

J. W. PEPPER.
BASS DRUM AND CYMBAL HOLDER AND BEATER.

APPLICATION FILED JAN. 30, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

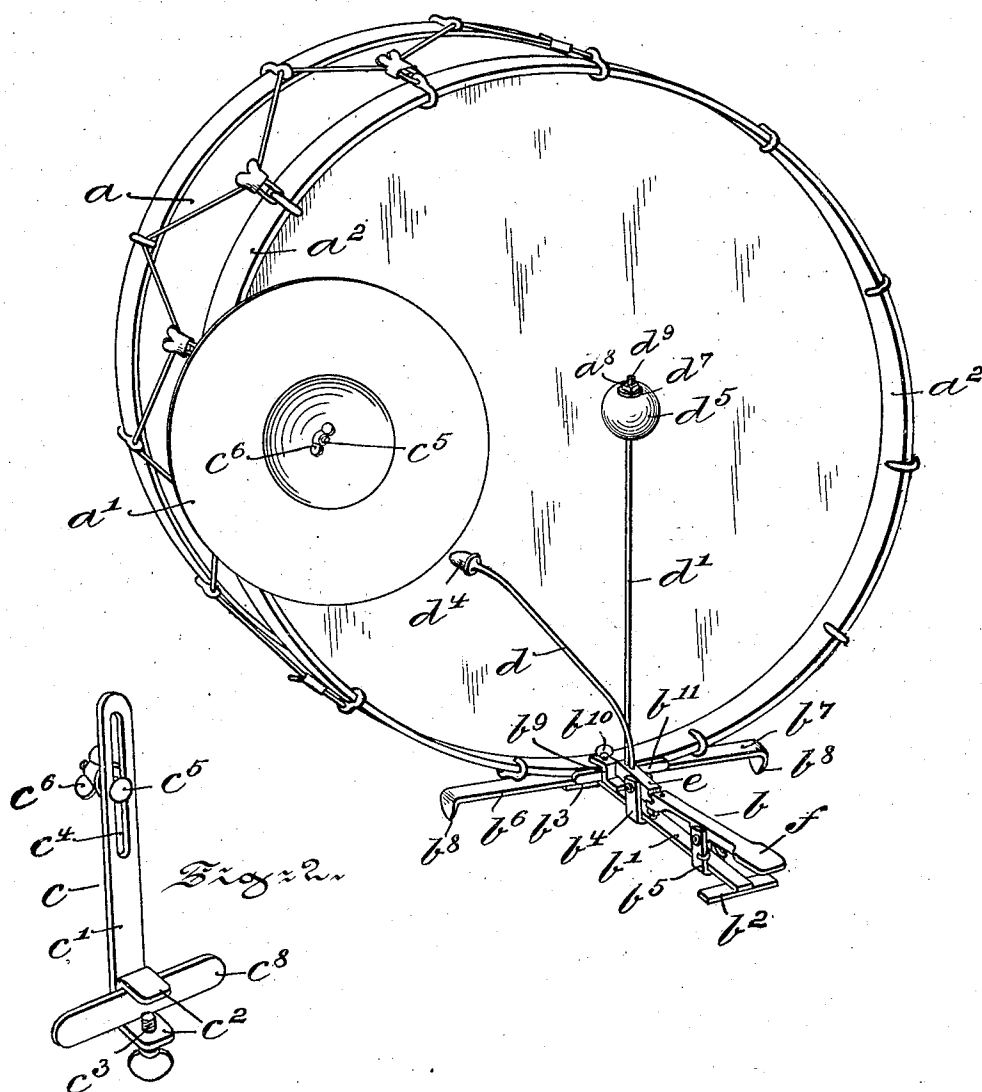


Fig. 2.

