F. CIRELLI.

LID SUPPORTING MEMBER.

APPLICATION FILED AUG. 27, 1917.

1,306,846.

Patented June 17, 1919.

FIG. 1.

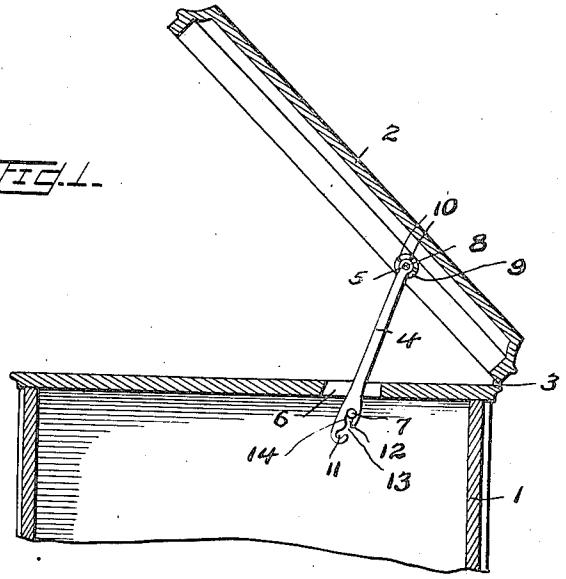


FIG. 2.

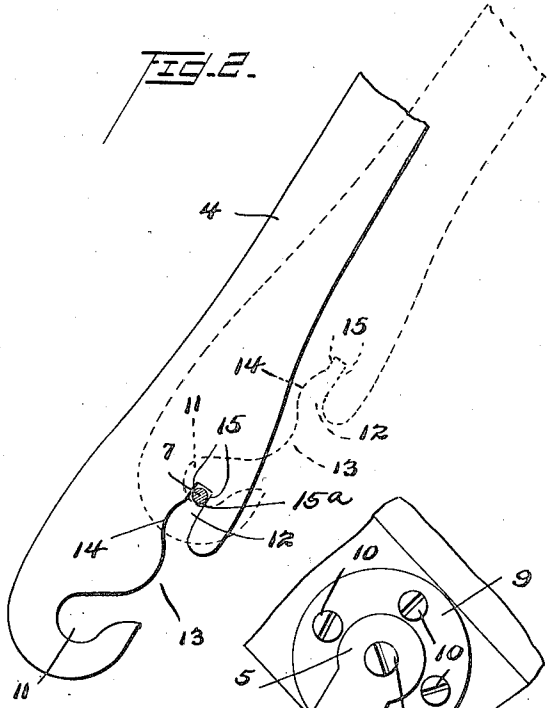


FIG. 3.

FIG. 4.



Witness

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FRANCESCO CIRELLI, OF PHILADELPHIA, PENNSYLVANIA.

LID-SUPPORTING MEMBER.

1,306,846. Specification of Letters Patent. Patented June 17, 1919.

Application filed August 27, 1917. Serial No. 188,539.

To all whom it may concern:

Be it known that I, FRANCESCO CIRELLI, a subject of the King of Italy, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Lid-Supporting Members, of which the following is a specification.

My invention relates to improvements in lid supporting members, the object of the invention being to provide a device of the character stated which securely holds the lid or cover in an elevated position and which prevents any possibility of accidentally dropping the lid or cover when the supporting member is moved.

Heretofore various forms of lid supporting members have been used, which if accidentally moved either by a blow or by a touch, will allow the lid or cover to fall. This is not only injurious to the lid or cover but also is dangerous and particularly to the hands of children or adults who may accidentally touch the supporting member.

My improved device is particularly adapted for use in connection with sound reproducing machines and is intended to hold the lid or cover in an open position and also limit the opening movement of the lid or cover.

With these and other objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawing:

Figure 1 is a fragmentary view in vertical section illustrating my improvements.

Fig. 2 is a view of one end of the supporting member, showing in full lines one position, and in dotted lines another position.

Fig. 3 is an enlarged view of the opposite end of the supporting member and

Fig. 4 is an edge view of the supporting member.

1 represents the casing or cabinet of a sound reproducing machine, and 2 the lid or cover connected to the casing or cabinet by a hinge 3.

