Jan. 1, 1935. P. G. BAKER 1,986,703

MUSICAL INSTRUMENT RACK

Filed June 7, 1934

Fig. 1.

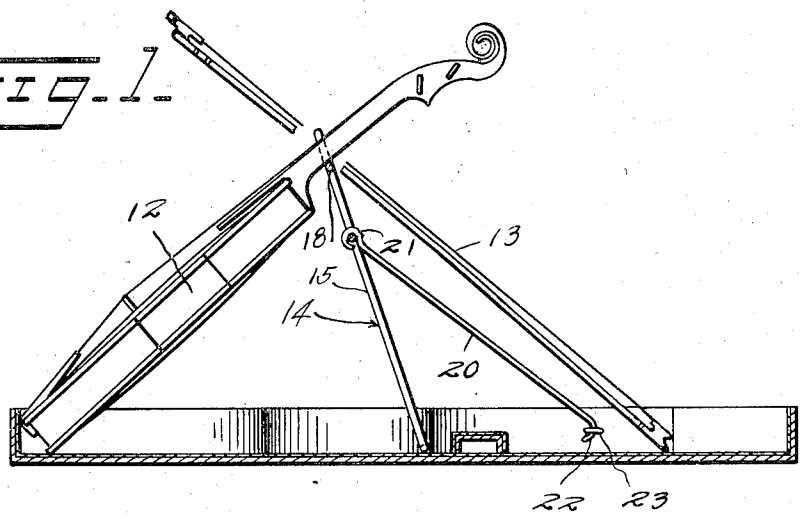


Fig. 3.

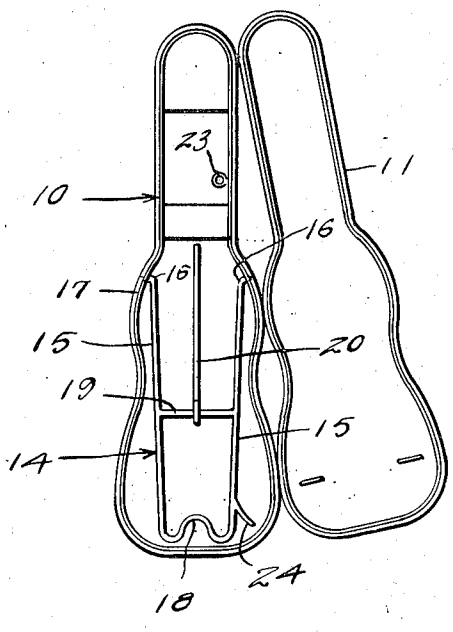


Fig. 2.

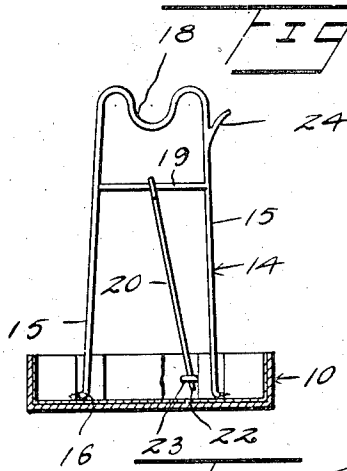
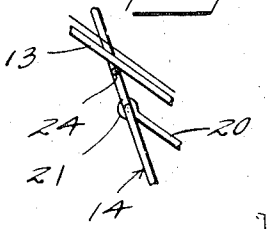


Fig. 4.



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MUSICAL INSTRUMENT RACK

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9 Claims. (Cl. 206—14)

This invention relates to rack structures and more particularly to a rack for supporting a musical instrument at one side of the player in a position where it may be convenient to the player who is playing another instrument so that the player can interchange instruments quickly and the instrument not in use will be disposed closely adjacent the player.

An object of this invention is to provide a supporting rack in combination with an instrument carrying case so that the musical instrument will be held in an inclined position, the rack being so constructed that when it is not in operative position, it will be collapsed within the carrying case and may be suitably covered so that it will not injure the musical instrument.