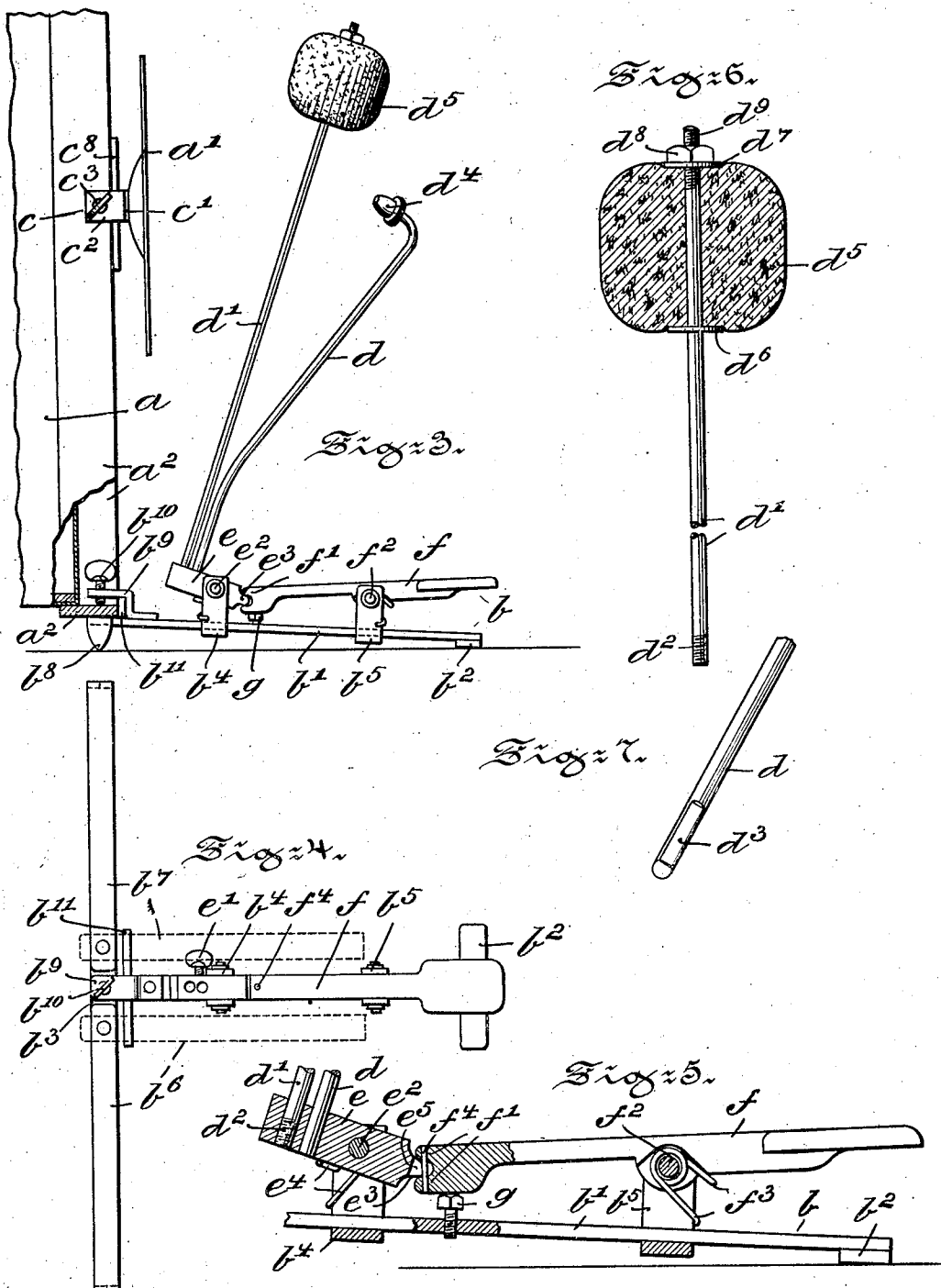
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

JAMES W. PEPPER, OF PHILADELPHIA, PENNSYLVANIA.

BASS-DRUM AND CYMBAL HOLDER AND BEATER.

No. 826,602.

Specification of Letters Patent.

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Application filed January 30, 1906. Serial No. 298,581.

To all whom it may concern:

Be it known that I, JAMES W. PEPPER, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Bass-Drum and Cymbal Holders and Beaters, of which the following is a specification.

My invention has relation to a bass-drum and cymbal holder and beater; and in such connection it relates more particularly to the construction and arrangement of the holder and beater.

