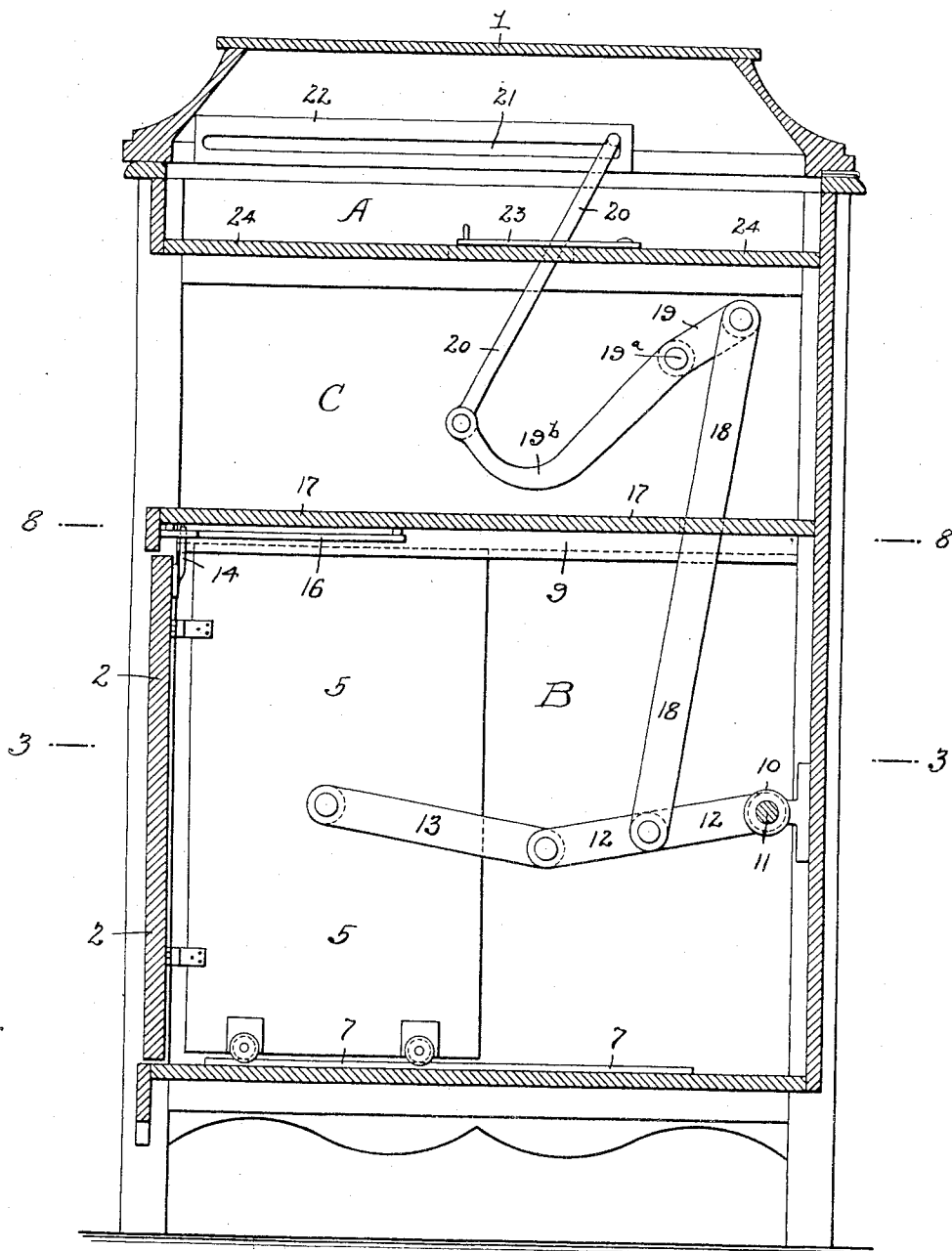


1,342,851.

Patented June 8, 1920.
4 SHEETS—SHEET 1.

Fig. 1.



INVENTOR
CLAYTON B. LANDIS
BY HIS ATTORNEY
Harry Smith

C. B. LANDIS.

CABINET.

