

Jan. 8, 1929.

1,698,499

F. H. HORNING
PHONOGRAPH CABINET

Filed May 11, 1921

Fig. 1

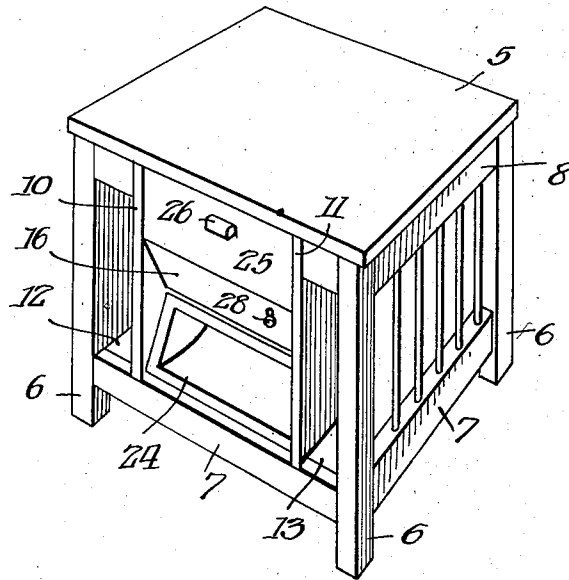


Fig. 2

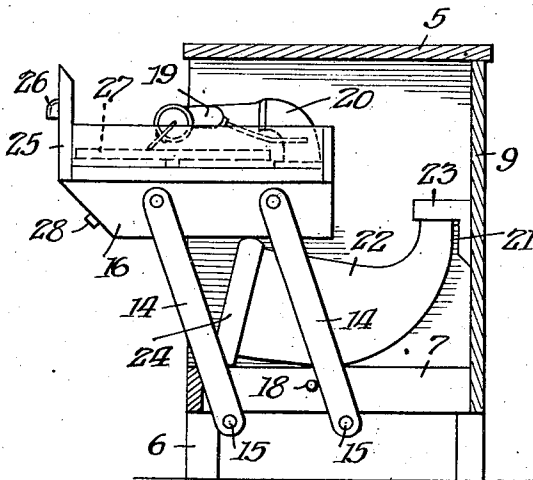
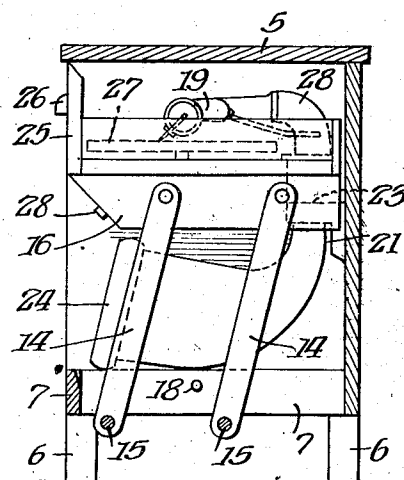


Fig. 3



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Patented Jan. 8, 1929.

1,698,499

UNITED STATES PATENT OFFICE.

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PHONOGRAPH CABINET.

Original application filed December 30, 1920, Serial No. 423,992. Divided and this application filed May 11, 1921. Serial No. 468,484.

This invention relates to cabinets but more particularly to such as are used for phonographs and has for its primary object to provide a cabinet which is simple in construction, neat and attractive in appearance and convenient in operation.

Further objects of the invention are to provide a cabinet of this nature having a stationary top and a phonograph supporting tray movable substantially horizontally from a position wholly within the cabinet to one partially or wholly without the same, to provide an advantageous mounting for the tray, and in general to provide a novel and useful form of cabinet for a phonograph.

The many other objects and advantages of the invention will be better understood by reference to the following specification when considered in connection with the accompanying drawing illustrating a selected embodiment thereof, in which:—

Fig. 1 is a perspective view of the cabinet in its closed position.

Fig. 2 is a side elevation of the cabinet with a portion of the walls removed, the parts being in their extended position, and

Fig. 3 is the same as Fig. 2 but with the parts in their closed position.

Referring to the drawing, the cabinet forming the present embodiment resembles in appearance a library table having a stationary top 5 supported by legs or corner posts 6 connected by leg braces 7. The end walls 8 may be of grille-work or any other suitable form of furniture construction to provide an attractive appearance and form a partial closure between the top and the leg braces. The rear wall 9 is preferably of solid construction. Vertical side partitions 10 and 11 preferably extend from the top to the leg braces at an interval from the corresponding ends of the cabinet to form record-holding compartments 12 and 13 respectively.

