

J. G. PROVIDENTI.
TALKING MACHINE CABINET.
APPLICATION FILED AUG. 25, 1919.

1,345,692.

Patented July 6, 1920.

2 SHEETS—SHEET 1.

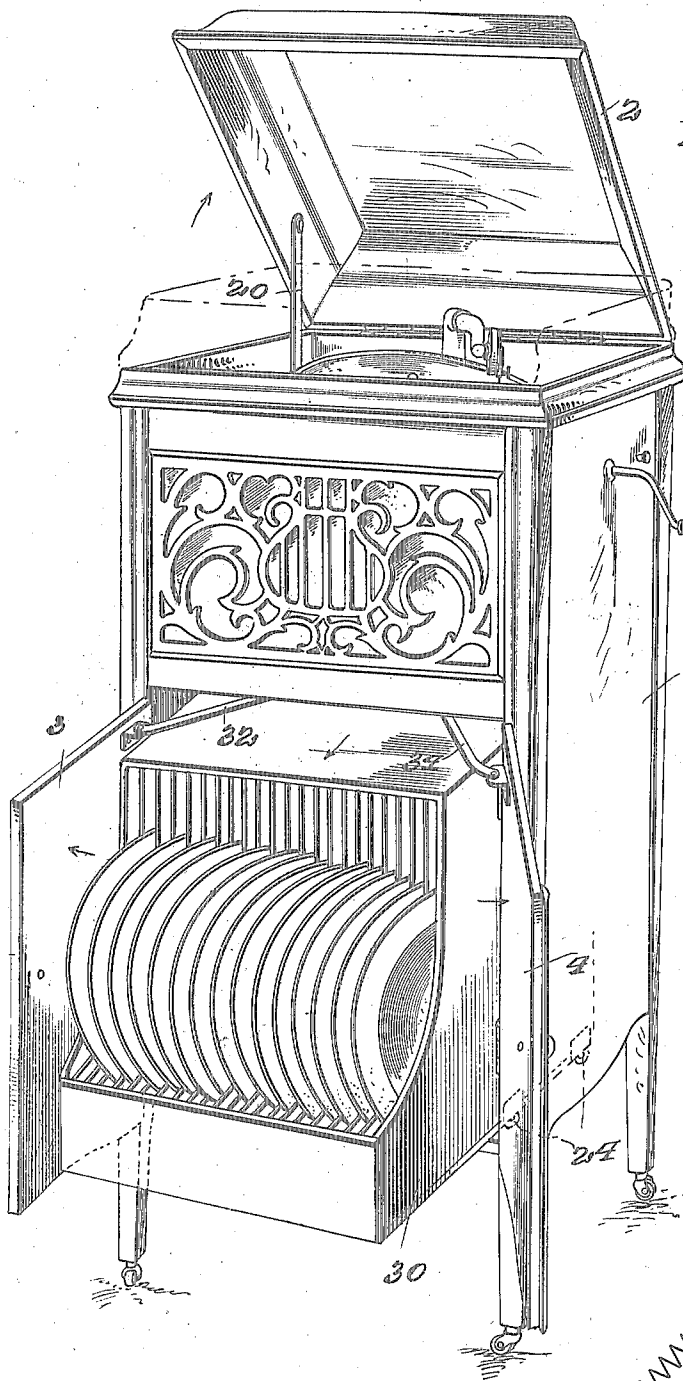


Fig. 1.

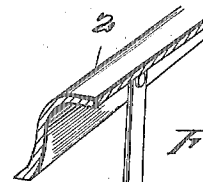


Fig. 2.

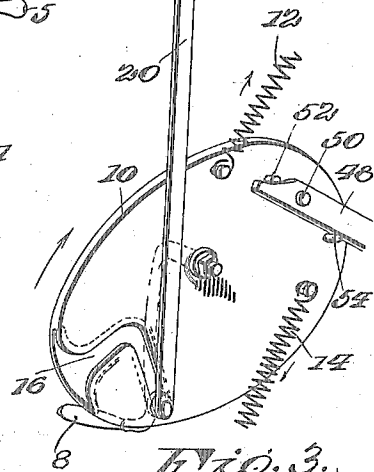
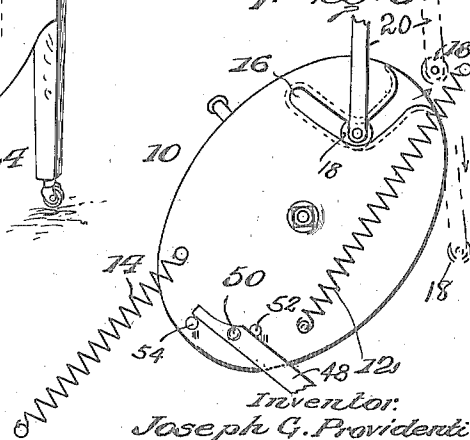


Fig. 3.



