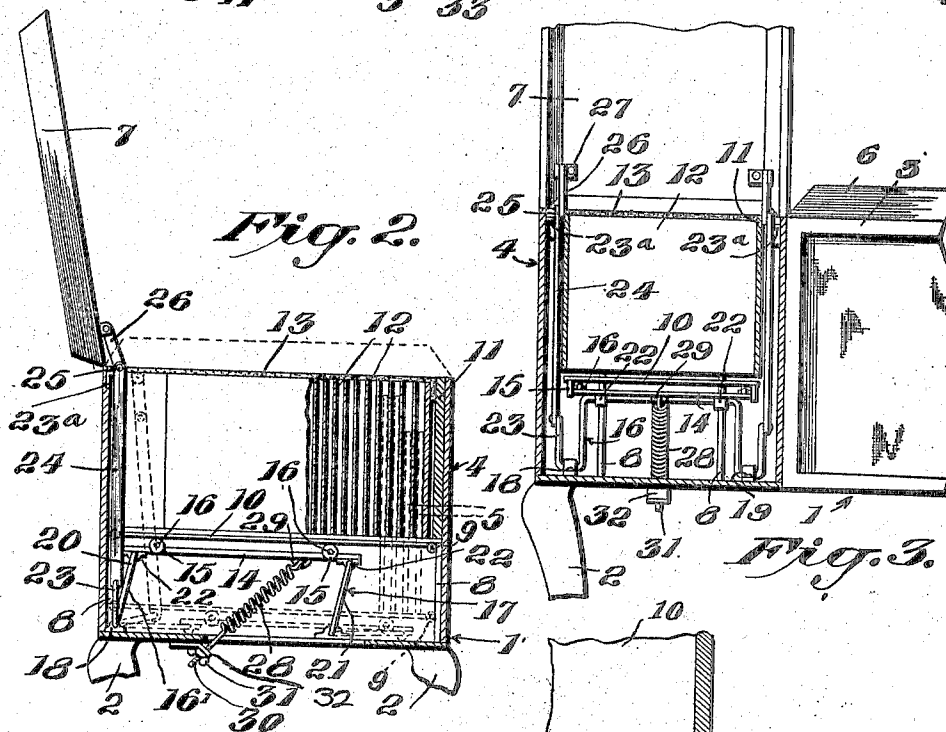
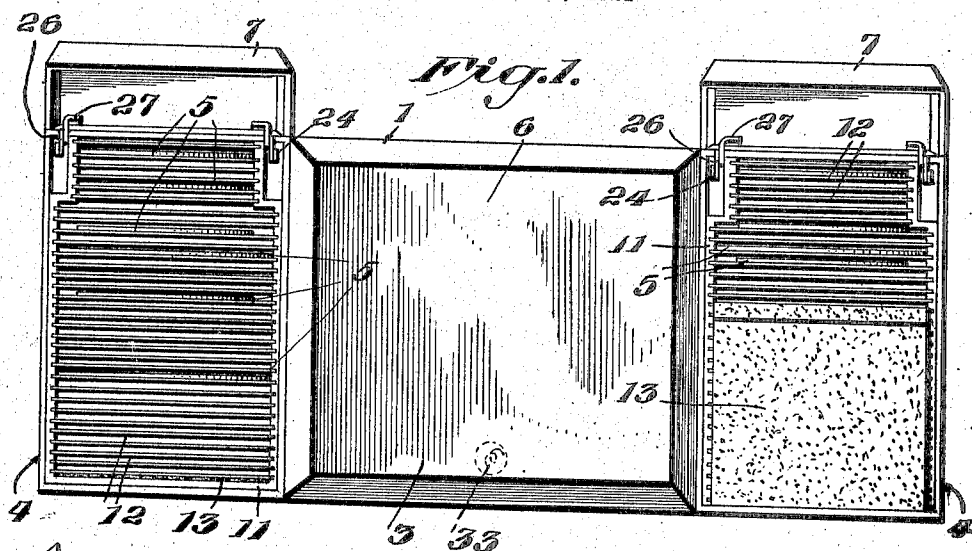


May 1, 1923.

E. W. WINSLOW
PHONOGRAPH CABINET
Filed April 6, 1921

1,453,329



Inventor

Edward W. Winslow

By

Attorney

Patented May 1, 1923.

1,453,329

UNITED STATES PATENT OFFICE.