The principal objects of my invention are, first, to provide a support for the drum, which may be folded into a small compass and which is adapted to prevent slipping and rolling of the drum in use; second, to provide the holder for a drum and cymbal with means adapted to prevent side movements of the same with respect to the holder; third, to provide a cymbal-support with means adapted to permit of the adjustment of the cymbal with respect to the drum; fourth, to provide the holder with a single support for the drum and cymbal beater to actuate the same singly or conjointly; fifth, to provide the drum and cymbal beater with means to permit of the ready connection and disconnection of the same to and from their common support; sixth, to provide the beater-support and its actuating-pedal with means adapted to prevent side movements of the pedal with respect to the beater-support; seventh, to provide the holder with means to regulate the extent of movement of the pedal, and thus the length of stroke of the beaters, and, eighth, to provide the beater for the striking-ball for the drum with means to permit of ready connection and disconnection of said ball to and from the beater.

The nature, characteristic features, and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a view illustrating in perspective a bass-drum and cymbal carried by the same, a holder occupying an operative or unfolded position supporting the drum and beaters, and means connected with the holder for preventing side movements of the drum on the holder, all embodying main features of my present invention. Fig. 2 is a

detail view, enlarged, illustrating in perspective a clamp for adjustably connecting the cymbal to the drum. Fig. 3 is a view illustrating in elevation the cymbal and a portion of the bass-drum, the holder for the drum and beaters, and means for actuating the beaters, certain portions of the drum being removed therefrom. Fig. 4 is a top or plan view of the holder shown in Fig. 3 with the beaters removed therefrom and also illustrating in dotted lines certain parts of the holder folded into an inoperative position. Fig. 5 is a detail view, enlarged, illustrating, partly in side elevation and partly in section, a portion of the holder. Fig. 6 is a similar view illustrating, partly in elevation and partly in section, the beater for the drum and the means for removably connecting the striking-ball with the beater and the beater with its support; and Fig. 7 is a similar view illustrating in perspective the lower end of the cymbal-beater.

Referring to the drawings, *a* represents a bass-drum, and *a'* a cymbal of the usual construction, which drum and cymbal when to be sounded by foot-power are held in an operative position upon a floor or other support by a holder *b*. The holder *b* to render the same strong and durable is preferably made of steel or other metal of appreciable resistance and consists of a base or bar *b'*, provided at its ends with cross-bars *b²* and *b³* and intermediate thereto with brackets *b⁴* and *b⁵*. However, the bars *b²* and *b³*, as well as brackets *b⁴* and *b⁵*, may be made integral with the bar *b'*, for which purpose the same may be provided with extensions, of which the intermediate ones when being struck up will readily form the brackets *b⁴* and *b⁵*. The cross-bar *b²* serves to support the bar *b'* at one end, while the bar *b³* by means of arms *b⁶* and *b⁷*, pivotally secured thereto, support the bar *b'* at its other end.

In order to firmly hold the holder *b* in position on a floor or other support, the arms *b⁶* and *b⁷* at their free ends are provided with downwardly projecting and tapering portions forming prongs *b⁸*, which by the weight of the holder and the drum *a*, resting thereon, slightly embed themselves into the floor or other support, and thus prevent the holder *b* from slipping thereon. The arms *b⁶* and *b⁷* when not serving their purpose as a support for the bar *b'* may be folded into an inoperative position, such as has been shown by dotted

lines in Fig. 4, in which position they lie parallel to the bar b' and require comparatively small room for storage, as well as permit in this position an easy handling or carrying of the holder. The bar b' , adjacent to the arms b^6 and b^7 , is provided with a bracket b^9 , which, in conjunction with the bar b and a set-screw or threaded bolt b^{10} , forms a clamp for the reception of the rim a^2 of the drum a . In addition to the bolt b^{10} the bracket b^9 is provided with a bar or shield b^{11} , offering a comparatively large bearing-surface for the rim a^2 of the drum a when the same is inserted in the clamp b^9 and is held into engagement with the bar b^{11} by the bolt b^{10} . The shield or bar b^{11} by bearing against the rim a^2 of the drum prevents the objectionable side movements of the same with respect to the holder b , which holder in turn by having a secure grip on the floor also prevents the slipping and rolling of the drum thereon.

