Aug. 17, 1926.

1,596,495

F. J. LA LONDE

CYMBAL HOLDER

Filed August 7, 1925

FIG. 1.

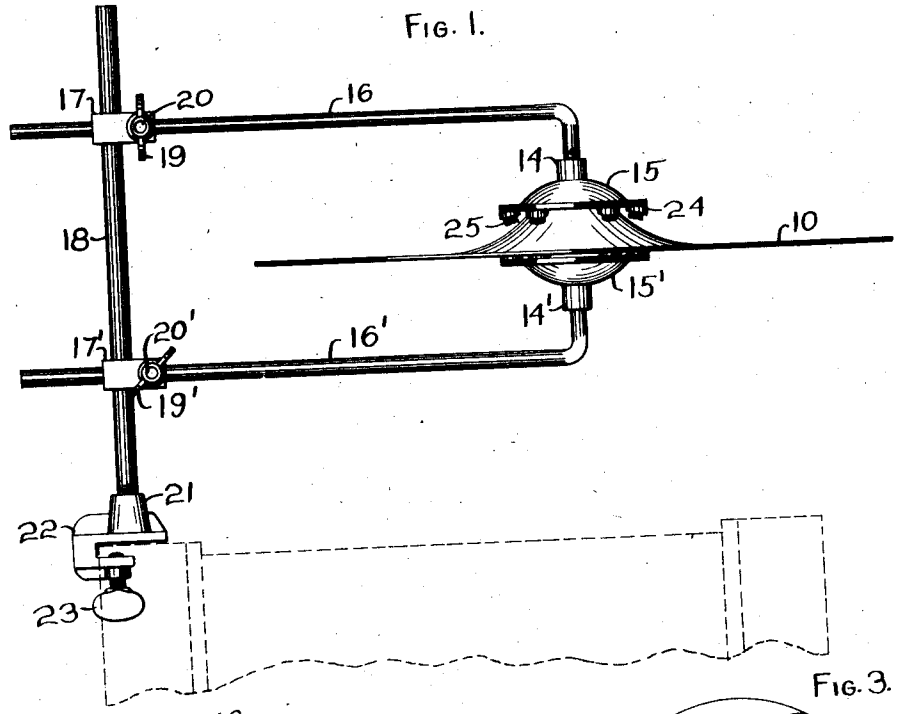


FIG. 2.

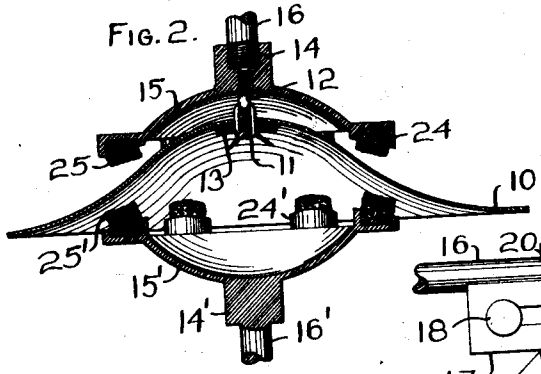


FIG. 3.

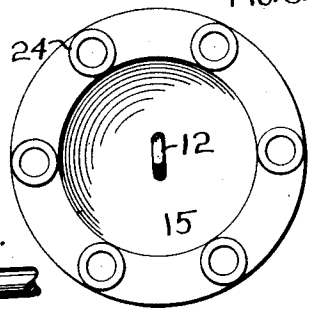


FIG. 4.

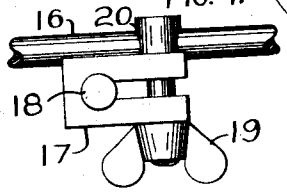
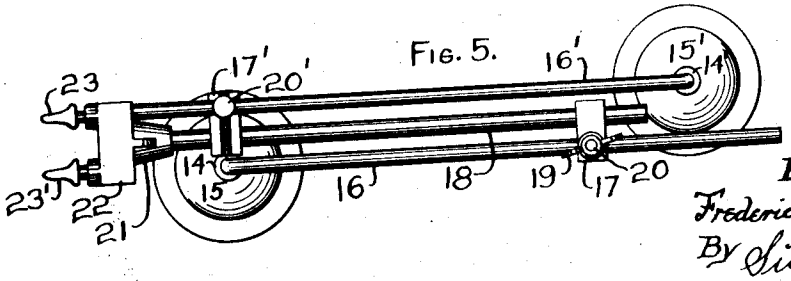


FIG. 5.



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UNITED STATES PATENT OFFICE.

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CYMBAL HOLDER.

Application filed August 7, 1925. Serial No. 48,803.

