

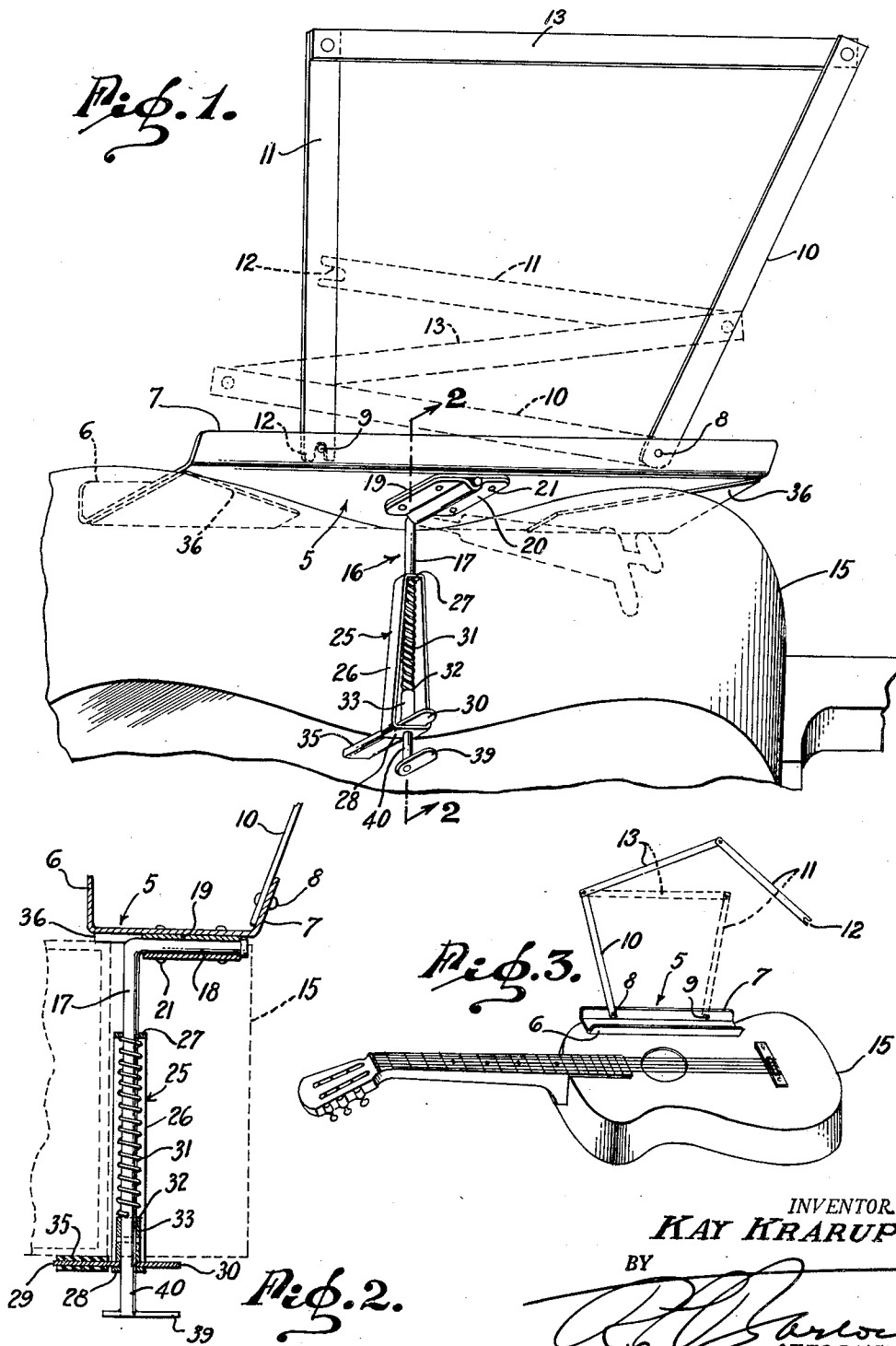
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COLLAPSIBLE MUSIC HOLDING ATTACHMENT FOR GUITARS

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COLLAPSIBLE MUSIC HOLDING ATTACHMENT FOR GUITARS

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5 Claims. (Cl. 45—58)

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This invention relates to a collapsible music holding attachment for guitars.

Hitherto music-holding attachments for guitars have been devised which when in their attached position have somewhat impaired the tone of the instrument. It is among the objects of the present invention to overcome this defect by providing, to support the device upon the guitar, a clamping means which will overlie less of the resonant wall portion of the guitar and will be applied thereto in such a manner as not to impair the resonance thereof, and also will not interfere with the player's manipulation of the strings of the instrument.

