Dec. 13, 1938. P. A. LAFFEY 2,140,429

GLOCKENSPIEL ATTACHMENT

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Fig. 1.

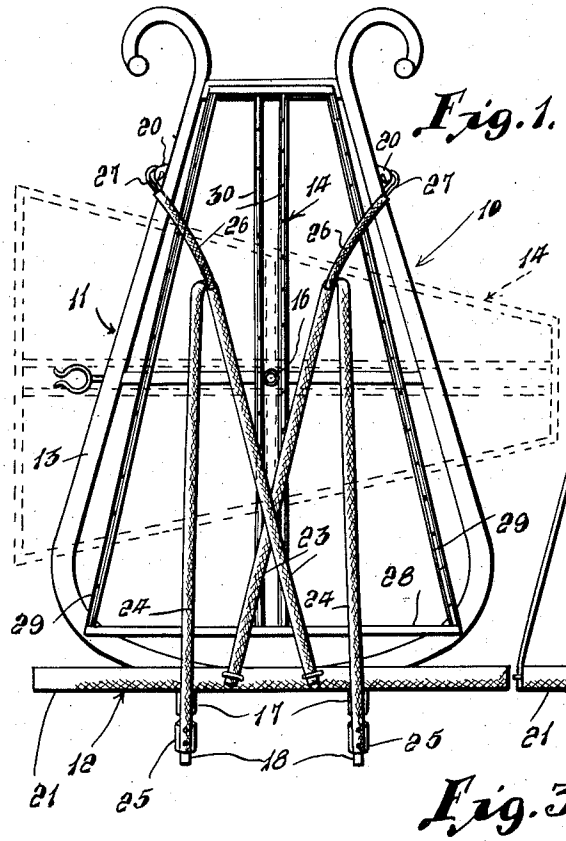


Fig. 2.

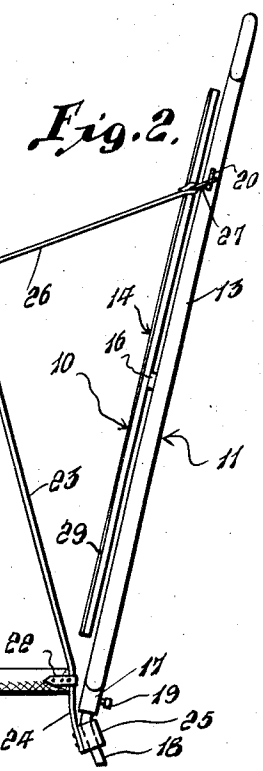


Fig. 3.

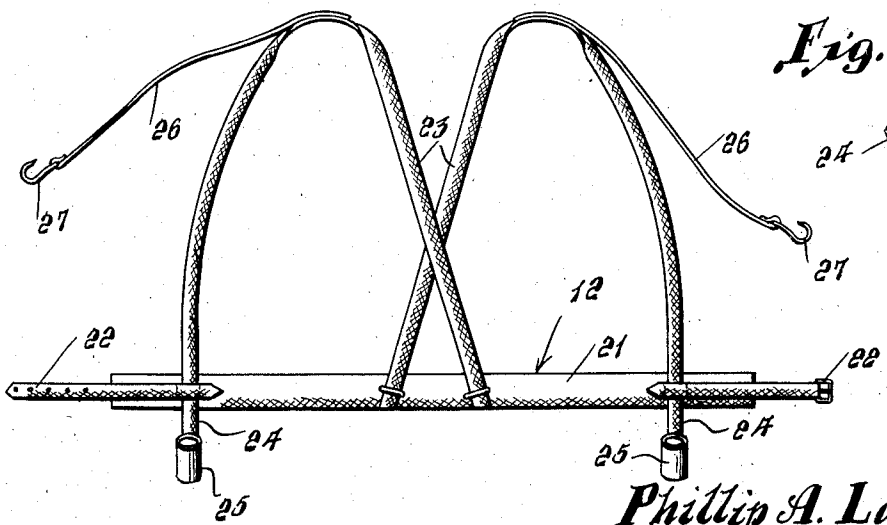
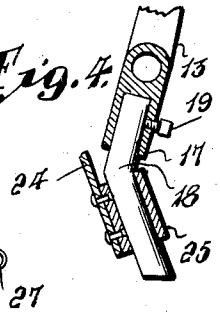


Fig. 4.



Inventor

Phillip A. Laffey

By L. F. Randolph

Attorney

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Fig. 5.