Another object of this invention is to provide a rack of this kind which embodies relatively few parts so that it can be made out of relatively light material, thereby reducing the cost of the structure and not unduly increasing the weight of the carrying case.

The above and various other objects and advantages of this invention will in part be described and in part be understood from the following detailed description of the present preferred embodiment, the same being illustrated in the accompanying drawing wherein:—

Figure 1 is a longitudinal section taken substantially through the center of an instrument carrying case having a device constructed according to the embodiment of this invention mounted therein, the device being shown partly in detail and partly in section.

Figure 2 is a front elevation of the device showing the carrying case in transverse section.

Figure 3 is a plan view of the carrying case in open position and showing the rack in collapsed position within the case.

Figure 4 is a fragmentary sectional view partly in detail of the bow supporting means at one side of the rack.

Referring to the drawing wherein like numerals of reference designate corresponding parts throughout the several views, the numeral 10 designates generally the back or one half of a carrying case constructed to hold a violin or like musical instrument, and the numeral 11 designates the top or upper half of the case which is hinged to the back 10. This case structure is of conventional construction and is shown here as only one application of the rack structure hereinafter described. The case comprising the two members 10 and 11 is adapted to receive a violin 12 and also a bow 13.

Where a player uses several instruments of different kinds or has two instruments alike with one instrument in reserve in case strings or the like break during the playing of the one instrument, it is desirable that the other or reserve instrument be supported closely adjacent the player and in a position where it may be readily and quickly picked up without damage to the instrument. In order to attain this result, I have provided a rack structure, generally designated as 14, which is adapted to be mounted on the inside of a case member 10. This rack structure 14 comprises a pair of elongated bars 15 having out-turned end portions 16 forming trunnions or pivots, which are adapted to engage in the side walls 17 of the case member 10. These trunnions or pivots 16 may be pointed so that it will not be necessary to form holes in the case, but the bars 15 being of inherent resiliency, will constantly be urged outwardly so that the trunnions 16 will press into the side walls 17.

The bars 15 at their upper ends have a saddle 18 formed integral therewith and in the present instance, this saddle 18 is substantially U-shaped in construction and opens outwardly of the bars 15. A brace or connecting bar 19 connects the two bars 15 intermediate the ends thereof and secured to this brace 19 is an elongated bracing member 20 having an eye 21 loosely engaging the brace 19. This brace 21 has a hook 22 at its inner end which is adapted to engage an eye 23 secured to the side wall of the case 10 at a point forwardly from the engagement of the trunnions 16 in the side walls 17. The rack member 14 is provided at one side thereof with an outstanding arm 24 which is adapted to be engaged by the bow with the bow disposed at an inclination opposite from the inclination of the violin, as shown in Figure 1.

In the use of the rack hereinbefore described, when the case is being carried, the rack 14 will be disposed entirely within the case member 10, as shown in Figure 3, and a cover such as a cloth or the like may be placed over this rack so that the instrument will not be damaged by contact therewith. When it is desired to swing the rack 14 into operative position, the case is open as shown in Figure 3, and the bars 15 are then raised so that they will be on an angle to the case member 10 and the bars 15 will be held in inclined position by the bracing member 20 engaging the eye 23. The neck of the violin may then be placed in the saddle or looped portion 18 with the lower end of the violin engaging the adjacent end of the case member 10. The bow

13 can be disposed with one end at the narrow end of the case member 10 and resting on the bow supporting arm 24.

What is claimed is:—

1. The combination with an instrument carrying case of a rack structure for supporting the instrument in angular relation to the case, said rack structure comprising a pair of side bars, a cradle carried by one end of each bar for engagement with a portion of the instrument to hold the instrument in inclined relation to the case, an out-turned trunnion carried by the other end of each bar for engagement with the side walls of the case to swingably mount the bars on the case, and coacting means carried by the bars and the case to hold the rack structure in upstanding position in the case.

