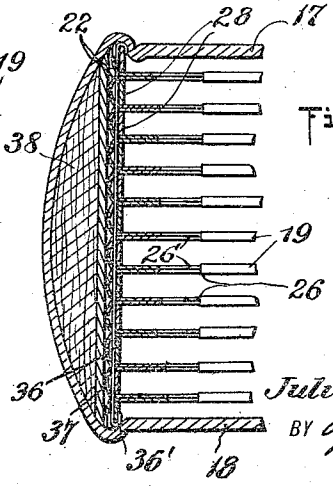


Fig. 10.



WITNESSES

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JULIUS M. ALTER, OF NEW YORK, N. Y.

DISK-RECORD HOLDER.

Specification of Letters Patent. Patented Dec. 15, 1914.

1,121,446.

Application filed June 1, 1914. Serial No. 842,031.

To all whom it may concern:

Be it known that I, JULIUS M. ALTER, a subject of the Czar of Russia, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Disk-Record Holder, of which the following is a full, clear, and exact description.

This invention relates to means for holding in a safe and convenient manner disk records for talking machines or the like.

Among the objects of the invention is to produce an album-like structure having a series of pockets or envelops for retaining individual records, the envelops being made in a peculiar, simple and strong manner, and all held securely in the album book whereby the danger of tearing of the envelops or their slipping from the album will be prevented.

The foregoing and other objects of the invention will hereinafter be more fully described and claimed and illustrated in the drawings forming a part of this specification in which like characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a perspective view of a record holder made in accordance with this invention, the view showing the holder lying open and empty; Fig. 2 is a plan view of one of the anchor members before it is folded; Fig. 3 is a perspective view of one of the tie strips; Figs. 4 and 5 are perspective views showing progressive steps in the assembling of the anchor members and tie strips; Fig. 6 is a plan view of one end of the binding strips showing the relation between one of the anchor members and the tie strips when the operation of securing the parts together is almost finished; Fig. 7 is a view indicating the same parts as Fig. 6 but with most of the envelops and tie rods in position; Fig. 8 is a view of one end of the binding device after the fastening of the parts is finished; and Figs. 9 and 10 are transverse sectional details on the lines 9—9 and 10—10 respectively of Fig. 7, these views also indicating the binding complete.

The several parts of the device may be made of any suitable materials, and the relative sizes and proportions, as well as the general design of the mechanism, may be varied to a considerable extent without departing from the spirit of the invention hereinafter more fully described and specifically claimed.

Referring more particularly to the drawings, I show at 15 a disk record holder in the form of an album or a book, the same comprising a back 16, front and rear covers 17 and 18 and a series of envelops 19 secured permanently to the back. Each of the envelops is numbered, and at 20 is shown an index arranged preferably upon the inner face of the front cover 17 and upon this index may be entered the names of the selections and their composers together with the corresponding members.

Each envelop is made in a peculiar manner of any suitable, tough, flexible material and from a single piece. Each strip forming an envelop is folded in its middle along the line 21 which constitutes the free edge of the envelop when in the finished holder. The ends 22 of each envelop are free or disconnected near their rear edges, and constitute the hinge portion thereof. The front wall 23 of the envelop is preferably slightly shorter or cut away at the top to facilitate the introduction of the record and said front portion is provided with a flap 24 which folds rearwardly and upwardly against the rear wall 25 where it is securely cemented. The envelops may be bent or broken along the line 26 to facilitate the opening of the holder and the free movement of the several envelops.

The binding or locking means for the envelops is constructed preferably as follows: At each end of the back is provided an anchor member 27 and a series of tie strips 28 extend between them, the ends of the tie strips being interlocked in a peculiar manner with the several anchor members. Each anchor member is preferably made of flexible sheet metal cut as shown in Fig. 2 and comprising a pair of side plates 29 and 30 of segmental form but connected along a short line 31. The side member 30 constitutes an extension of a base flange 32 adapted to be bent along the line 33 at right angles thereto, as shown in Fig. 4. When the side plate 29 is bent over from or toward the plate 30, it substantially coincides with it. The base flange 32, however, is longer than the side plates, having cleats 34 at the ends. Any suitable number of the tie strips may be employed, depending upon the size of the holder or the thickness of the records. These strips may be made of any

suitable material, such as sheet metal or wire, and are each of a length to reach from one anchor member to the other with flexible ends 35. The tie strips are all cut or made of uniform length, with the ends bent at right angles as shown in Fig. 3. Fig. 6 shows the manner of introducing the ends 35 between the two side plates 29 and 30 of the two anchor members, all of the strips except the first and last having their ends located between said side plates. The first and last tie strips are so arranged as to bring the ends 35 thereof snugly against the inner sides of the points 29′ of the plates 29 and whereby said points are bent outwardly, as shown in Fig. 6. Referring now particularly to Figs. 4 and 5, the manner of fastening the several parts will be understood as follows:—Each cleat 34 is bent over and inwardly snugly against the inner angle between the strip 28 and its end 35. Then said end 35 is bent down upon the outer surface of the cleat 34 and parallel to the main strip 28, and finally the extreme end of the cleat 34 is bent outwardly upon the outer surface of the end 35, making a positive interlock between these two parts and preventing any possibility of the intermediate members slipping laterally out of place.