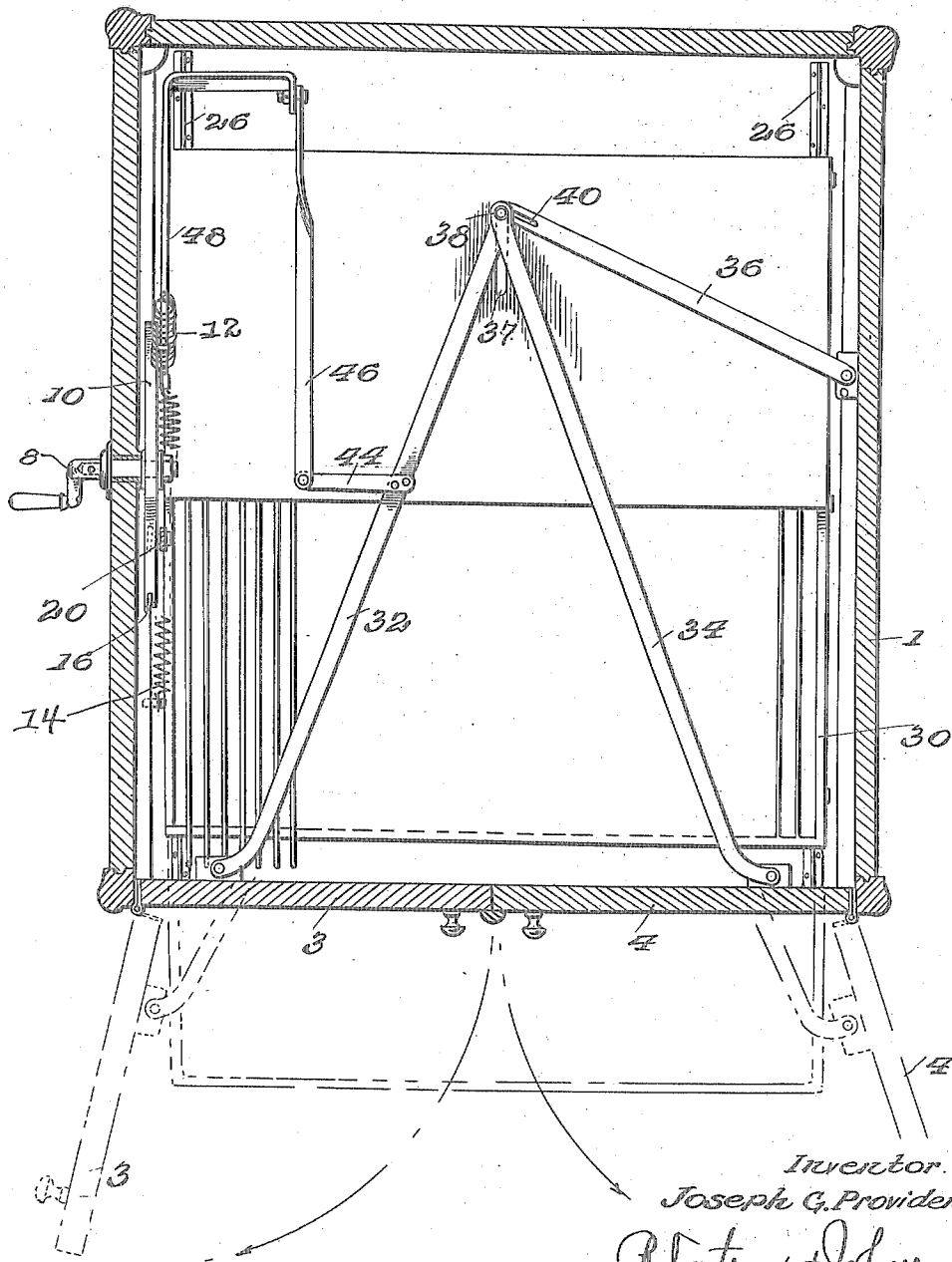
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Fig. 4.