An object of this invention is to provide a cymbal holder for attachment to a drum or similar object.

A further object of this invention is to provide a cymbal holder which prevents the cymbal from swaying unduly when struck.

A further object of this invention is to provide a cymbal holder which has a wide range of adjustment as to position.

A further object of this invention is to provide a cymbal holder which embodies a downwardly opening resonating member above the cymbal.

A further object of this invention is to provide a cymbal holder which embodies an upwardly opening resonating member below the cymbal.

A further object of this invention is to provide a cymbal holder in which the upper resonating member carries an attaching element for the cymbal.

A further object of this invention is to provide a resonating member for a cymbal holder, which contains steadying and muting elements.

A further object of this invention is to provide a cymbal holder in which the resonating members are adjustable to either amplify or mute the resonance of the cymbal.

A further object of this invention is to provide a cymbal holder in which the upper resonating member, together with the attached cymbal may be detached from its supporting arm.

A further object of this invention is to provide a cymbal holder in which the supporting arms for the resonating members are vertically, circumferentially and radially adjustable with respect to a common vertical supporting post.

A further object of this invention is to provide a cymbal holder embodying compound clamps for the adjustable attachment of the resonator supporting arms to the vertical post.

A further object of this invention is to provide a cymbal holder embodying a removable clamp for the attachment of the vertical supporting post to the rim or hoop of a drum, or other ledge.

A further object of this invention is to provide a cymbal holder which is easily foldable into compact form.

My invention consists in the construction, arrangement and combination of elements hereinafter set forth, pointed out in the claims and illustrated by the accompanying drawing, in which—

Figure 1 is a side elevation of my cymbal holder clamped on the rim of a bass drum, with the cymbal in place, ready for use; Figure 2 is a sectional elevation of the resonating and supporting members or cups and the cymbal, showing their relation to each other; Figure 3 is a bottom plan view of the upper resonating cup and cymbal-supporting element; Figure 4 is a plan view of one of the compound clamps which attach the horizontal supporting arms to the vertical supporting post; Figure 5 is a view of my improved cymbal holder in its folded position.

In the drawing, the numeral 10 indicates the cymbal, supported by means of a thong 11 which passes through holes in the crown of the cymbal and a loop or screw-eye 12 in the supporting means, being tied beneath the crown of the cymbal 10 and protected from chafing by means of a washer 13, preferably of some soft material.

The threaded portion of the screw-eye 12 engages threads in the hub 14 of a resonating member or cup 15. An extension of the hub 14 is adapted for screw-threaded engagement with the downwardly-bent portion of a supporting arm 16, the main portion of the arm 16 extending in a substantially horizontal direction and passing through one member of the compound clamp 17.

The compound clamp 17, as shown in Figure 4, is adapted for the simultaneous engagement of the arm 16 and a vertical supporting post 18, by the tightening of a single wing-nut 19 on the clamp-screw 20, which passes transversely through a split portion of the clamp 17. The enlarged head of the clamp-screw 20 is transversely perforated as shown, the supporting arm 16 being inserted through this perforation and guided by a channel in one side of the clamp body.

The tightening of the wing-nut 19 against the opposite side of the clamp body causes the split portion of the body to contract and firmly engage the vertical post 18, at the same time causing the perforated head of the clamp-screw 20 to retract and hold the supporting arm 16 tightly against the side of the clamp body.

The lower end of the vertical post 18 is screw-threaded into an upwardly-extending boss 21 on the upper side of a horizontal U-shaped clamp 22. The clamp 22 is adapted to engage and be supported by a convenient ledge, the rim of a bass drum usually serving this purpose, as shown by dotted lines in Figure 1.

The lower side of the clamp 22 is shorter than the upper side and is fitted with two clamp-screws 23, 23′, which are adapted to engage with the under side of and fasten the clamp 22 to its supporting ledge.

The resonating member 15 is a circular concave cup with a radially extending rim surrounding its periphery. This rim is formed with a plurality of downwardly extending hollow bosses or sockets 24, into which are pressed or otherwise fastened the pads 25, preferably of felt or other fibrous material. When the cup 15 is to be used as a resonating member, the thong 11 is tied somewhat loosely, permitting the cymbal 10 to hang below and out of contact with the pads 25. When the edge of the cymbal is struck, the pads 25 prevent any extensive movement, without diminishing its resonance, while the cup 15 acts as a resonator and amplifies the tone of the cymbal.

When it is desired to use the cup 15 as a mute, the thong 11 is tied tightly, holding the cymbal 10 in close contact with the pads 25, which then act to diminish the intensity of and rapidly damp out the resonance of the cymbal 10.