EDWARD W. WINSLOW, OF BELLE PLAINE, IOWA.

PHONOGRAPH CABINET.

Application filed April 6, 1921. Serial No. 459,077.

To all whom it may concern:

Be it known that I, EDWARD W. WINSLOW, a citizen of the United States, residing at Belle Plaine, in the county of Benton and State of Iowa, have invented new and useful Improvements in Phonograph Cabinets, of which the following is a specification.

The invention relates to a phonograph cabinet.

10 The object of the present invention is to improve the construction of phonograph cabinets and to provide a simple, practical and comparatively inexpensive phonograph cabinet equipped with record compartments 15 having means operable by the opening and closing of hinged lids for raising and lowering a plurality of phonograph records for arranging them in position to permit their ready removal from the cabinet and also to 20 house them within the cabinet.

A further object of the invention is to provide a phonograph cabinet of this character in which the record receiving compartments will be provided with adjustable counter- 25 balancing means for enabling the opening and closing of the lids and the simultaneous raising and lowering of the contents to be performed without effort on the part of the operator.

30 Another object of the invention is to provide a phonograph cabinet having record holding compartments provided with means for wiping the records when the same are placed in and removed from the cabinet 35 whereby the records will be maintained in a clean condition.

40 With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims here- 45 to appended, it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the appended claims, may be resorted to without departing from the spirit of the invention or sacrificing any of the advantages thereof.

50 In the accompanying drawings, in which like numerals of reference designate corresponding parts in the several figures:—

Figure 1 is a plan view of a phonograph cabinet constructed in accordance with this invention.

55 Figure 2 is a vertical sectional view of the same.

Figure 3 is a similar view taken at right angles to Figure 2.

Figure 4 is a detail view illustrating the manner of guiding the platform or false 60 bottom.

Figure 5 is a detail perspective view of a portion of the lifting board or member.

In the accompanying drawings in which is illustrated the preferred embodiment of 65 the invention, the phonograph cabinet comprises a horizontal body 1, oblong in horizontal section and supported by legs 2 but the cabinet which may be ornamented and finished in any desired manner, may of 70 course be made in any other desired form. The body comprises a central compartment or portion 3 and side or end compartments 4. The central compartment or portion 3 is designed to receive the phonograph, or talk- 75 ing machine, and the side or end compartments constitute record receptacles for holding records 5 in convenient position to enable the same to be readily transferred from the compartments to the machine and vice 80 versa. The central and side compartments are provided with separate lids 6 and 7 hinged at the back as shown. Each of the side or record compartments is of the same construction and a description of the mech- 85 anism of one applies to the other.

The side record receiving compartment 4 is substantially rectangular in horizontal section and it is provided with spaced vertical guides 8 located at the opposite side walls 90 of the compartment and preferably consisting of strips or ribs projecting slightly from the surfaces of the walls of the compartments and receiving and fitting in grooved wheels 9 of a vertically movable false bottom 95 10 upon which the records are placed. The record receiving compartment is provided at the top with a rack 11 having spaced parallel slats 12 provided with a cover 13 of felt or other suitable fabric and adapted to 100 wipe both faces of each record 5 when the same is placed in, and removed from the compartment 4. The cabinet may be of any desired size and one or more of the record compartments may be provided for enabling 105 the cabinets to be constructed of the required capacity.

The false bottom, or vertically movable platform, is carried by a shiftable lifting board or member 14 located beneath the 110 platform or false bottom and provided at opposite sides with spaced rollers 15 mount-