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UNITED STATES PATENT OFFICE.

JOSEPH G. PROVIDENTI, OF BROOKLYN, NEW YORK.

TALKING-MACHINE CABINET.

1,345,692.

Specification of Letters Patent.

Patented July 6, 1920.

Application filed August 25, 1919. Serial No. 319,736.

To all whom it may concern:

Be it known that I, JOSEPH G. PROVIDENTI, a citizen of the United States of America, and resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Talking-Machine Cabinets, of which the following is a specification.

This invention relates to improvements in cabinets for talking machines, and the object of the invention is to provide a cabinet in which, by the operation of a single part as for example a crank, the top or cover may be elevated, the doors may be thrown open, and the record drawer may be moved out of said doors.

The invention, in its preferable but not necessary embodiment, consists in the construction and arrangement of parts hereinafter more particularly described and then definitely claimed.

In the drawings accompanying and forming part hereof:

Figure 1 is a perspective view of the cabinet of a talking machine containing my improvements;

Fig. 2 is a perspective detail of certain parts detached.

Fig. 3 is a perspective detail of some of the parts shown in Fig. 2, but in different positions.

Fig. 4 is a horizontal section taken through the entire cabinet, the line of section being just above the top of the vertical doors.

Referring now to the details of the drawings by numerals; 1 designates a cabinet which may be of any desired construction and in the form shown it has the usual hinged top 2 and the usual vertical doors 3 and 4.

On one side of the cabinet, preferably on the side opposite to that on which is supported the usual winding crank 5, I journal in any desired manner a crank 8 (see Fig. 4), and to the inner end of the shaft of this crank is secured an operating device, which, as I now prefer to make it, consists of a plate or elliptical disk 10 which is of the particular shape shown in Figs. 2 and 3. This plate 10 is preferably provided with two springs 12 and 14, the free ends of which are connected to a fixed part of the casings and said springs, tend to draw upon the plate 10 to counterbalance the weight upon it, as will be hereinafter explained.

The disk is also, as shown, provided with a V or U shaped recessed slot 16 to receive a small roller 18 on the end of a link 20 the upper end of which is connected to the hinged top 2 as clearly seen in Fig. 1. Thus when the top is in its closed position the roller will be in the closed end of the slot 16, but whenever said plate 10 is rotated by the movement of the crank 8, the said plate moves from the position shown in Fig. 2 to that shown in Fig. 3, thus shoving the link 20 and its connected top 2 upward, the roller 18 in the meantime moving in its slot 16 until it rests in the angle of the slot, when, if the crank is released, the weight of the top 2 will cause the roller to lock in the angle of its slot and thereby hold the top 2 in its elevated or open position. The springs 12 and 14 above referred to draw upon the plate 10 and thus help to counterbalance the weight of the top.

In the form of cabinet shown in my drawings, it will be observed that the drawer holding the records is made to slide horizontally forward, the drawer having rollers 24 running upon tracks 26, and that the drawer opening is closed by two vertically hinged doors 3 and 4. The drawer is designated by the numeral 30. The doors 3 and 4 and the drawer are all moved through the movement of the crank 8 and its plate 10, and to make said parts capable of performing this service, they are connected to the drawer and doors by connections that will now be described. The door 3 has a pivoted link 32 and the door 4 has a similar link 34 the rear ends of which are pivotally connected to a supporting link 36, the free end of which is pivotally connected to the inner wall of the cabinet as shown in Fig. 4. The top of the record drawer 30 is provided with a slot 37 into which the pivot 38 connecting the links 32 and 34 with the link 36, projects. It follows from this construction that if the links 32 and 34 are caused to move forward, the first movement is for the front ends of the links 32 and 34 to shove open the doors. However, as soon as the pivot 38 of the links 32 and 34 reaches the end of the slot 36 in the top of the record drawer 30, said drawer will also be shoved outwardly with the doors, until the parts reach the position shown in Fig. 1. Said link 36 limits the movement of the drawer 30 so that it cannot be drawn too far out of the cabinet. In

order to permit this movement as just described, the link 36 is provided with a slot 40.