Oppositely disposed pairs of links 14 are pivotally mounted at 15 upon the side partitions 10 and 11. These links are pivotally connected at their upper ends to the phonograph supporting tray 16 and form a support therefor. The pivotal connections 15 are preferably so located that the links 14 are inclined inwardly when the tray is in its innermost position, as indicated in Fig. 3, and outwardly when the tray is moved to its outermost position, as indicated in Fig. 2. By thus swinging on opposite sides of the dead centers

of the links the tray is retained in either position in which it is moved. Stops 18, or other suitable means, are provided to limit the forward movement of the tray 16.

The operating mechanism of the phonograph 19 is carried by the tray 16 and the rear portion of the tone arm 20 passes downwardly through the tray and communicates at its base with the upper end 21 of the horn 22 when the tray is in its closed or rearward position. This upper end 21 is supported by a bracket 23 secured to the rear wall 9 of the cabinet. The front end 24 of the horn is supported by the braces 7 or in any other suitable manner.

The tray 16 is preferably provided with a front 25 which forms with the side partitions 10 and 11, the rear wall 9, and the top 5 of the cabinet an enclosure for the phonograph mechanism when the tray is in its innermost position. A handle 26 is preferably provided to permit the tray to be conveniently moved inwardly and outwardly.

To place a record upon the turntable 27 of the phonograph, the tray is moved into its outermost position which permits convenient access thereto. The cabinet is closed by pressing the tray rearwardly. The bracket 23 forms a stop or support for the tray in its rearward position.

The phonograph mechanism is controlled by a press button 28 in the front face of the tray. For the details of my phonograph mechanism reference may be had to my original application for improvements in phonographs filed December 30, 1920, Serial No. 423,992, of which the present application is a division.

I am aware that many changes in the construction and arrangement of parts may readily be made without departing from the spirit of my invention and I reserve the right to make all such changes as fairly fall within the scope of the following claims.

I claim as my invention:

1. A phonograph cabinet comprising a casing, a tray supported in said casing by links pivotally connected at their upper ends to said tray and at their lower ends to said casing, said tray being adapted to swing on said links about a horizontal axis from a position wholly within said casing to a position partially without the same, phonograph mechanism including a tone arm mounted on said tray, and a horn stationarily mounted on said

frame and communicating with said tone arm when said tray is in its inner position, said links being inclined inwardly when said tray is in its inner position and outwardly when in its outer position.

2. A phonograph cabinet comprising a casing having a stationary top, a stationary horn mounted in said casing beneath said top, a carriage movable from a position partially without said casing to a position wholly within the same, phonograph mechanism including a tone arm mounted on said carriage, the lower downwardly facing inner end of said tone arm being adapted to register with the upper upwardly facing inner end of said horn when said carriage is in its innermost position, and supporting means for said carriage adapted to conduct said carriage in a path to bring said ends into registration by lowering the end of the tone arm upon the end of the horn.

3. A phonograph cabinet comprising a casing, a stationary horn mounted in said casing, a tray movable from a position partially without said casing to a position wholly within the same, a front portion on the tray adapted to close the upper portion of the front of the casing, phonograph mechanism including a tone arm supported by said tray, the inner end of said tone arm being adapted to register with the inner end of said horn when said tray is in its innermost position, and supporting links for said carriage adapted to conduct said tray in a path to bring said ends into registration by lowering the end of the tone arm upon the end of the horn.

4. A phonograph cabinet comprising a frame provided with a stationary top, links pivoted in the frame, a tray supported on the links and adapted to swing thereon inwardly

and downwardly from a position partially without the frame to a position wholly within the frame, a stationary horn supported in the frame in a downwardly and forwardly extending position beneath the tray when swung inwardly, a bracket supporting the upper end of the horn, phonograph mechanism including a tone-arm mounted on the tray and adapted to engage and register with the upper end of the horn to establish communication therewith when the tray is in its inner position, and a front on the tray to close the mechanism compartment.

5. A phonograph cabinet comprising a frame provided with a stationary top, links pivoted in the frame, a tray supported on the links and adapted to swing thereon inwardly and downwardly from a position partially without the frame to a position wholly within the frame, a stationary horn supported in the frame in a downwardly and forwardly extending position beneath the tray when swung inwardly, a bracket supporting the upper end of the horn, phonograph mechanism including a tone-arm mounted on the tray and adapted to engage and register with the upper end of the horn to establish communication therewith when the tray is in its inner position, said links being disposed in forwardly inclined positions when the tray is swung partially without the frame, and stops to limit such outward movement by engagement with certain of the links, said bracket limiting the inward movement of the tray into the frame when the links are swung into rearwardly inclined positions and also forming a support for the tray and mechanism carried thereby.

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