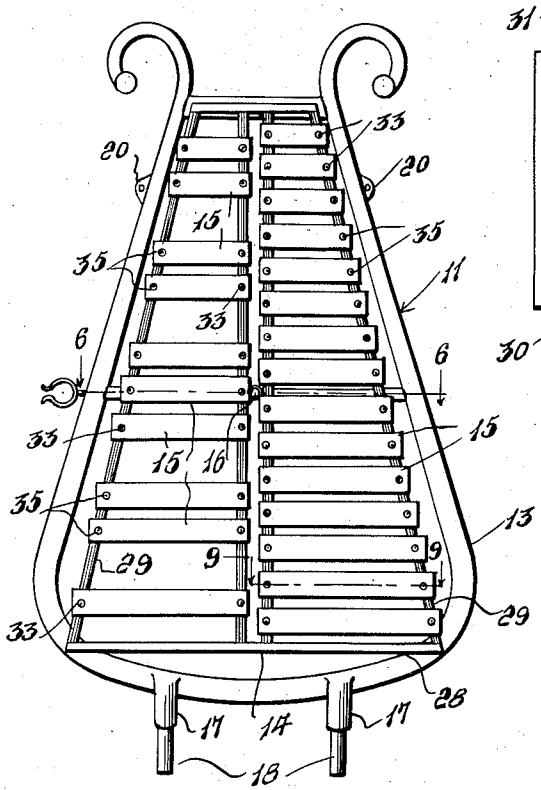


Fig. 7.

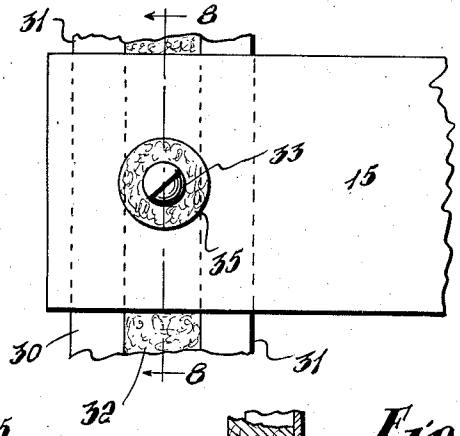


Fig. 8.

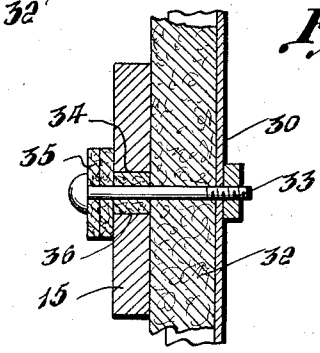
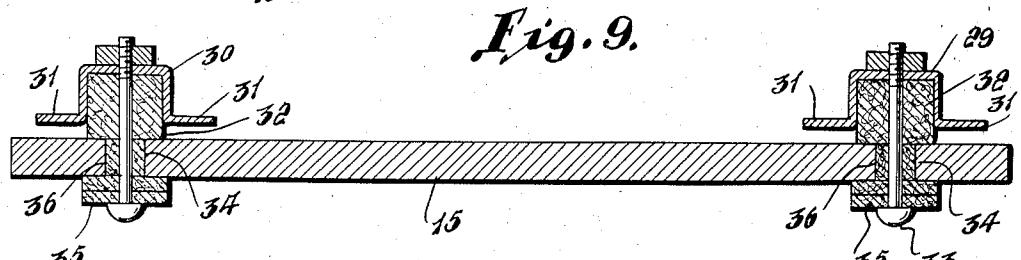


Fig. 9.



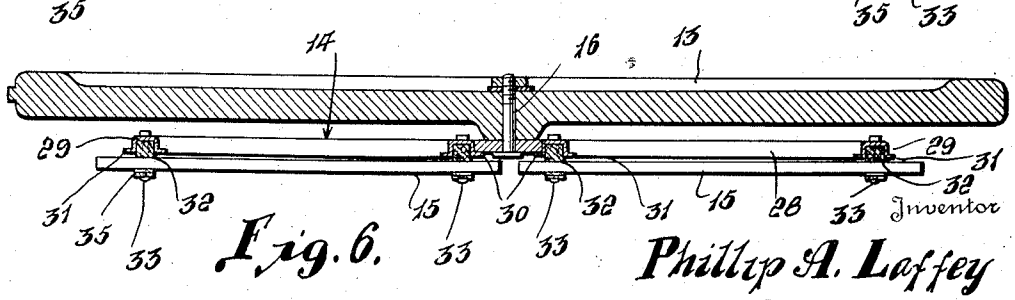


Fig. 6.

