

E. & D. C. POOLER.
 PHONOGRAPH DISK RECORD CABINET.
 APPLICATION FILED APR. 28, 1910.

980,124.

Patented Dec. 27, 1910.

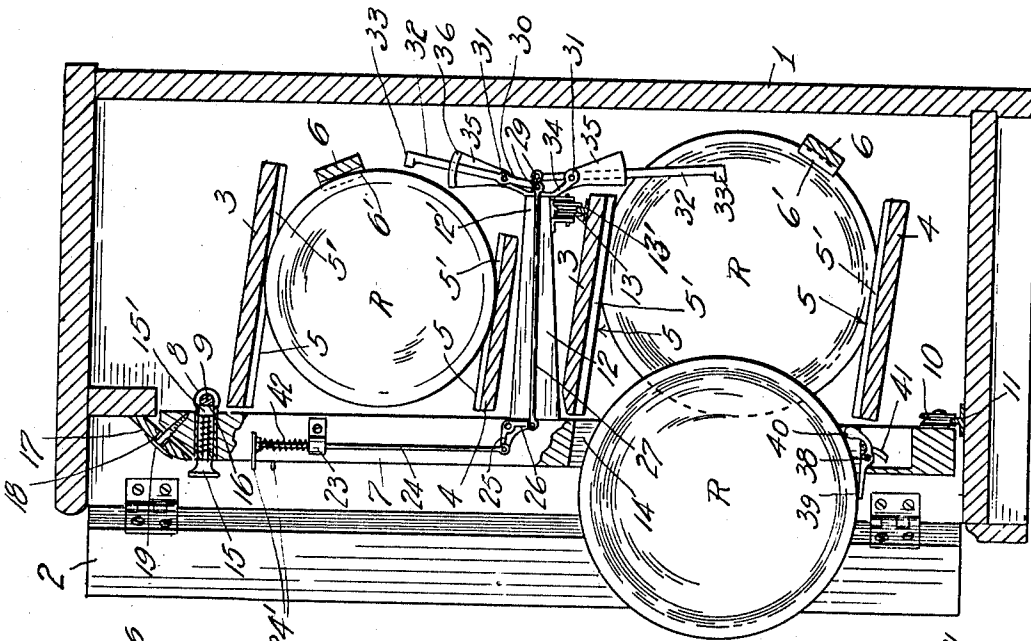


Fig. 2

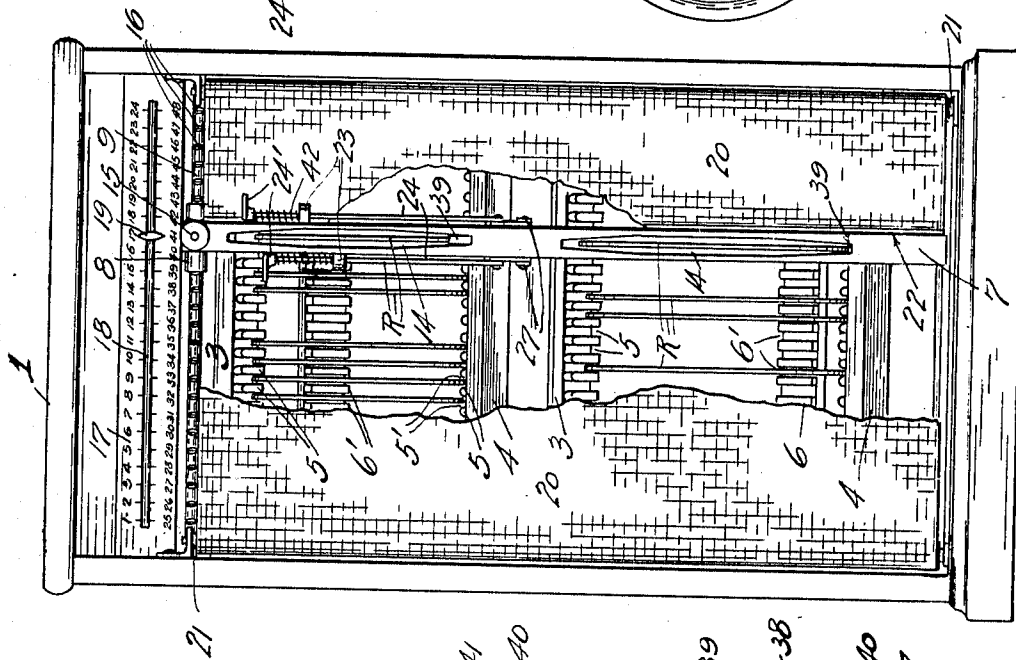


Fig. 1

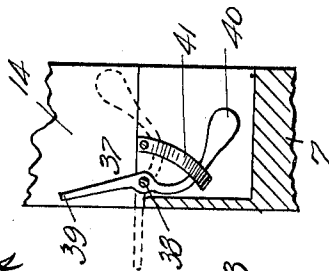


Fig. 3

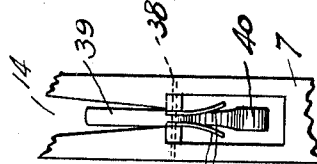


Fig. 4

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UNITED STATES PATENT OFFICE.

EARL POOLER AND DON C. POOLER, OF SEATTLE, WASHINGTON; SAID DON C. POOLER
ASSIGNOR, BY MESNE ASSIGNMENTS, OF ONE-HALF OF HIS RIGHT TO SAID EARL
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PHONOGRAPH-DISK-RECORD CABINET.

980,124.

Specification of Letters Patent.

Patented Dec. 27, 1910.

Application filed April 28, 1910. Serial No. 558,147.

To all whom it may concern:

Be it known that we, EARL POOLER and
DON C. POOLER, citizens of the United States,
residing at Seattle, in the county of King
and State of Washington, have invented
certain new and useful Improvements in
Phonograph-Disk-Record Cabinets, of which
the following is a specification.

This invention relates to improvements
in phonograph disk record cabinets.

An object of our improvements is to pro-
vide a cabinet in which disk records may
be conveniently and compactly stored in
edgewise position to preserve the record sur-
face from abrasion due to piling one upon
another.

Another object of the invention is to re-
tain the records in closed compartments pro-
vided with convenient and adjustable means
to protect the records from exposure to dust
and from unnecessary handling.

A still further object of the invention is
the provision of means whereby the records,
though disclosed from view, may be selec-
tively withdrawn from the cabinet and re-
placed with the greatest facility.

With these and other objects in view, the
invention consists in the novel construction,
combinations and arrangement of parts, as
