

June 19, 1923.

1,459,000

W. A. SOMMERHOF

PHONOGRAPH CABINET

Filed Sept. 8, 1919

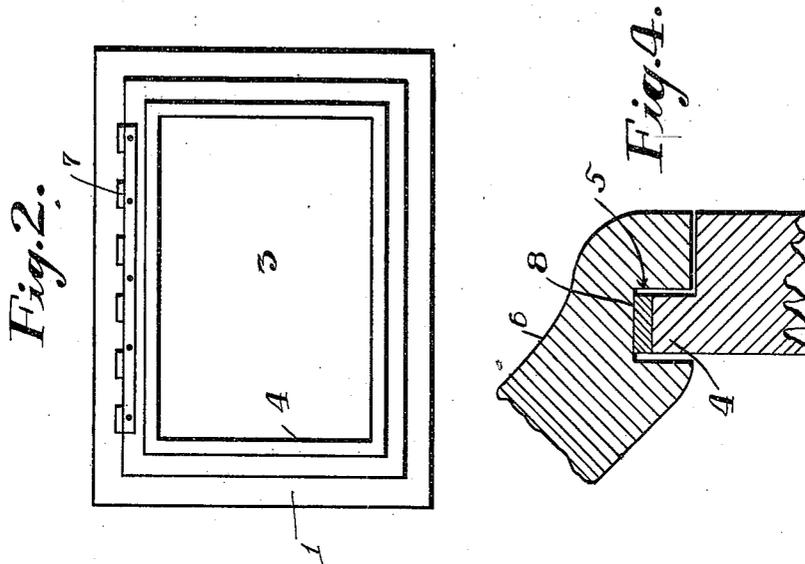


Fig. 1.

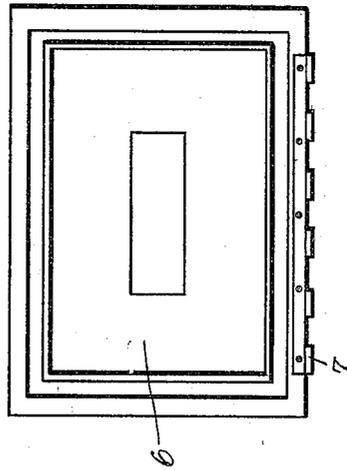
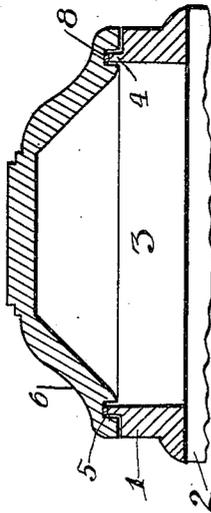


Fig. 3.

Witness

R. J. Smith

W. A. Sommerhof

Inventor

By *C. A. Snow & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM A. SOMMERHOF, OF ERIE, PENNSYLVANIA.

PHONOGRAPH CABINET.

Application filed September 8, 1919. Serial No. 322,266.

To all whom it may concern:

Be it known that I, WILLIAM A. SOMMERHOF, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented a new and useful Phonograph Cabinet, of which the following is a specification.

This invention relates to cabinets for phonographs. One of its objects is to provide a novel sealing arrangement whereby the compartment containing the tone arm and the record, is rendered soundproof so that practically all noise resulting from the frictional engagement of the parts is eliminated.

A further object is to provide sealing means which are simple and efficient and in no way detract from the appearance of the cabinet of the phonograph.

With the foregoing and other objects in view the invention consists in certain novel details of construction in combinations of parts which will hereinafter be more fully described and pointed out in the claims, it being understood that various changes may be made in the construction and arrangements of the parts without departing from the spirit of the invention.

In the accompanying drawing the preferred form of the invention has been shown.

In said drawing:—

Figure 1 is a vertical section through the upper portion of the cabinet of a phonograph and showing the hinged cover closed and sealed.

Figure 2 is a top view of the cabinet with the cover removed.

Figure 3 is a bottom plan view of the cover.

Figure 4 is an enlarged section through the cooperating sealing means.

Referring to the figures by characters of reference 1 designates a flange secured on the top of the cabinet 2 and extending continuously around the compartment 3 at the top of the cabinet and which compartment is adapted to hold the tone arm and the rotating records, (not shown). Extending along the top of the flange 1 is a continuous rib 4. This rib is adapted to project into a continuous groove 5 formed in the lower edge of the cover 6 and which cover can be connected to the flange 1 by a hinge 7. Secured in this groove 6 is a strip 8 of felt or other soft material adapted, when the cover is closed, to rest on the rib 4 and thus

completely seal the compartment 3 and prevent the escape of sound from the compartment.

It has been the practice heretofore to support the covers of phonographs on felt washers and the like but no means has been provided for sealing the connection between the cover and the cabinet so as to eliminate objectionable noises. The device covered by this application constitutes an efficient sealing means, allows the cover to be closed noiselessly and does not detract from the appearance of the cabinet but, on the contrary, adds to the appearance thereof, especially if a colored felt is used in the groove 5. By having the felt in the groove it cannot be torn out of position and the rib 4, by projecting into the groove, holds the cover properly centered when closed and relieves the hinge 7 from possible distortion. It will be noted that the walls of the groove 5 are spaced from the faces of the rib 4. Thus the cover 6 can be raised and lowered without frictionally engaging the rib and, consequently, there will be no sticking together of the parts.

What is claimed is:—

1. The combination with a phonograph cabinet and a cover thereon, of continuous interfitting sealing portion upon the cabinet and the cover for sealing the compartment closed by the cover, the side walls of said interfitting portions being parallel and spaced apart, and a continuous strip of soft packing material secured within the cover and adapted to bear on the sealing means upon the cabinet.

2. The combination with a phonograph cabinet having a continuous upstanding rib thereon, of a cover having a continuous groove therein adapted to receive the rib when the cover is closed, the walls of the groove being parallel and the walls of the rib, when seated in the groove, being parallel with but spaced from the walls of the groove, and a soft strip of sealing material secured within the groove and adapted to bear upon the rib projecting into the cover.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM A. SOMMERHOF.

Witnesses:

WILLIAM FERGUSON,
ALBERT SOMMERHOF.