ed on suitable pivots or axles 16 and constituting anti-friction devices to facilitate the relative horizontal movement of the lifting board or member when raising or lowering the platform or false bottom 10. The lifting board or member is raised and lowered by a pair of lifting levers preferably in the form of rock shafts 16' and 17 journaled in suitable bearings 18 and 19 secured to the bottom of the record receiving compartment. The rock shafts have parallel swinging supporting loops 21 and 20 which constitute connecting links or members and which fit in bearing recesses or grooves 22 in the lower face of the lifting board or member 14 and the rock shaft 16' is provided at its ends with terminal crank arms 23 which are pivotally connected with lower links 24. The lower links 24 extend upwardly from the crank arms 23 and are pivoted at 25 to upper links 26 and the latter extend upwardly from the lower links and are pivotally connected to ears or bearings 27 of the lid 7. The lid 7 is adapted to be swung upwardly and downwardly to raise and lower the upper and lower links and the raising and lowering of the links swing the crank arms 23 of the rock shaft 16' upwardly and downwardly and effect a corresponding movement of the swinging supporting loops. In the opening movement of the lid, the terminal crank arms 23 are carried upward nearly to a central vertical position, the upward movement being limited by L-shaped stop members 23^a secured to the rear wall of the cabinet and having horizontal projecting portions arranged to be engaged by the links adjacent their connected ends. This prevents the terminal crank arms from being carried to a central vertical position so that the vertically movable platform will descend when permitted to do so by the upward movement of the lid. The lid in the opening movement swings rearwardly beyond a vertical position and forms a lock for maintaining the vertically movable platform in an elevated position and the lid is thereby held in its open position. When the lid is swung forwardly beyond the vertical position to close the cabinet, the vertically movable platform will be permitted to descend to its initial position.

In order to counter-balance to a greater or less degree, the weight of the contents of the compartment in the operation of the device, an inclined coiled spring 28 is arranged beneath the lifting board or member 14 and is connected at its upper end at 29 to the same and is provided at its lower end with a threaded stem or screw 30 extending through the bottom of the compartment and provided with a nut 31 engaging the threads of the stem 30 and fitting against a bracket 32 which forms a bearing or abutment for

the nut. The nut is readily adjustable to vary the tension of the spring which resists horizontal movement of the lifting board or member in one direction and thereby counter-balances the weight of the records.

In practice, the phonograph cabinet will be equipped with an electric light 33 preferably mounted on the central lid 6 and adapted to enable the names of the records to be readily seen so that the proper record may be removed from either record compartment.

What is claimed is:—

1. A cabinet for phonograph records having a record receiving compartment and provided with a hinged lid, a platform movable upwardly and downwardly within the compartment and arranged to receive and support the records, parallel lever members mounted within the compartment below the platform and connected with and operated by the lid, and means for connecting the lever members and for supporting the platform whereby the latter will be raised and lowered when the lid is opened and closed, said means including a crank element connected with one of the lever members.

2. A cabinet for phonograph records including a compartment having a hinged lid, a platform movable upwardly and downwardly within the compartment and provided at its ends with wheels, guide rails mounted within the compartment and arranged to receive the said wheels, and means connected with and operated by the lid for raising and lowering the platform when the lid is opened and closed.

3. A cabinet for phonograph records including a compartment having a hinged lid, a platform movable upwardly and downwardly within the compartment, a relatively movable lifting board arranged beneath and carrying the platform, swinging link members mounted within the compartment and connected with and supporting the lifting member, a crank element connected with one of the link members, and means for connecting the said crank element with the lid.

4. A cabinet for phonograph records including a compartment having a hinged lid, a platform movable upwardly and downwardly within the compartment, a relatively movable lifting member arranged beneath and carrying the platform, swinging link members mounted within the compartment and connected with and supporting the lifting member, a crank element connected with one of the link members, and upper and lower links pivoted together to form a joint at the upper edge of the body to permit the upper link to swing over the same and connected to the crank element and the lid for swinging the link members when the lid is opened and closed.

70

75

80

85

90

95

100

105

110

115

120

125

130

5 5. A cabinet for phonograph records including a compartment having a hinged lid, a platform movable upwardly and downwardly in the compartment and adapted to
10 support the records, a member located beneath the platform and movable along the same, swinging loops mounted within the compartment and carrying the lifting member, crank arms connected with one of the
15 swinging loops and links connecting the crank arms with the lid.

6. A cabinet for phonograph records including a compartment having a hinged lid, a platform movable upwardly and downwardly in the compartment and adapted to
15 support the records, a member located beneath the platform and movable along the same, swinging loops mounted within the compartment and carrying the lifting member,

ber, rollers mounted on the lifting member 20 and receiving the platform, and links connecting the swinging loops with the lid.

7. A cabinet for phonograph records including a compartment having a hinged lid, a platform movable upwardly and downwardly within the compartment, a lifting member arranged beneath the platform, swinging links carrying the lifting member, means connected with the lid for swinging the links, and a spring connected with the
25 lifting member and arranged to resist horizontal movement of the same in one direction for counter-balancing the weight of the records. 30

In testimony whereof, I have hereunto 35 affixed my signature.

EDWARD W. WINSLOW.