Among other objects of the invention are to provide a lighter and more compact device of the stated kind and one particularly well adapted for being attached to a Hawaiian guitar; to provide the device with a music rack which the player, whether a pupil or a member of an orchestra, may use to support the music in a safer more stable manner with less danger of the music stand becoming displaced and discharging the sheet music supported thereby; to provide a device with no parts apt to get out of order, usable for a long period of time, and capable of being manufactured at a lower cost.

An additional object is to provide an assembly of base, music-holding rack and clamp wherein the rack, which is of a skeleton, foldable character, may be compactly nested in its folded condition against the upper side of the base, while the clamp is arranged to swing up against the lower side of the base, when the attachment has been removed from the guitar.

Other objects, advantages and features of invention will hereinafter appear.

Referring to the accompanying drawing, which illustrates a preferred embodiment of the invention,

Fig. 1 is a perspective view of the device, the upper portion of a guitar upon which it is mounted being included in the view. In this view dotted lines indicate the manner in which the music rack is folded, and also the folded position of the clamp.

Fig. 2 is a section on line 2—2 of Fig. 1, a portion of the guitar being shown in dotted lines.

Fig. 3 is a perspective, on a smaller scale than the other views, showing a complete Hawaiian guitar with the device applied thereto, dotted lines indicating the operative position of the music rack, and full lines showing said rack partly outswung.

Referring in detail to the drawing, a base is provided consisting of an elongated, substantially rectangular plate 5 having along its front side edge a right angularly upstanding flange 6 and along its rear side edge an upstanding flange 7 deflected somewhat toward the rear. The latter

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flange has near one end an inwardly or forwardly projecting pivot stud 8 and near its opposite end a like inwardly projecting pivot stud 9. A strap metal arm 10 has one of its end portions overlying the inner face of said flange 9 being pivotally attached to said flange by said stud 8, while a second like arm 11 has one of its end portions bifurcated at 12 for straddling the stud 9 thus being swingably related to the stud 9 in an unseatable or removable manner. A bar 13 bridges the space between the outer ends of said arms 10 and 11 and is pivotally connected with each of said arms, thus cooperating with them to form a music holding extension for the base 5, to fold which it is only necessary for the musician to use one hand, with which he will grasp and unseat the arm 11 and will thereupon fold up the three arms 10, 11 and 13 in the manner indicated by dotted lines in Fig. 1.

The clamp for attaching the device to the guitar 15 comprises an L-shaped bar 16 having a longer arm 17, and having its shorter arm 18 transversely underlying the entire width of the mid-length portion of the base 5 and turnably connected thereto by reason of being interposed between an upper bearing plate 19 and a lower bearing plate 20, both of said bearing plates being shown secured to the base by rivets 21. By this arrangement said L-shaped bar is so mounted that its longer arm 17 can swing to and from an underlying relation to either end portion of the base 5, or can be positioned in a right angularly pendant relation thereto.

An elongated strap metal loop 25 is attached to the aforesaid swingable arm 17, said loop having twin side runs 26 which extend adjacently along each side of the arm 17 of the bar 16, this loop having apertured end runs 27 and 28 forming bearings through which the arm 17 passes so that the loop is turnable upon the arm. A clamp jaw 29 overlies and is secured to the outer end run 28 of said loop, said jaw having at one side of the loop a heel portion 30 which forms a finger-hold for manual retraction of the clamp against the opposition of a spiral compression spring 31 coiled loosely around the arm 17 of the clamp. The lower end of said spring abuts against an annular shoulder 32 resulting from the tubular abutment 33 mounted upon said arm 17 in a surrounding relation thereto, the upper end of said spring abutting against the lower face of the run 27 of the loop to urge the jaw 29 toward its gripping position, wherein it underlies the guitar 15 and presses its padded portion 35 thereagainst, the opposite side of the guitar abutting against twin pads 36 attached to the lower face of the end portions of the base 5. The lower end of the diametrical enlargement 33 abuts against the upper face of said jaw 29 whenever the jaw is allowed to be moved inwardly by the spring a little distance

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beyond that necessary for gripping the guitar which the device is designed to grip, hence it is only necessary manually to retract the clamp jaw a short distance preparatory to applying it to the guitar. A finger (or thumb) abutment piece 39 carried by the projecting arm extremity 40 aids the operator in single hand retraction of the jaw.