2. In an instrument carrying case, means for supporting the instrument in an angularly inclined position relative to the length of the case with the case in open position, said means comprising a pair of substantially parallel supporting bars, a cradle carried by one end of the bars, out-turned trunnions carried by the other ends of the bars and adapted to engage the side walls of the case to rockably mount the bars upon the case, an elongated bracing member carried by the bars, a hook carried by the bracing member, an eye adapted to be secured to a side wall of the case forwardly of the trunnions, and an outstanding arm carried by one of the bars adjacent the upper end thereof for holding an article used with the playing of the instrument in an angularly inclined position relative to the case.

3. As new articles of manufacture, an instrument supporting rack and means for holding the rack in an inclined position relative to an instrument carrying case, said rack comprising a pair of elongated bars disposed in substantially parallel relation to each other, an instrument supporting cradle disposed between the bars adjacent one end thereof and integral with the bars, outturned trunnions carried by the other ends of the bars for engagement with the side walls of an instrument carrying case to swingably mount the rack in the case, a transversely extending bar disposed between the first two bars intermediate the ends thereof, an elongated bracing member secured to said transversely extending bar, a hook carried by said bracing member, and an eye adapted to receive said hook and adapted to be mounted in the side wall of the carrying case for holding the rack in substantially upright position with the case open.

4. As a new article of manufacture, an instrument supporting means comprising a substantially U-shaped member having a saddle in the bight thereof, outturned pivotal members carried by the free ends of the member and adapted to engage in the side walls of a case for pivotally mounting the member in the case, and a bracing member swingably carried by the U-shaped member for holding the U-shaped member in upraised position relative to the instrument case.

5. As a new article of manufacture, an instrument supporting means comprising a pair of parallel bars, an inwardly extending saddle secured to an end of each bar, an outturned trunnion carried by the other end of each bar, a supporting member, and means for securing the supporting member to the bars for swinging movement relative thereto whereby to hold the bars in upraised operative position.

6. As a new article of manufacture, an instrument supporting means comprising a pair of elongated members, an inwardly extending saddle secured to an end of each of said members and holding said ends of said members in spaced apart relation, a supporting member for said elongated members, means secured to said elongated members intermediate the ends thereof for securing said supporting member to said elongated members for swinging movement relative thereto whereby to hold said elongated members in upraised operative position, and means engaging the other ends of said elongated members for securing said other end of said elongated members to an instrument case.

7. As a new article of manufacture, an instrument supporting means, comprising a pair of bars disposed in spaced apart relation, an inwardly extending saddle secured to an end of each bar and holding said end of said bars in spaced apart relation, a connecting member connecting the bars together at a point intermediate the ends thereof and coacting with said saddle to hold the bars in substantially parallel relation, a supporting member, means for securing the supporting member to the bars for swinging movement relative thereto whereby to hold the bars in upraised operative position in an instrument case, and means secured to the other ends of the bars to pivotally mount the supporting means in an instrument carrying case.

8. As a new article of manufacture, an instrument supporting means, comprising a pair of elongated bars, a substantially U-shaped saddle secured to an end of each bar and maintaining said bars in spaced apart relation, a supporting member, means for securing the supporting member to the supporting means for swinging movement relative thereto whereby to hold the bars in upraised operative position in an instrument carrying case, and means engaging the other ends of the bars for pivotally mounting the bars in the instrument case.

9. As a new article of manufacture, an instrument supporting means, comprising a pair of elongated bars, an inwardly extending saddle secured to an end of each bar and maintaining said ends of the bars in spaced apart relation, a transversely extending member secured to the bars intermediate the ends thereof, a supporting member, an eye on one end of the supporting member and loosely engaging about said transversely extending member to swingably secure said supporting member for movement relative to the bars to hold said bars in upraised operative position, and means engaging the other ends of the bars to pivotally secure said other ends of the bars to an instrument carrying case.

PAUL GEORGE BAKER.