March 18, 1924. 1,487,156

E. H. FOLEY

PHONOGRAPH CABINET

Filed June 6, 1921

Fig. 1.

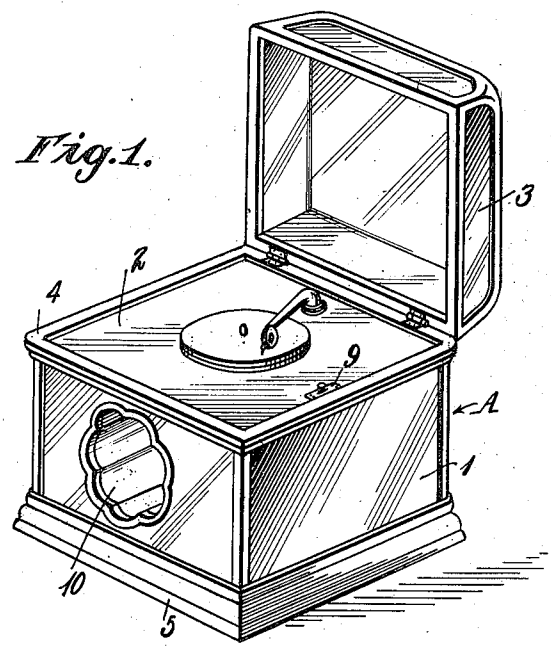
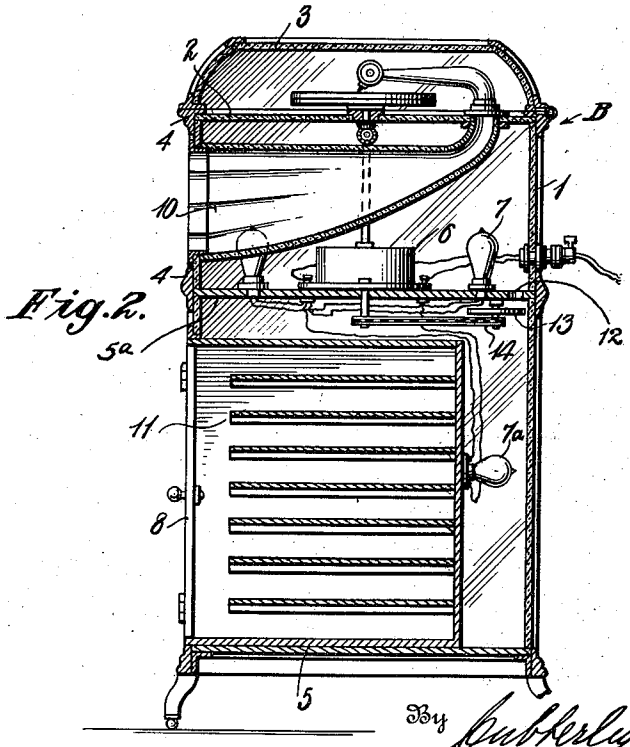


Fig. 2.



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UNITED STATES PATENT OFFICE.

EARL H. FOLEY, OF NORFOLK, VIRGINIA.

PHONOGRAPH CABINET.

Application filed June 6, 1921. Serial No. 475,281.

To all whom it may concern:

Be it known that I, EARL H. FOLEY, a citizen of the United States, residing at Norfolk, in the county of Norfolk and State of Virginia, have invented new and useful Improvements in Phonograph Cabinets, of which the following is a specification.

My invention has reference in general terms, to the provision of a semi-transparent or translucent cabinet for phonographs and the like, embodying an illuminating apparatus, whereby among other things the artistic appearance and utility of the cabinet is increased.

The broad idea of associating a sound reproducing machine with an illuminating device has prevously been known in the art as evidenced by patents granted to F. H. Feraud, Numbers 1,310,564 of July 22nd, 1919, and 1,300,363 of April 15th, 1919 but all prior devices of this character necessitate adapting the sound reproducing machine per se to the particular illuminating device with which it is associated. Furthermore, in each of these prior devices, the housing arrangement for the sound reproducing apparatus it of such a nature that the intensity, pitch and timbre of the tones of the instrument are interfered with. In my cabinet, however, the inherent qualities of the instrument are maintain although certain other advantages are attributable to the cabinet through the use of translucent sides and top and the utilization of an illuminating apparatus in the interior thereof.

From the foregoing it will be understood that the principal objects of my invention, briefly stated, are: first, to provide a phonograph cabinet constructed principally of glass which has been rendered translucent or semi-transparent through grinding, beading or staining, or by painting the surface of the glass; second, to associate with a semi-transparent phonograph cabinet an illuminating apparatus whereby to increase the artistic appearance of the cabinet; third, to provide a semi-transparent, illuminable phonograph cabinet wherein none of the inherent tone amplifying features of the usual cabinet are impaired, and, fourth, to provide means for filtering and variably filtering reflected colors from the cabinet,

To these and other ends, my invention consists in the construction, arrangement and combination of parts described hereinafter and pointed out in the claims forming a part of this specification.

One embodiment of my invention is represented by way of example in the accompanying drawings, wherein:—

Figures 1 and 2 are perspective views of two types of phonograph cabinets constructed according to the principles embodied by my invention.