Inventor

Phillip A. Laffey

By L. F. Randolph

Attorney

Patented Dec. 13, 1938 2,140,429

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GLOCKENSPIEL ATTACHMENT

Phillip Andrew Laffey, Oshkosh, Wis.

Application January 27, 1938, Serial No. 187,271

7 Claims. (Cl. 84—403)

This invention relates to an attachment for glockenspiels to adapt the instrument for use in bands.

It is an object of this invention to provide means whereby a glockenspiel can be supported and maintained in an upright position while marching so that the musician may use both of his hands in playing the instrument.

Another object of the invention is to so mount the sounding bars that they may be angularly adjusted relatively to the frame to a position most convenient to the musician for playing when the instrument is supported in substantially a vertical position.

Various other objects and advantages of the invention will become apparent from the more detailed description of the invention to follow and from the drawings which illustrate a preferred form of the invention, and wherein:—

Figure 1 is a front elevational view of a glockenspiel provided with the attachments adapting it for use in a marching band,

Figure 2 is a side elevational view of the same,

Figure 3 is an elevational view of the harness, shown in Figures 1 and 2, forming the supporting means for the instrument,

Figure 4 is an enlarged fragmentary vertical sectional view, partly in elevation, showing one of the two lower attaching means which support the weight of the instrument,

Figure 5 is an elevational view of the glockenspiel with the harness removed,

Figure 6 is a cross sectional view taken on the line 6—6 of Figure 5,

Figure 7 is an enlarged fragmentary view in elevation of one end of one of the sounding bars shown secured in position,

Figure 8 is a cross sectional view of the same on the line 8—8 of Figure 7, and

Figure 9 is an enlarged horizontal sectional view on the line 9—9 of Figure 5.

Referring more particularly to the drawings wherein like reference characters, in the different views, indicate like or corresponding parts, 10 designates generally the invention in its entirety as seen in Figures 1 and 2 and including the glockenspiel designated generally 11 and the harness 12 attached thereto and adapted to be worn by the musician to support the instrument.

The glockenspiel has quite recently come into use as a piece in bands. It is conventionally played with two hammers one held in each hand. When used in bands it is carried by a handle secured to the frame, so that one of the player's hands is thus occupied, resulting in the instrument being played with but one hand. The present invention supports the instrument so that it can be played with both hands as intended.

The glockenspiel 11, as best seen in Figure 5, is an instrument of the percussion type comprising the frame 13, generally referred to as a lyre frame; the sounding bar support 14; and the metal bars 15, arranged into rows on the support 14 and tuned to the chromatic scale. These parts 13, 14 and 15 are of conventional shape, but the support 14 is modified in construction to better adapt it to the use intended by this invention.

Instead of being permanently and rigidly secured to frame 13, the support 14 is removably and pivotally mounted by means of the nut and bolt 16, as seen in Figure 6 arranged centrally of frame 13 and support 14 so that by loosening fastening 16 support 14 can be adjusted angularly relatively to frame 13 as indicated by its dotted line position in Figure 1.

The frame 13 has the sockets 17 formed in its lower part, in spaced relationship, and extending downwardly. These sockets 17 are adapted to receive the pegs 18 which are removably held therein by the clamping screws 19, as best seen in Figure 4. Frame 13 is also provided with the eyelets or apertured ears 20 formed in the sides of frame 13 and adjacent its top, which extend outwardly therefrom.

The harness 12, by which the glockenspiel 11 is supported, comprises a belt 21 having conventional fastening means 22 to attach it about the waist of the wearer, and the shoulder straps 23 secured at their ends to belt 21 and adapted to engage the shoulders of the wearer.

Belt 21 has a pair of hangers 24, preferably formed of a rigid material depending from the front part of the belt 21 and bent to extend outwardly therefrom. Secured to the free end and to the outer side of hangers 24 are the sockets 25. Secured to the intermediate portion of each of the shoulder straps 23 are the straps 26, which are mounted to extend forwardly, and which are provided at their free ends with hooks 27.