As shown in Figs. 1 and 3, the drum a serves as the support for the cymbal a' , for which purpose to the rim a^2 thereof is secured a clamp c , consisting of a bar c' , provided with a bracket c^2 , which engages the rim a^2 from opposite sides and is held in position thereon by a set-screw or threaded bolt c^3 . In order to render the cymbal a' adjustable with respect to the drum a , the bar c' is provided with a slot c^4 , in which is slidably arranged a bolt c^5 , the threaded portion of which passes through the cymbal a' and is held in engagement therewith by a thumb-nut c^6 . By the loosening of the thumb-nut c^6 the bolt c^5 and the cymbal a' may be shifted to required position in the slot c^4 of the bar c' and securely locked to the same in this position by the thumb-nut c^6 . Any side movements of the bracket c and cymbal a' are effectually overcome by a bar or shield c^8 , secured to the bracket c^2 , which in operative position of the clamp c bears against the rim a^2 of the drum a , and thus by offering a comparatively large bearing-surface to the rim prevents side movements of the clamp c and of the cymbal a' , carried by the same. The cymbal a' may be thus shifted and held in a position in which the same produces the best sound when struck by the beater d , which, as well as the beater d' for the drum a , is removably fastened to a support e . As shown in Figs. 6 and 7, the beater d' for the drum a is provided with a threaded end d^2 , which is screwed into the support e , while the beater d for the cymbal a is preferably provided with a flattened or straight portion d^3 , which when inserted in the support e and engaged therein by a set-screw e' holds the striking-ball d^4 thereof in proper position with respect to the cymbal a , as will be readily understood in conjunction with Fig. 1. However, the beater for the cymbal may also be provided with a threaded end, if desired. The striking-

ball d^5 for the drum preferably consists of yielding material, which in order to permit of a ready removal and replacing of the same on the beater d' is made of cork or any other material which is sufficiently yielding and at the same time forms a solid or homogeneous body contrary to striking-balls hitherto employed made of rags or hair covered with leather. Such striking-balls require much time for their removal and great skill for their replacement, not possessed by the average musician. The preferred means for removably connecting the cork ball d^5 to the beater d' consists of a disk d^6 , rigidly secured thereto, and a washer d^7 , loosely mounted on the beater, which by means of a nut d^8 , engaging the threaded portion d^9 of the same, forces and holds the ball d^5 in engagement with the disk d^6 . By the removal of the nut d^8 and washer d^7 the ball d^5 can be quickly removed from the beater d' and replaced by another ball. The support e for the beaters d and d' is pivotally secured by a bolt e^2 to the bracket b^4 of the bar b' and is normally held in an oblique position therein by a spring e^4 . As shown in Figs. 3 and 5, in this oblique position of the support e the beaters d and d' , with their striking-balls d^4 and d^5 , are held a certain distance away from the drum a and cymbal a' . The striking-ball d^5 of the beater d' is held a certain distance in advance of the ball d^4 of the beater d to permit of the striking and sounding of the drum a by the ball d^5 independent of the striking and sounding of the cymbal a' by the ball d^4 of the beater d , if required. For this purpose the support e for both beaters is only slightly operated by a pedal or treadle f and when fully or normally operated brings both balls d^4 and d^5 of the beaters into engagement with the drum a and cymbal a' . Thus the necessity of dividing the support e and of providing two pedals for the independent operation of the beaters and of a third pedal for operating the same simultaneously is successfully overcome. The pedal or treadle f by means of a bolt f^2 is pivotally secured to the bracket b^5 of the bar b' and is held with its forked end f' by a spring f^3 in engagement with a bolt g , adjustably secured to the bar b' , as shown in Figs. 3 and 5. The forked end f' of the pedal engages a tongue e^3 of the support e , by means of which the movement of the pedal f is transmitted to the support e and by the same to the beaters d and d' and their respective striking-balls d^4 and d^5 . By the raising and lowering of the bolt g the angular position of the support e and pedal f can be changed, and thus the length of movement of the beaters d and d' may be increased or decreased at will. As the drum and cymbal generally occupy a position sidewise to the operator, the foot of the same, actuating the pedal f , has a tendency to shift the pedal in an oblique position with re-

spect to the support *e*. This side movement loosens the pedal *f* in the bracket *b*⁵, and when assuming a certain oblique position in a horizontal plane is brought out of engagement with the support *e*, thus rendering the beaters inoperative. This side movement of the pedal in the present instance is effectually prevented by a bolt *f*⁴, passing through the forked end *f*² of the pedal *f* and engaging the tongue *e*³, which for this purpose is provided with a slot *e*⁵, through which the bolt *f*⁴ passes. However, any other means may be employed for holding the pedal *f* and beater-support *e* in alinement with each other.