will be hereinafter described with reference
to the accompanying drawings.

In the said drawings, Figure 1 is a front
elevational view of an embodiment of the
invention with portions broken away dis-
closing the interior of the cabinet. Fig. 2
is a vertical cross sectional view of the same.
Figs. 3 and 4 are side and front views, re-
spectively, of a detail of the construction.

Referring to the said drawings, the refer-
ence numeral 1 designates a cabinet which
is preferably of rectangular construction
and provided with a hinged door or doors
2. Within the cabinet are provided upper
and lower rearwardly inclined shelves 3 and
4 which are spaced an appropriate distance
apart to accommodate in upright position
record disks R of a predetermined size.
Positioned upon the under and upper sur-
faces of the respective shelves 3 and 4 are
a plurality of narrow parallel guide strips
5, with spaces 5' for the reception of the
edges of the disks therebetween. A buffer
6 is positioned to the rear of said shelves
and is provided with depressions 6' in par-

allel planes with the aforesaid guide spaces
5' to receive the said disks and retain their
rearward edges in proper alinement.

The above-described receptacles for record-
disks may advantageously be constructed in
duplicate in such cabinet in superposed order
to facilitate the adaptation therewith of the
improved means for selectively engaging
with and delivering the disks, which appa-
ratus is particularly the subject of this ap-
plication. Obviously, as many such pairs of
disk receptacles with their accompanying de-
vices for manipulating the disks may be em-
ployed in a cabinet as is desired or conven-
ient or a single receptacle may be so em-
ployed.

In the foregoing and in the following de-
scription of our invention we shall confine
it as much as practicable and for the sake of
clearness, to the devices pertaining to one
such receptacle.