From the foregoing it will be obvious that when harness 12 is worn by the musician as heretofore described, the pegs 18 may be positioned in sockets 25 and the hooks 27 connected to eyelets 20 to support and maintain the glockenspiel 11 in substantially a vertical position in front of the musician so that both of his hands will be free to play the instrument. If desired, the support 14 can be adjusted to a position at an angle to frame 13, as seen in dotted lines in Figure 1,

to permit the instrument to be played more conveniently.

Referring now to Figures 6, 7, 8 and 9 the sounding bar support **14** comprises the end members **28**, the corresponding side members **29** and the corresponding parallel center members **30**, members **29** and **30** being connected at their ends to members **28**. The members **29** and **30** correspond in construction, being channel shaped in cross section and having the outwardly extending flanges **31**.

Disposed in the channel portion of members **29** and **30** are the strips of padding **32** which extend above these members and on which are mounted the sounding bars **15** which are held in position, spaced from members **29** and **30**, by the nuts and bolts **33** which extend through openings **34** in bars **15** and through padding **32** and members **29** and **30**, as best seen in Figure 9. Bars **15** are likewise held spaced from the fastenings **33** by padding **35** and **36**. Each of the sounding bars **15** is connected to one of the center members **30** and to one of the side members **29**, as heretofore described, and they are arranged in two rows with each bar **15** spaced from each of the other bars **15**. The padding **32**, **35** and **36** is provided so that the vibration of one or more of the bars **15** will not be transmitted to any of the other bars through members **29** and **30**. This construction is especially important with the glockenspiel **11**, as disclosed, since the support **14** is not rigidly secured to the frame **13**.

Various modifications and changes in the construction and arrangement of the parts forming this invention are contemplated and the right is reserved to make such changes as do not depart from the spirit and scope of the invention as hereinafter claimed.

I claim as my invention:—

1. A device of the class described comprising a glockenspiel provided with depending spaced sockets in the lower part thereof, pegs removably mounted in said sockets and depending therefrom; a harness comprising a belt adapted to be secured around the waist of the wearer, sockets depending from the belt to receive said pegs to support the glockenspiel in substantially an upright position, and shoulder straps secured to said belt and adapted to engage the shoulders of the wearer to assist in supporting the weight of the glockenspiel.

2. A device of the class described comprising a harness adapted to engage the waist and shoulders of the wearer, sockets depending from said harness, straps secured to said harness and having hooks at their free ends; and a glockenspiel having pegs depending from the lower part of its frame to engage said sockets to provide a support therefor, and eyelets formed in the sides of said frame to be engaged by said hooked ends of said straps to retain the glockenspiel in an upright position.

3. A glockenspiel comprising a frame having supporting means extending therefrom, a sounding bar support pivotally mounted on said frame, and a harness adapted to be worn by the player and having means engageable by said frame supporting means to support the instrument in an upright position in front of the player, said sounding bar support being pivotally mounted for angularly adjusting it relatively to the frame for the convenience of the player when marching.

4. A glockenspiel comprising a frame, supporting means extending outwardly therefrom, a sounding bar support pivotally mounted on said frame for angular adjustment relatively thereto; and a harness adapted to be worn by the player and including a belt and shoulder straps, and means secured to said harness and engageable with said supporting means to maintain the instrument in an upright position in front of the player to be played with both hands when marching.

5. A musical instrument of the class described comprising a lyre frame, a sounding bar support pivotally secured thereto for angular adjustment thereon, said bar formed of a plurality of channel shaped members adapted to contain sound dampening material, and supporting means projecting from said frame; a harness adapted to be worn by the player, and means connected to said harness to be attached to said supporting means to maintain the instrument in an upright position in front of the player.

6. A harness for glockenspiel instruments comprising a belt adapted to be worn around the waist, shoulder straps connected to said belt, sockets depending from said belt and adapted to receive pegs depending from a glockenspiel to support it, and straps secured to said shoulder straps and provided with hooks at their free ends adapted to be connected to eyelets on the instrument to maintain it in an upright position to be played with both hands.

7. An attachment for glockenspiels comprising sockets depending from the frame of the instrument, pegs removably secured in said sockets and depending therefrom, eyelets formed in the upper part of said frame; a harness comprising a belt and shoulder straps, sockets depending from said belt to receive said pegs to support the instrument, and straps attached to the upper part of said harness and provided with hooks secured to their free ends to engage said eyelets to maintain the instrument in an upright position, and means to adjustably mount the sounding bar support to permit angular adjustment thereof to a convenient position relatively to the instrument frame.

PHILLIP ANDREW LAFFEY.