An additional resonating member or cup 15′ may also be used when desirable. It is similar in form to the cup 15, and is inverted beneath the crown of the cymbal, its pads 25′ extending in an upward direction, as clearly shown in Figure 2. The cup 15′ is formed with a downwardly-extending boss 14′ which is firmly affixed to the upwardly-bent portion of the supporting arm 16′, the principal portion of which extends horizontally through the compound clamp 17′. The clamp 17′ is a duplicate of the clamp 17 and clamps the arm 16′ to the post 18, below and in a manner identical with that in which the arm 16 is clamped.

Figures 1 and 2 show the cups 15 and 15′ in position to resonate or amplify the tone of the cymbal 10. By moving the cymbal 10 upward into contact with the pads 25 of the cup 15 as before described, its tone is muted to a degree. By loosening the wing-nut 19′ of the clamp-screw 20′ of the clamp 17′, the clamp 17′, the supporting arm 16′ and the cup 15′ may be moved upward along the vertical post 18 bringing the pads 25′ into contact with the cymbal 10 thus muting the tone of the cymbal 10 as desired, or the cup 15′ may be removed entirely.

The construction of the cymbal holder as above set forth permits compact folding of the device as shown in Figure 5, thus facilitating transporting, packing and handling when removal or change of location of the device is indicated. Of great convenience to the operator is the provision for removing the cup 15 from the supporting arm 16, thus avoiding the necessity of readjusting the cymbal relative to the resonating member when any dismounting of the cymbal is desired.

I claim as my invention—

1. In a cymbal holder adapted for attachment to a drum or similar object, the combination of an attachment element, a vertical supporting post, a horizontal supporting arm and an adjustable clamp uniting said horizontal arm with said vertical post, together with adjustable means for suspending a cymbal from the outer end of said horizontal arm and an element suspended from the outer end of said horizontal arm above said cymbal to minimize swaying of the cymbal when struck, without materially diminishing its resonance.

2. In a device of the class described, an attaching clamp, a vertical post, an adjusting clamp, a horizontal arm, a cymbal and adjustable means for supporting said cymbal from said horizontal arm, together with a member suspended over said cymbal and supported by said horizontal arm, adapted to steady said cymbal against swaying and to amplify the resonance thereof when said supporting means is adjusted relatively loosely, and to steady said cymbal against swaying and to mute the resonance thereof when said supporting means is adjusted relatively tightly.

3. A device of the class described comprising an attaching clamp, a vertical post, a horizontal arm, cymbal-supporting means depending from said horizontal arm and a resonating member depending from said horizontal arm, together with a compound clamp having one portion adapted to engage said vertical post, another portion adapted to engage said horizontal arm and means operable from a single element adapted to simultaneously engage or disengage said vertical post and said horizontal arm.

4. A device of the class described comprising an attaching clamp, a vertical post, a horizontal arm, cymbal-supporting means depending from said horizontal arm, and a resonating member depending from said horizontal arm above the cymbal, together with a split clamp-body adapted to surround said vertical post, a transverse clamp-screw having a head portion perforated for the engagement of said horizontal arm and a threaded portion adapted to engage a nut, and a nut therefor, the construction of the whole being such that the advancing of said nut along the threaded portion of said screw acts to simultaneously retract the head por-

tion of said screw into the body portion of said clamp, and contract the split body portion of said clamp.

5. A device of the class described comprising an attaching clamp, a vertical post, a compound clamp, a horizontal arm, cymbal-supporting means suspended from said horizontal arm, a downwardly-opening resonating member suspended from said horizontal arm above the cymbal and steadying and muting elements affixed to said resonating member, together with a second compound clamp and horizontal arm, an upwardly-opening resonating member supported on said second horizontal arm beneath the cymbal, and additional steadying and muting elements affixed to said second resonating member.

6. A device of the class described comprising an attaching clamp, a vertical post, a plurality of horizontal arms, cymbal-supporting means depending from the upper of said horizontal arms, a downwardly-opening resonating member comprising a spherical segment suspended from the upper horizontal arm above the cymbal, an upwardly-opening resonating member comprising a spherical segment supported on the lower horizontal arm below the cymbal, and radially-extending rims surrounding and affixed to said upper and lower resonating members, said rims containing means for steadying the cymbal and muting its resonance when desired.

7. In a device of the class described, a cymbal-steadying and resonating member comprising a bell of spherical segmental form, a radially-extending flange surrounding said bell, a plurality of hollow bosses or sockets affixed to said rim around the open side of said bell, and pads of felt or other resilient material affixed into and extending outwardly from said sockets.

Signed at Denver, in the county of Denver and State of Colorado, this twenty-fourth day of July, 1925.

FREDERICK J. LA LONDE.