I claim:

1. In a device of the kind described, a base consisting of an elongated, substantially rectangular plate of rigid sheet material having an upwardly directed flange extending along each of its side edges, one of said flanges being a mounting flange, a first arm pivotally attached permanently to the inner side of one end portion of said mounting flange so as to swing in approximately the same plane as that in which said mounting flange extends, a second arm having one of its end portions removably connected to the inner side of that end portion of said mounting flange which is opposite to the first recited end portion thereof, and a bar bridging the space between the outer ends of both of said arms and permanently pivoted to both of them, said arms and bar forming for said base a three-member extension wherein, when said second arm is removed from said base, all three members of said extension are foldable alongside of each other and are then nestable between the flanges of said base, and means detachably to secure said base to a guitar.

2. In a device of the kind described, a base consisting of an elongated, substantially rectangular plate of rigid sheet material having an upwardly directed flange extending along each of its side edges, one of said flanges being a mounting flange and having adjacent to each end an inwardly projecting pivot stud, a first arm pivotally attached permanently to one of said projecting pivot studs so as to swing in substantially the same plane as that in which said mounting flange extends, a second arm of substantially the same length as said first arm and having a bifurcated end straddling the other of said projecting pivot studs so as to be unseatably pivoted thereto for swinging in the same plane as said first arm, a bar bridging the space between the outer ends of both of said arms and pivoted to both of them, said arms and bar forming for said base a three-member extension wherein, when the bifurcated end of said second arm is unseated from its pivot stud, all three members of said extension are foldable alongside of each other and are then nestable between the flanges of said base; and a clamp connected with the bottom of said base to attach the base to a guitar.

3. In a device of the kind described, a base plate of form-retaining sheet material having a reinforcing flange upstanding along each of its side edges, a music holding extension carried by one of said flanges and foldable into a nested position between said flanges, an L-shaped bar connected to the midlength portion of said base so as to project therebelow from a point adjacent to the other of said flanges, said base overlying the entire length of the arms of said L-shaped bar, a bearing for one arm of said L-shaped bar, said bearing being attached to the bottom of said base and extending transversely of the latter so that said bar is swingable to and from an underlying relation to said base, and a manually operable clamp carried by said bar detachably to secure the device to a guitar or like musical instrument.

4. In a device of the kind described, an elongated

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base, an L-shaped bar having a longer arm the length of which is less than half the length of said base and a shorter arm the length of which is less than the width of said base, means turnably attaching said shorter arm to the midlength part of the bottom of said base extending transversely thereof so that said longer arm is swingable from a right-angular relation to said base to an underlying relation thereto and vice versa, an elongated strap metal loop having a side run extending adjacently along each side of said longer arm and end runs with bearing apertures for said longer arm through which the latter extends so that said loop is turnably mounted upon said longer arm, a clamp jaw carried by the outer end portion of said loop and projecting laterally from said loop so as to be positioned for clamping a side portion of a guitar between itself and the bottom surface of the aforesaid base, a tubular abutment mounted upon said longer arm in a surrounding relation thereto, a compression spring coiled around said longer arm between the side runs of said loop and abutting against the inner end run of the latter and said abutment thus tending to urge said jaw toward its gripping position, a thumb-hold extension carried by the outer end portion of said loop for use in releasing said clamp jaw against the opposition of said spring, and a foldable music carrying means carried by said base and extensible thereabove.

5. In a device of the kind described, an elongated base, an L-shaped bar having a longer arm the length of which is less than half the length of said base and a shorter arm the length of which is less than the width of said base, means turnably attaching said shorter arm to the midlength part of the bottom of said base extending transversely thereof so that said longer arm is swingable from a right-angular relation to said base to an underlying relation thereto and vice versa, an elongated strap metal loop having a side run extending adjacently along each side of said longer arm and end runs with bearing apertures for said longer arm through which the latter extends so that said loop is turnably mounted upon said longer arm, a clamp jaw carried by the outer end portion of said loop and projecting laterally from said loop so as to be positioned for clamping a side portion of a guitar between itself and the bottom surface of the aforesaid base, abutment means carried by said longer arm, a compression spring coiled around said longer arm between the side runs of said loop and abutting against the inner end run of the latter and said abutment means thus tending to urge said jaw toward its gripping position, a thumb-hold extension carried by the outer end portion of said loop for use in releasing said clamp jaw against the opposition of said spring, and a foldable music carrying means carried by said base and extensible thereabove.

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