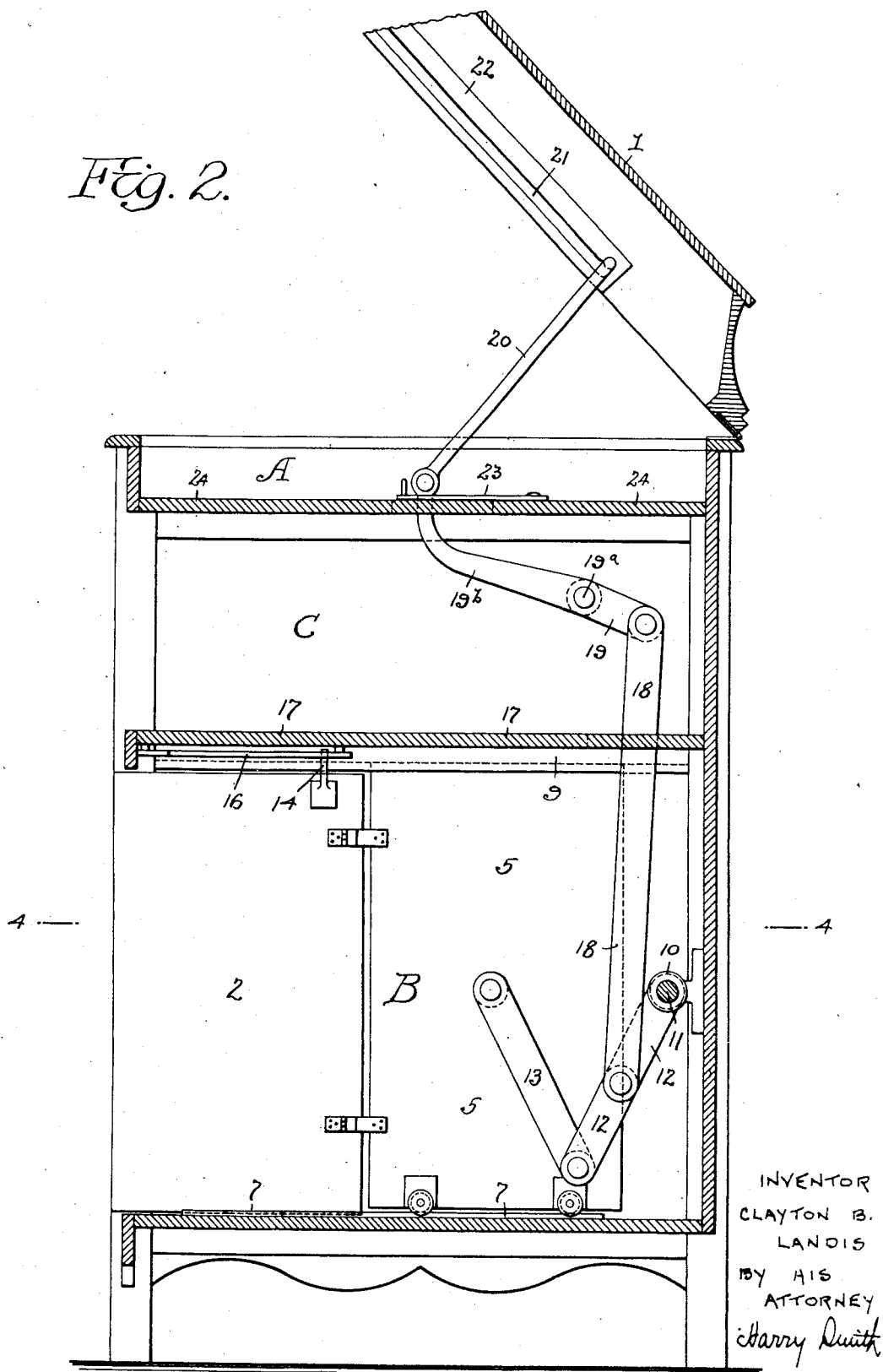
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4 SHEETS—SHEET 2.

Fig. 2.



C. B. LANDIS.

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4 SHEETS—SHEET 3.

Fig. 3.