7 is a traveler arranged for lateral move-
ment in a vertical position in proximity to
the front of the cabinet. To accomplish such
movement, the upper end of said traveler
may be provided with a sleeve 8 which is
slidably mounted on a horizontal rod 9, and
its lower end supported upon a grooved
wheel 10 running upon a track 11 arranged
transversely upon the bottom of the cabinet.
An arm 12 is extended rearwardly from said
traveler within a space afforded between
the aforesaid superposed receptacles, and its
extremity 12' is provided with a grooved
wheel 13 mounted upon a track 13' con-
veniently situated upon the lower receptacle.
Said traveler is slotted at 14 to permit of the
passage therethrough of the disks. To insure
that the said slots 14 shall register accurately
in front of the respective guide spaces 5'
the traveler is provided with a spring-
pressed bolt 15 having an end 15' adapted
to seat in the desired one of a plurality of
notches 16 in the rod 9. Said notches cor-
respond to the respective disk-spaces in both
upper and lower receptacles and said spaces
are further designated through an index
plate 17 having a transversely arranged ap-
erture 18 therein through which is protruded
the head of an indicator 19 connected to the
traveler. Numerals or other index char-
acters are positioned in spaced relation along
said plate in vertical alinement with said
notches and spaces and desirably above or

below said aperture to indicate spaces in the upper or lower receptacles respectively.

Curtains 20 of a close woven fabric are mounted upon vertical spring rollers 21 each in close proximity to the respective sides of the cabinet. The ends 22 of said curtains are detachably secured to the respective sides of the traveler and in the movement of the latter to and fro along the front of the cabinet the said curtains are extended or taken up on the respective roller according to the direction of said movement. The curtains mask the receptacles and their contained disks from view and protect them from dust and unnecessary handling.

Slidably mounted upon a side of the traveler through the guide 23 is a vertical pressure rod 24 whose lower extremity is pivotally connected to an arm 25 of a bell-crank whose other arm 26 is likewise connected to an end of a link 27 extended rearwardly along the arm 12 of the traveler. The rearward extremity of said link is connected to an end 29 of a lever 30 medially pivoted at 31 whose other arm 32 is provided with an enlarged end 33 adapted to engage the rear edge of a record disk when the latter is at rest in a receptacle.

The just described devices are advantageously made duplex as before explained, to provide facilities for the delivery of selected records in either an upper or a lower receptacle in the simplest manner. This can be accomplished most conveniently by positioning said devices upon either side of said traveler and connected arm 12 and are so illustrated in the views where like parts in each such device are indicated by corresponding reference characters.

A fitting 34 fixedly secured to the rear end of arm 12 is provided with branches 35 extending in vertical directions to furnish supports for the respective pivots 31 and guide-ways 36 to retain the said lever arms 32 in alinement with the plane of the guide-spaces 5' of the shelves 3 and 4.

37 is a rocker attachment (see Figs. 3 and 4) which is pivoted at 38 in a recess in close relation to each of the slots 14 of the traveler. Said locker has a finger 39 which is normally elevated through its overweighted opposite end 40 overbalancing said rocker and causing the finger to protrude upwardly into the slot and in the path of a disk when being ejected through said slot. The rocker finger is thereupon tilted outwardly and the weighted end 40 correspondingly elevated until the latter is engaged by the spring-jaws 41 which yieldingly retain it in such position whereupon it is evident to an observer that a record disk has been removed from the cabinet. Upon returning the disk to its receptacle the rocker end 40, in its elevated position as shown in dotted lines in Fig. 3, interferes with the passage of the former

through the slot and is forced out of engagement with the jaws 41 and resumes its normal position.

It is thought that the operation of the invention will be understood from the foregoing description; it is to be noted, however, that all the record-disks are normally disclosed from view and the desired disk is obtained through reference to the index characters upon the plate 17, each character of which designates a particular space formed between two contiguous guide-strips 5, each space being appropriated to the reception of a certain record-disk as ascertained by reference to a list or catalogue. By withdrawing the bolt end 15' from the notch 16 in which it was previously engaged, the traveler may be moved in either lateral direction until the indicator 19 is in line with the number sought. Thereupon the bolt is released and engages within a notch to center and retain the traveler in line with a space in each of the said receptacles. Downward pressure exerted upon the head 24' of a rod 24 in opposition to the compression spring 42 positioned between said head 24' and the guide 23 causes a forward kick in the lever-arm 32 whose extremity 33 is arranged to engage a disk R and impel the latter forwardly. The disk is emerged through the respective slot 14 where it is grasped by the operator. In passing through said slot it operates said rocker attachment, as aforesaid, to indicate a withdrawn disk. Upon the rod being released the said spring 42 asserts itself and returns the rod and connected mechanism to their normal position.