When the fastening operation has been completed up to the point just described, the strips 28 being spaced, as shown at 28′, the envelops are inserted in said spaces 28′, the free edges 22 thereof passing together through said spaces or between adjacent pairs of strips. The extreme edges of the envelops which pass beyond the strips are then bent down squarely against the rear faces of said strips, as shown in Figs. 7, 9 and 10. Any suitable number of tie rods or wires 36 are then passed through the edges 22 of the envelops just in the rear of the strips 28, the tie rods or wires extending transversely of all of the tie strips and having their ends 36′ bent or hooked over the edges of the first and last tie strips. These tie rods serve, therefore, not only to secure the envelops in position, but also prevent any spreading of the tie strips.

At 37 I show a backing plate of any suitable stiff material which is then fitted over the free edges 22 of the envelops and tie rods passing through the same. Said backing plate 37 extends snugly between the inner side plates 29 of the two anchor members, as shown in Fig. 8, and thereafter the ends 35 of all of the tie strips, except the first and last, are bent over and inwardly against the inner faces of the side plates 29 and outside of the outer face of the backing plate 37. The backing plate 37 is rigidly glued or otherwise secured to all of the folded edges 22 of the envelops, making a solid structure, and on the outside of said backing plate is cemented or otherwise secured any suitable filler 38. The filler 38 is made to conform to the shape of the anchor members and to provide a proper configuration for the back of the completed holder, as shown in Figs. 1, 9 and 10. The two parts of each envelop adjacent the crease 26 are glued together as shown at 26′, whereby a pocket is formed holding the record from movement laterally or toward the hinge. The edges, however, remain loose or free to insure maximum flexibility.

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

1. In a disk record holder, the combination of a series of envelops having open tops and closed bottoms and outer edges, each envelop having two parallel rear free edges, a series of tie strips extending along the rear edges of the envelops, the two rear edges of each envelop extending between adjacent pairs of tie strips and being bent against the rear faces thereof, transverse tie members passing through said free edges of the envelops in the rear of the tie strips, and means to interlock the tie strips and envelops into a solid back member.

2. In a disk record holder, the combination of a series of envelops having open tops and closed bottoms and outer edges, a series of tie strips extending parallel to the rear edges of the envelops, said rear edges passing between adjacent pairs of tie strips, a plurality of tie rods passing transversely through all of said rear edges of the envelops in the rear of the tie strips, a backing plate secured against the rear free edges of the envelops back of the tie strips, means to maintain the ends of the tie strips in definite spaced relation to one another, and filler means secured to the backing plate.

3. In a disk record holder, the combination of a series of record holding envelops, each envelop being formed of a single strip of material folded in its middle and having its parallel free edges extending rearwardly and forming a hinge, the bottom of the envelop being permanently closed by means of a flap extending from one face thereof to the other, a series of spaced parallel tie strips extending along the hinge portions of the envelops and between adjacent pairs of which the free edges of the envelops extend, anchor members at the ends of the tie strips to fix such ends at definite distances apart, respectively, and locking means cooperating with said tie strips and free edges of the envelops securing all of these parts in a rigid back portion.

4. In a disk record holder, the combination of a series of envelops having flexible hinge portions, a series of tie strips extending along said hinge portions and between adjacent pairs of which tie strips said hinge portions project with their extreme edges

bent against the rear faces of the tie strips, tie rods extending through the hinge portions of the envelops in the rear of the tie strips, a backing member secured permanently against the rear edges of the envelops back of the tie strips, anchor members cooperating with all of the tie strips maintaining them in proper position and lying snugly against the ends of the back member, and a filling device secured to the back of the backing member.

5. In a disk record holder, the combination of a series of envelops having flexible hinge members, a series of independent tie strips extending along said hinge members and between adjacent pairs of which tie strips said hinge members project, a pair of anchor members each interlocking with the ends of the tie strips, and backing means extending from one anchor member to the other and securing the rear edges of the envelops snugly in place in the rear of the tie strips.

6. In a disk record holder, the combination of a series of spaced tie strips each having ends bent at angles thereto, anchor members coöperating with the ends of said tie strips and having flexible parts interlocking with the end strips of the series, a series of envelops having hinge portions projecting between the adjacent pairs of tie strips, and means permanently securing the rear edges of the envelops in position.

7. In a disk record holder, the combination of a series of record holding envelops, each envelop comprising a single sheet of material folded in its middle and having its end edges lying adjacent each other, the envelop being seamless between the fold and said edges, and being provided with a crease parallel to the edges with a narrow strip of glue therealong to make a record pocket but leaving said edges free, and means coöperating with the free edges of all of the envelops to hold them in definite position.

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

JULIUS M. ALTER.

Witnesses:
GEO. L. BEELER,
PHILIP D. ROLLHAUS.