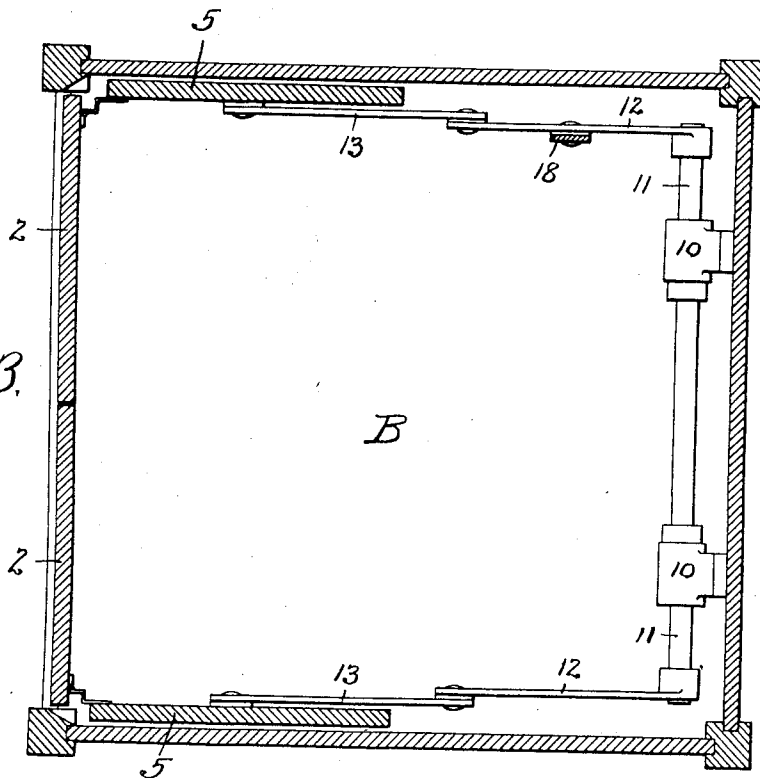
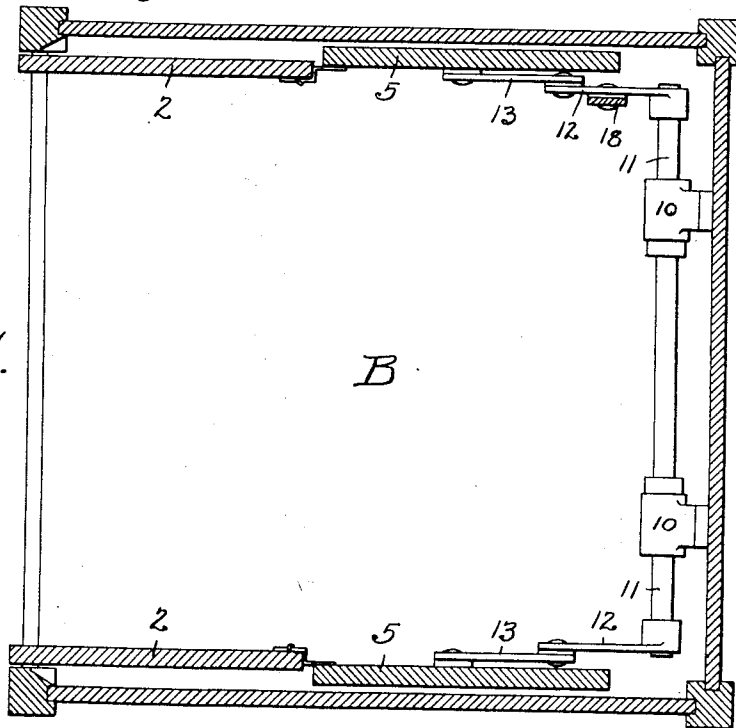


Fig. 4.



INVENTOR CLAYTON B. LANDIS

BY HIS ATTORNEY Harry Smith

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Fig. 5.

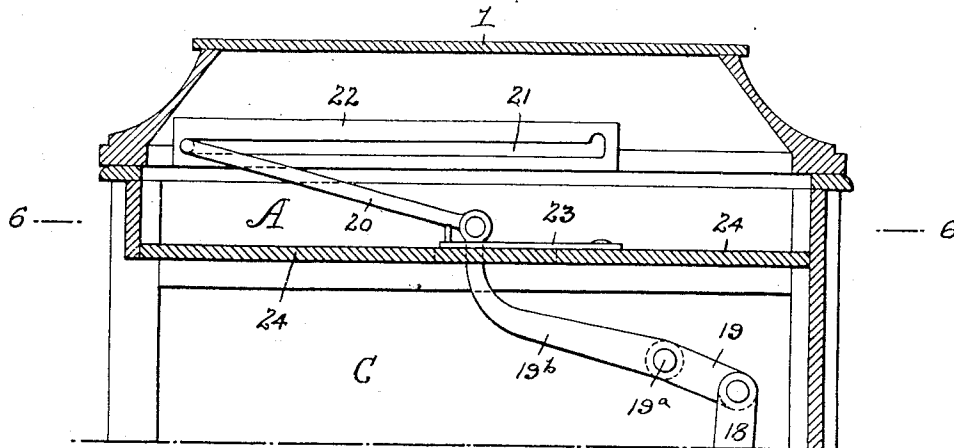


Fig. 6.