One of the links (32) is pivotally connected by means of links 44 and 46 with an L-shaped lever 48, the longer end of which is pivotally connected with the plate 10 as indicated at 50. The free end of this lever 48 is pivoted to the plate 10 and located between two pins 52 and 54 on said plate, so that as said plate is rotated on its pivot by the rotation of the crank 8, the lever 48 is swung around on its pivot with said plate 10, thereby moving the short end of the lever 48 and its connections 46 and 44 to move the links 32 and 34 outward to effect the movements hereinbefore described. The aforesaid pins 52 and 54 moving around with the plate 10 act as stops when the plate and pins reach the position shown in Fig. 3.

It will sometimes be desirable that the top 2 shall remain free from the doors 3 and 4 and the drawer 30, so that it will be possible to close the top while a record is being played and yet permit the doors and drawer to remain open. It is for this purpose that the slot 16 is open at one end and is very wide at its free end, as clearly shown in Fig. 2. This makes it possible after the parts are moved to the position shown in full lines in Fig. 3, for the operator to free the roller 18 from its slot 16 by merely raising the top 2. This will cause the roller 18 to move out of the free or open end of the slot 16, and then, if the operator desires to close the top with the doors open, he merely permits the top to close by gravity, allowing the link 20 to drop down into the cabinet but not in its slot 16. Of course when it is desired that the parts shall all assume their normal positions, the operator by grasping the link 20 guides the roller 18 in its slot 16, when all the parts will again operate by the movement of the crank 8 and plate 10.

From the foregoing and the accompanying drawings, it will be seen that I have provided a very simple arrangement whereby the top of a cabinet, its vertical doors, and its horizontally sliding record drawer may all be operated by the movement of a single part, as for example the crank 8.

It will be obvious that changes and modifications may be made without departing from the spirit of my invention, the scope of which is set forth by the appended claims.

What I claim as my invention is:

1. In a talking machine cabinet, the combination of a hinged top, a hinged door, a sliding drawer, a movable member, and connections between said movable member and said top, door and drawer constructed and arranged to move said top, door and drawer upon the movement of said movable member.

2. In a talking machine cabinet, the combination of a hinged top, a hinged door, a

sliding drawer, a crank, a plate movable therewith, and connections between said plate and said hinged top, door and drawer constructed and arranged to move said top, door and drawer upon the movement of said crank and plate.

3. In a talking machine cabinet, the combination of a hinged top, a hinged door, a sliding drawer, a movable member having a slot therein with a bend, connections between said plate and said door and drawer, and a link connected to said top and having its ends cooperating with said slot and arranged to rest in the bend when the top is raised.

4. In a talking machine, the combination of hinged top, a movable member having a slot therein with one end open, a link having one end connected to said top and the other end working in said slot, the link being capable of being disconnected from said plate through the open end of said slot.

5. In a talking machine cabinet, the combination of a hinged top, a hinged door, a sliding drawer, a movable member having a slot therein with an open end, connections between said movable member and said door and drawer, and a link having one end connected to the top and the other end cooperating with the slot in the movable member, said link being capable of being disconnected from said movable member through the open end of said slot, whereby the top may be opened and closed without moving said door and drawer.

6. In a talking machine cabinet, the combination of a hinged top, a hinged door, a sliding drawer, a crank, a plate movable therewith and having a slot therein, connections between said plate and said door and said drawer, and a link having one end connected to the top and its other end cooperating with the slot in said plate.

7. In a talking machine cabinet, the combination of a hinged top, a hinged door, a sliding drawer, a crank, a plate movable therewith, connections between said plate and the door and drawer, a link connecting said top with said plate, and a spring cooperating with said plate, to assist in counterbalancing the weight of the top on said plate.

8. In a talking machine cabinet, the combination of a hinged top, a hinged door, a sliding drawer, a crank, a plate movable therewith, a link connecting said plate with said top, a link connecting with said door, and having a part entering a slot in said drawer, and a connection between said plate and the link which connects with the drawer and door.

9. In a talking machine cabinet, the combination of a hinged top, two hinged doors, a sliding drawer, a crank, a plate movable therewith, a link connecting said plate with

said top, pivoted links having their free ends connected with said hinged doors, the pivot of said last mentioned links entering a slot in said sliding drawer, and a connection
5 between said plate and the links operating the doors, whereby upon the movement of the crank and its plate, the link opens the top, and the connections described opens

said doors and shoves the drawer through the door opening.

In testimony whereof I affix my signature
10 in presence of two witnesses.

JOSEPH G. PROVIDENTI.

Witnesses:

JOHN F. WILSON,
FERDINAND TAUX.