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a bass-drum and cymbal holder and beater, a holder having a bar, a cross-bar at each end of the same, a bracket carried by said bar for engaging and holding the drum and arms pivotally secured to one of the cross-bars on opposite sides of said bracket and adapted to be shifted into an inoperative position parallel to said bar and into an operative position at right angles to said bar to support the drum.

2. In a bass-drum and cymbal holder and beater, a holder having a bar, a cross-bar at one end of the same, a bracket carried by said bar and having a shield, said bracket and shield arranged to engage and hold the drum and arms pivotally secured to said cross-bar and adapted to be shifted into a position parallel to said bar and to assist in the support of the drum, when occupying a position, at right angles to said bar.

3. In a bass-drum and cymbal holder and beater, a holder having a bar, a cross-bar at one end of the same, a bracket carried by said bar for engaging and holding the drum, arms pivotally secured to said cross-bar, means for supporting and holding the beaters carried by said bar, a pedal for actuating said supporting means and by the same said beaters, and a bolt carried by said bar to limit the movement of the pedal and thereby said supporting means and beaters.

4. In a bass-drum and cymbal holder and beater, a holder having a bar, a cross-bar at one end of the same, a bracket carried by said bar for engaging and holding the drum, arms pivotally secured to said cross-bar, a support for a beater carried by said bar and having a tongue, a pedal carried by said bracket having a forked end adapted to engage the tongue of said support and means adapted to prevent sidewise movement of the tongue of said pedal.

5. In a bass-drum and cymbal holder and beater, a holder having a bar, a cross-bar at one end of the same, a bracket carried by said bar for engaging and holding the drum, arms pivotally secured to said cross-bar, a

support for a beater carried by said bar and having a tongue, a pedal carried by said bracket having a forked end adapted to engage the tongue of said support, means for preventing sidewise movement of the tongue of said pedal, and a bolt carried by said bar to limit the movement of said pedal and support in one direction.

6. In a bass-drum and cymbal holder and beater, a holder having a bar, a cross-bar at one end of the same, a bracket carried by said bar, a shield carried by said bracket, arms pivotally secured to said cross-bar, said arms, shield and bracket cooperating to support the drum on said bar, a clamp having a shield, said clamp and shield arranged to engage said drum, and means slidably arranged in said clamp for adjustably connecting the cymbal thereto.

7. In a bass-drum and cymbal holder and beater, a holder having a bar, a cross-bar at one end of the same, a bracket carried by said bar for engaging and holding the drum, arms pivotally secured to said cross-bar, a shield carried by said bracket and bearing against the drum to prevent movement of the same on said bar, a support for beaters, a pedal for operating the said support and thereby said beaters, a bolt carried by said bar for limiting the movement of said support and pedal in one direction, a clamp having a shield engaging said drum to prevent sidewise movements of the cymbal and a bolt slidably arranged in said clamp for connecting the cymbal thereto and arranged to permit of the adjustment of said cymbal with respect to said drum.

8. In a bass-drum and cymbal holder and beater, a holder having a bar, a cross-bar at one end of the same, a bracket carried by said bar for engaging and holding the drum, arms pivotally secured to said cross-bar and adapted to be shifted into an inoperative position parallel to said bar and to assist in the support of the drum, when occupying an operative position, at right angles to said bar, a shield carried by said bracket for holding said drum in a fixed position with respect to said bar, a support for beaters and a pedal for operating the same, carried by said bar, a bolt carried by said bar, for limiting the movement of said support and pedal in one direction, a clamp having a shield adapted to engage said drum, a bolt slidably arranged in said clamp for connecting the cymbal thereto and arranged to permit of the adjustment of said cymbal with respect to said drum, and said shield arranged to hold said clamp in a fixed position, with respect to said drum.

9. In a bass-drum and cymbal holder and beater, a holder having a bar, a cross-bar at one end of the same, a bracket for engaging and holding the drum, arms pivotally con-

nected to said cross-bar, a support for a
beater carried by said bar and having a
tongue, a pedal having a forked end adapted
to engage the tongue of said support and
5 means carried by said bar to limit the move-
ment of said support and pedal, in one direc-
tion.

In testimony whereof I have hereunto set
my signature in the presence of two subscrib-
ing witnesses.

JAMES W. PEPPER.

Witnesses:

J. WALTER DOUGLASS,
THOMAS M. SMITH.