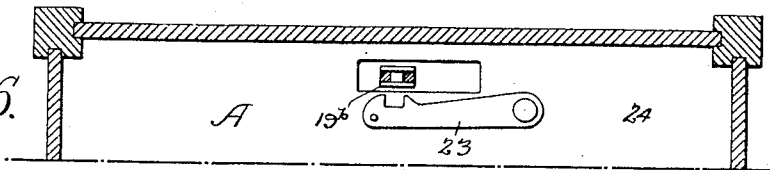


Fig. 7.

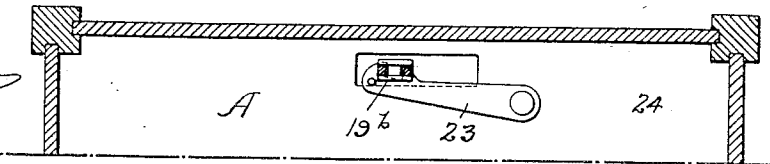
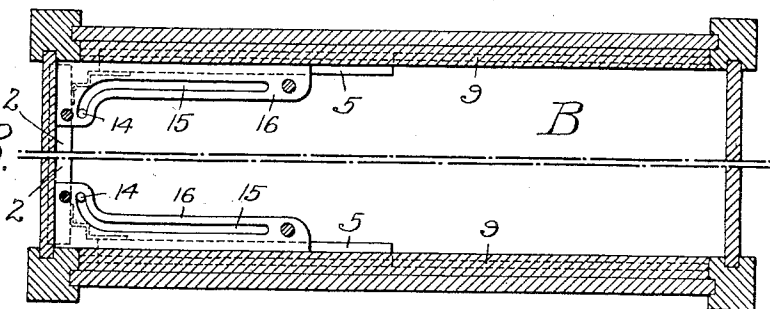


Fig. 8.



INVENTOR
CLAYTON B. LANDIS
BY HIS ATTORNEY
Harry Smith

UNITED STATES PATENT OFFICE.

CLAYTON B. LANDIS, OF PHILADELPHIA, PENNSYLVANIA.

CABINET.

1,342,851.

Specification of Letters Patent.

Patented June 8, 1920.

Application filed January 29, 1920. Serial No. 354,828.

To all whom it may concern:

Be it known that I, CLAYTON B. LANDIS, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Cabinets, of which the following is a specification.

My invention relates to cabinets of the type having an upper compartment adapted to be closed by a hinged lid and a lower compartment adapted to be closed by a pair of swinging doors. One purpose of my invention is to construct a cabinet of this type in such a way that when the lid is raised or lowered to open or close the upper compartment the doors closing the lower compartment will automatically open or close, as the case may be, another purpose of my invention being to so mount the doors of the lower compartment that, when open they will be withdrawn into the body of the compartment, and yet another purpose being to provide such construction that, when the lid has been raised and the doors opened, the lid may, if desired, be lowered and raised without corresponding movement of the doors.

Although capable of application to cabinets of the type specified without regard to what use they are put, my invention is particularly adapted for use in connection with the cabinets of phonographs or talking machines, having been designed with this use in view. I shall, consequently, illustrate and describe my invention with reference to this particular use.

In the accompanying drawings

Figure 1 is a vertical sectional view of a talking machine cabinet constructed in accordance with my invention, the lid being shown lowered and the doors closed;

Fig. 2 is a similar view, but with the lid shown raised and the doors open;

Fig. 3 is a transverse sectional view on the line 3—3, Fig. 1;

Fig. 4 is a similar view on the line 4—4, Fig. 2;

Fig. 5 is a vertical sectional view of the upper compartment of the cabinet illustrating the manner in which the lid may be operated independently of the doors when the latter are open;

Fig. 6 is a transverse sectional view on the line 6—6, Fig. 5, but showing a certain locking plate in unlocking position;

Fig. 7 is a view similar to Fig. 6 but

showing the locking plate in locking position corresponding to Fig. 5, and

Fig. 8 is a transverse sectional view on the line 8—8, Fig. 1, illustrating certain door guiding plates.

In the drawings is shown a phonograph or talking machine cabinet having side and rear walls and transverse partitions which serve to divide it into an upper or turntable compartment A, a lower or record storage compartment B, and an intermediate or motor and horn compartment C. The turntable compartment A is closed by means of a hinged lid 1 and the record storage compartment B is closed by means of a pair of swinging doors 2. The front of the motor and horn compartment C may be closed by means of any suitable doors or screen. With this the present invention is not concerned.