Like characters of reference designate like or similar parts throughout the several views of the drawings, in which—

(A) designates a small phonograph cabinet having translucent or semi-transparent glass sides (1), a glass top (2) and a translucent glass cover (3). The glass sides, top and cover may be attached to the wood or metallic frame (4) in any suitable manner such as by securing the meeting edges thereof by bolts or the like or by leading the same to the the small frame. The bottom (5) of the cabinet, and both the bottom (5) and intermediate partition (5^a), between the upper and lower sections or compartments of the large cabinet B are preferably formed of wood or metal and the power plant (6) which is shown in connection with the large cabinet (B) in Figure 2, is attached to the intermediate partition (5^a) of the large cabinet B, or to the bottom (5) of the small cabinet A in the usual manner. As also shown in detail in Figure 2, the sound reproducing apparatus used with my cabinet is preferably that type which is driven by electricity, and as a consequence the illuminating bulbs (7) and (7^a) are wired directly thereto or to the service wire from the source of power (not shown). The cover (3) and doors (8) of the cabinet (B) are hingedly connected to the frame as indicated and a switch (9), as shown in cabinet A, is attached to the top adjacent the turntable for an obvious purpose. It is also pointed out that the turntable of the phonograph may be driven either by an axle drive or a rim drive from the power plant (6). In the present instance I have shown for illustration an axle drive. I have found it desirable to utilize a glass

horn (10), the open end of which may be constructed to present an artistic aspect, such as that of the petals of a flower or the like.

Reference is now made specifically to the large cabinet (B), in the lower section or compartment of which, and upon the bottom (5), is mounted a wooden or metallic receptacle (11) for the storing of records and the like. The receptacle (11) is spaced from the glass sides (1) of the cabinet and access thereto is had through the doors (8). The intermediate partition (5a) between the upper and lower sections is formed with an aperture (12), beneath which is mounted a suitable color filter plate (13) which may be rotated, if desired, through the medium of a chain connection (14) with the power plant (6). Light rays from the illuminating bulbs (7) and (7a) in passing through the color filter (13) and the aperture (12) tend to impart a distinctive hue to the cabinet and horn, and by turning off or removing one or the other of the sets of bulbs (7) and (7a) a more marked variation of color will be obtained, particularly with respect to the lower and upper sections or upper and lower sections of the cabinet respectively. When the color filter plate is rotated through the medium of the chain (14) different colors, or different shades of the same color will be exhibited successively. Inasmuch as the translucent horn (10) receives its light from the same source as the rest of the cabinet, it will present an exceptionally pleasing aspect, particularly when its color or hue is subjected to successive changes through the rotation of the filter plate. Still more marked results may be obtained from the color filter by utilizing suitable reflectors (not shown) for concentrating light rays upon it and through the aperture (12), and it is here pointed out that the filter may be mounted either above or below the partition (5a) without loss of function.

The glass portions of the cabinet, and the horn, are rendered semi-transparent or translucent by staining the same, by using ground or beaded glass, or by painting or staining the surface of the glass.

The advantages and object of my invention are thought to be apparent from the foregoing description, but attention is particularly directed to the fact that the qualities of the instrument are in no way impaired by the peculiar construction of the cabinet herein specified.

While in the foregoing, there has been illustrated and described such combination and arrangement of elements as constitute the preferred embodiment of my invention, it is nevertheless desired to emphasize the fact that interpretation of the invention should only be conclusive when made in the light of the subjoined claims.

Having described my invention and its objects with such attention to detail as will thoroughly acquaint one skilled in the art with its construction and advantages, I claim—

1. A cabinet for sound reproducing machines comprising a frame having a hinged top, a source of light carried within the frame, translucent inclosing members carried by the frame for diffusing light from the source enclosed therewithin, and a translucent horn arranged within the cabinet and extending through one of the translucent enclosing members.

2. A cabinet for sound reproducing machines comprising a frame having horizontal and vertical frame elements, a source of light carried within the frame, translucent enclosing members carried by the frame for diffusing light radiating from the source enclosed therewithin, one of the enclosing members provided with an opening, and a translucent horn arranged within the cabinet and extending through the opening in the enclosing member.

3. A cabinet for sound reproducing machines comprising a frame divided into upper and lower compartments, translucent enclosing members carried by the frame, the upper compartment adapted for the reception of the sound reproducing machine, an opaque container disposed in the lower compartment in spaced relationship to the translucent walls or enclosing members, a translucent horn arranged in the upper compartment, an illuminating apparatus associated with the sound reproducing machine whereby to cause the translucent enclosing members to glow or radiate light.

4. A cabinet for sound reproducing machines comprising a frame divided into upper and lower compartments, translucent enclosing members carried by the frame, a translucent cover hingedly connected with the frame, an opaque container disposed in the lower compartment, and means whereby the space beneath the cover and the interior of the upper and lower compartments are illuminated to cause the cabinet to glow or radiate light.

5. A cabinet for sound reproducing machines comprising semi-transparent sides, top and cover, a translucent horn arranged within the cabinet, a source of illumination, and means for changing the hue of the cabinet and horn whereby to afford an object of pleasing and changeful appearance.

6. A cabinet for sound reproducing machines comprising a translucent horn arranged therewithin and projected through the front thereof, a source of illumination within the cabinet, and mechanical means carried within the cabinet for varying the color and hue of the light rays to change the appearance of the cabinet and the horn.

7. A cabinet for sound reproducing machines comprising semi-transparent sides, top and cover, a translucent horn arranged within the cabinet, an opaque partition provided with an aperture and dividing the cabinet into upper and lower sections, and means adjacent the aperture in the partition for changing the hue of the cabinet and horn whereby to afford an object of pleasing and changeful appearance.

In testimony whereof, I affix my signature hereto.

EARL H. FOLEY.