4 represents my improved supporting member which is pivotally connected at one end as shown at 5, to the lid or cover 2, and at its other end projects through a slot 6, in casing 1, and engages a fixed pin 7, as will be hereinafter explained.

The pivoted end 5, of member 4, is preferably connected by a screw 8 which extends through the perforated end of the member and is screwed into a disk 9, the latter secured by screws 10, to the lid or cover 2.

Member 4, has a free pivotal movement on the screw 8, and is maintained by gravity in engagement with the pin 7.

The lower end of the member 4, is provided, in one edge, with two recesses 11 and 12, respectively, both of which have a common entrance or mouth 13.

The recess 11 is in the extreme lower end of member 4 and receives pin 7, as the lid 2 is elevated and operates to limit the upward movement of the lid as indicated by the dotted line position of Fig. 2. When in this position the lid should be lowered slightly and the member 4 will move downwardly, positioning the pin 7 in the recess 12.

The shape of the recess 12 forms an important part of my invention, as will be understood by the following description. The entrance end of the recess 12 has an inwardly curved wall 14. This wall 14 leads inwardly from the mouth 13 and joins, near the extreme inner end of the recess 12, one of two straight parallel walls 15. These walls 15 and the innermost end of the recess 12 form a pocket 15^a to receive the pin 7. The space between the walls 15 is just sufficient to receive the pin. In other words, the diameter or thickness of the pin is substantially equal to the space between the straight parallel walls 15. Thus when the pin is within the pocket 15^a, lateral or pivotal movement of the member 4 is prevented. Hence, when the lid is being supported by the member 4, no amount of accidental movement can dislodge the member 4 from the pin 7.

It will be understood that when the pin 7 is within the pocket 15^a that the member 4 is devoid of pivotal movement for the reason that said member 4 is pivotally connected by the screw 8 to the lid or cover 2.

In order to lower the lid or cover 2, it is necessary first to elevate the same until the member 4 moves upwardly far enough to position the pin 7 in the entrance or mouth 13 of the two recesses, when the member 4 can be pivoted slightly, and while thus held the lid 2 can be lowered.

I would have it understood that the member 4 moves by gravity so that the recesses 11 and 12, in turn, receive the pin 7 as above

explained. Hence it is simply necessary to elevate the lid when the member 4 will perform first, the function of limiting the open movement of the lid or cover, and next operate to securely hold and lock the lid or cover, preventing any possibility of accidental falling of the lid or cover.

Various slight changes may be made in the general form and arrangement of parts described without departing from my invention and hence I do not limit myself to the precise details set forth but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. The combination of a supporting structure; a lid hinged to said supporting structure; a pin fixed on said supporting structure; and a supporting member pivoted to said lid, said supporting member having an entrance or mouth and two recesses formed in one of its edges, said recesses being oppositely disposed and leading inwardly from said mouth whereby the mouth is common to both recesses and so that said pin can be positioned in either of said recesses after said mouth has moved over said pin, one of said recesses having, at its end nearest said pivotal connection of the supporting member with the lid, a pocket into which said pin can fit, said pocket including two parallel side walls spaced apart a distance substantially equal to the thickness of said pin, whereby the pin when said supporting member is in its supporting position for the lid, will prevent accidental movement of said member on its pivot, substantially as described.

2. The combination of a supporting structure; a lid hinged to said supporting structure; a pin fixed on said supporting structure; and a supporting member pivoted to said lid, said supporting member having an entrance or mouth and two recesses formed in one of its edges, said recesses being oppositely disposed and leading inwardly from said mouth whereby the mouth is common to both recesses and so that said pin can be positioned in either of said recesses after said mouth has moved over said pin, one of said recesses having, at its end nearest said pivotal connection of the supporting member with the lid, a pocket into which said pin can fit, said pocket including two parallel side walls spaced apart a distance substantially equal to the thickness of said pin, whereby the pin when said supporting member is in its supporting position for the lid, will prevent accidental movement of said member on its pivot, said latter mentioned recess also including a curved wall joining the inner one of said parallel walls of the pocket and being disposed opposite a portion of the length of the other of said parallel walls, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANCESCO CIRELLI.

Witnesses:
KATHRYN A. SUMMERS,
AGNES M. COTTER.