Each of the doors 2 is hinged, not to any fixed portion of the cabinet construction but to a slide 5 mounted upon wheels which run upon a track 7. The upper edge of each slide 5 has a tongue and groove engagement with a side bar 9 of the fixed frame of the cabinet.

Rotatably mounted in bearings 10 projecting inwardly from the rear wall of the cabinet is a rock shaft 11 and mounted upon this rock shaft are the hubs of a pair of arms 12 the outer ends of which are pivotally secured to the ends of links 13 the other ends of which are pivoted to the slides 5.

Projecting upwardly from each door 2 near its hinged edge is a pin 14 which engages a slot 15 (Fig. 8) in a guide plate 16 secured, above the door, to the bottom of the transverse partition 17 which forms the top of the record storage compartment B.

As the shaft 11 is rocked, the slides 5 are either projected as shown in Figs. 1 and 3 or retracted as shown in Figs. 2 and 4, and, owing to the guiding action of the slots 15 in the plates 16 upon the upstanding pins 14 on the doors 2, the latter are accordingly closed or opened and withdrawn as shown in said figures. The manner in which the shaft 11 is rocked to retract the slides 5 and open and withdraw the doors 2 when the lid 1 is raised to open the turntable compartment A and reversely rocked to project the slides and close the doors when the lid is lowered to close the compartment A will now be described.

Pivotally secured to one of the arms 12 about midway of its length is the lower end of a link 18 the end of which is pivoted to one arm 19 of a lever pivotally mounted, at 19^a, upon any convenient portion of the cabinet wall. The other arm 19^b of this lever has, pivotally secured to it, the lower end of a brace link 20, the upper end of which normally engages a notch at the rear of a slot 21 formed in a plate 22 secured to the inside of the lid 1.

When the lid 1 is raised from the position shown in Fig. 1 to that shown in Fig. 2, this link and lever mechanism rocks the shaft 11 in a manner easily understood. It is, of course, obvious that the lower end of the link 18 may be pivoted to a special arm on the rock shaft 11 rather than to one of the arms 12.

When the lid 1 has been raised and the doors 2 are opened and retracted, it is sometimes desirable to be able to close and open the lid 1 without causing corresponding movement of the doors 2. In this case, use is made of a swinging locking blade 23 pivoted upon the transverse partition 24 which forms the bottom of the compartment A. This blade normally occupies the position shown in Fig. 6. If it is thrown to the position shown in Fig. 7 its notched head will engage the lower portion of the head on the lever arm 19^b to which is pivoted the lower end of the brace link 20. The lever will thereby be locked in place, and it is merely necessary to impart such lift to the lid 1 as will release the upper end of the link 20 from the notch at the rear end of the slot 21 in order to release the lid from the supporting effect of said link. The lid may then be lowered, the upper end of the brace link 20 traveling forwardly in the slot 21 to the position shown in Fig. 5.

Having thus described my invention, I claim:

1. The combination, in a cabinet having upper and lower compartments, of a hinged lid adapted to close the upper compartment, a swinging closure for the lower compartment, connecting mechanism whereby said

lid and said closure open and close in unison, and releasable locking means for said connecting mechanism, operable when said lid and closure are open, whereby said closure is locked in such open position but said lid is capable of independent operation.

2. The combination, in a cabinet having upper and lower compartments, of a hinged lid adapted to close the upper compartment, a pair of swinging doors adapted to close the lower compartment, and connecting mechanism whereby said doors are opened and withdrawn into the cabinet as said lid is raised, and projected and closed as said lid is lowered.

3. The combination, in a cabinet having upper and lower compartments, of a hinged lid adapted to close the upper compartment, a pair of swinging doors adapted to close the lower compartment, members to which said doors are hinged, and connecting mechanism whereby said members are retracted as said lid is raised and projected as said lid is lowered.

4. The combination, in a cabinet having upper and lower compartments, of a hinged lid adapted to close the upper compartment, a pair of swinging doors adapted to close the lower compartment, members to which said doors are hinged, a rock shaft, connecting mechanism whereby rocking of said rock shaft retracts and projects said members, and operating means whereby raising and lowering of said lid causes said rock shaft to rock.

5. The combination, in a cabinet, of a swinging door, a member to which said door is hinged, means for retracting and projecting said member, a slotted guide plate mounted upon a fixed portion of the cabinet frame, and a pin projecting from said door and engaging the slot in said guide plate, whereby said door is caused to swing open as said member is retracted and is caused to swing closed as said member is projected.

In testimony whereof I have signed my name to this specification.

CLAYTON B. LANDIS.