Having described our invention, what we claim, is—

1. In a disk-record cabinet, receptacles therein arranged to retain the disks in uniform edgewise positions, a traveler movable parallel to the plane of the rear edges of the disks, and means upon said traveler whereby said disks may be selectively engaged and ejected forwardly from said plane.

2. In a disk-record cabinet, a receptacle for disk-records provided with guide-strips for the reception of disk-records therebetween, a traveler movable transversely of said cabinet, and a curtain connected upon each side of said traveler and to the adjacent wall of the cabinet and respectively arranged to be rolled up or unrolled to accommodate the movements of said traveler.

3. In a disk-record cabinet, a receptacle for disk-records provided with guide-strips for the reception of disk-records in the spaces therebetween, a traveler movable transversely of the cabinet, means to retain the traveler in operative position with respect to one of said spaces, and means whereby said disk-records may be selectively engaged and ejected from said spaces.

4. In a disk-record cabinet, a receptacle

for disk-records provided with guide-strips for the reception of disk-records in the spaces therebetween, a traveler movable transversely of said cabinet, and means to retain said traveler in operative position with respect to one of said spaces.

5. In a disk-record cabinet, receptacles therein arranged to retain a plurality of disks in side-by-side edgewise positions, a traveler movable transversely to the planes of said disks, and a vertical slot in said traveler parallel to the planes of said disks, and adapted to permit the passage therethrough of said disks.

6. In a disk-record cabinet, receptacles therein arranged to retain a plurality of disks in side-by-side edgewise positions, a traveler transversely movable to the planes of said disks, a vertical slot in said traveler parallel to the planes of said disks, and adapted to permit of the passage therethrough of said disks, and devices interposed in the path of said disks in their egress through said slot to indicate the withdrawal of the respective disks.

7. In a disk-record cabinet, a receptacle for disk-records provided with guide-strips for the reception of disk-records in the spaces therebetween, a movable traveler provided with a slot therethrough arranged to have the latter predeterminately register with any of said spaces, and a curtain upon each side of said traveler disclosing said receptacle from view.

8. In a disk-record cabinet, a receptacle for disk-records provided with guide-strips for the reception of disk-records in the spaces therebetween, a movable traveler provided with a slot therethrough arranged to have the latter predeterminately register with any of said spaces, means to retain said traveler in register with one of said spaces, and a curtain upon each side of said traveler disclosing said receptacle from view.

9. In a disk-record cabinet, the combination with a receptacle provided with guide-strips having spaces therebetween for the

reception of disk-records in vertical positions, a traveler arranged for movement transversely to said spaces, a slot in said traveler adapted to permit the passage of a disk therethrough, an automatically adjustable curtain upon each side of said traveler arranged to accommodate themselves to the movements of the latter, and means to selectively engage and deliver the said disks through said slot.

10. In a disk-record cabinet, the combination with a receptacle provided with guide-strips having spaces therebetween for the reception of disk-records in vertical positions, a traveler arranged for movement transversely to said spaces, a slot in said traveler adapted to permit the passage of a disk therethrough, a rocker in said slot interposed in the path of a disk, an automatically adjustable curtain upon each side of said traveler arranged to accommodate themselves to the movements of the latter, and means provided upon said traveler to selectively engage and deliver the said disks through said slot.

11. In a disk-record cabinet, the combination with a receptacle provided with guide-strips having spaces therebetween for the reception of disk-records in vertical positions, a traveler arranged for movement transversely to said spaces, a slot in said traveler adapted to permit the passage of a disk therethrough, devices for securing said traveler in position to have its slot register with each of said spaces, an automatically adjustable curtain upon each side of said traveler arranged to accommodate themselves to the movements of the latter, and means provided upon said traveler to selectively engage and deliver the said disks through said slot.

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Witnesses:

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