May 22, 1928. 1,670,397

C. R. YINGLING

MUSICAL INSTRUMENT SUPPORT

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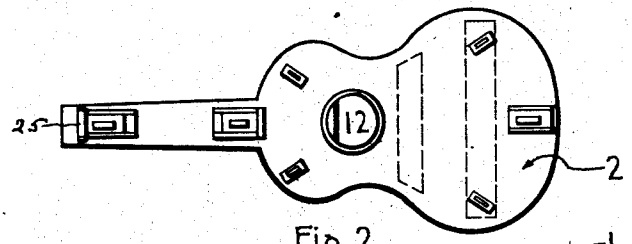


Fig. 2

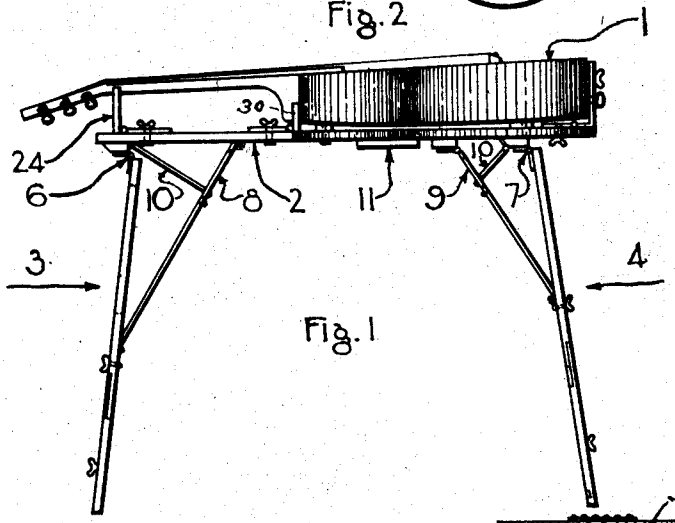


Fig. 1

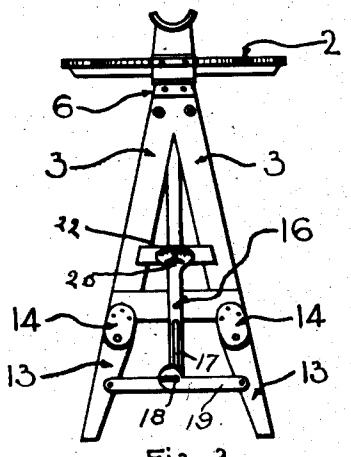


Fig. 3

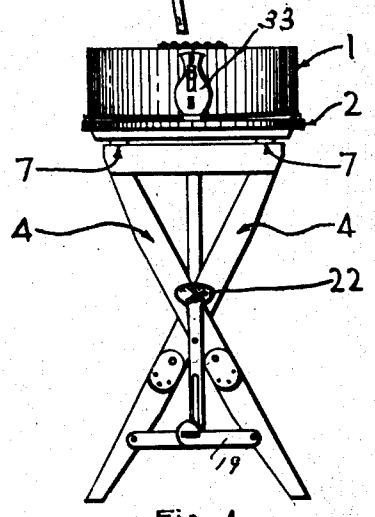


Fig. 4

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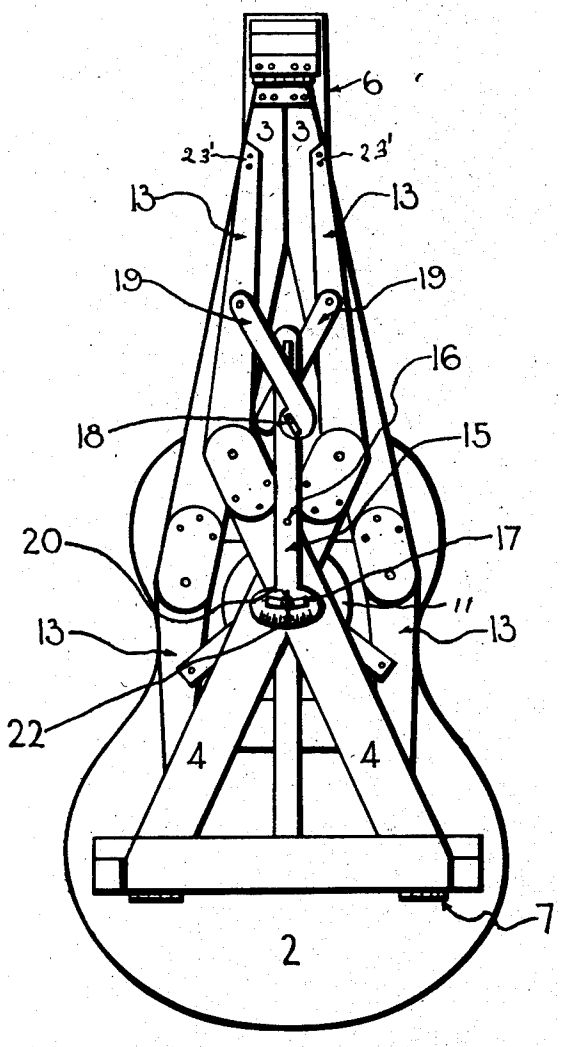


Fig. 5

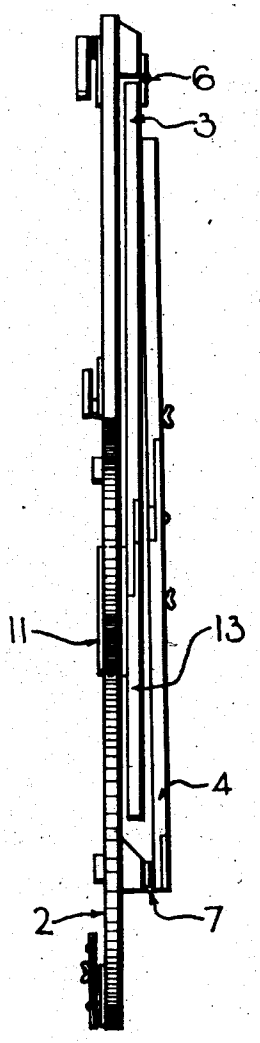


Fig. 6

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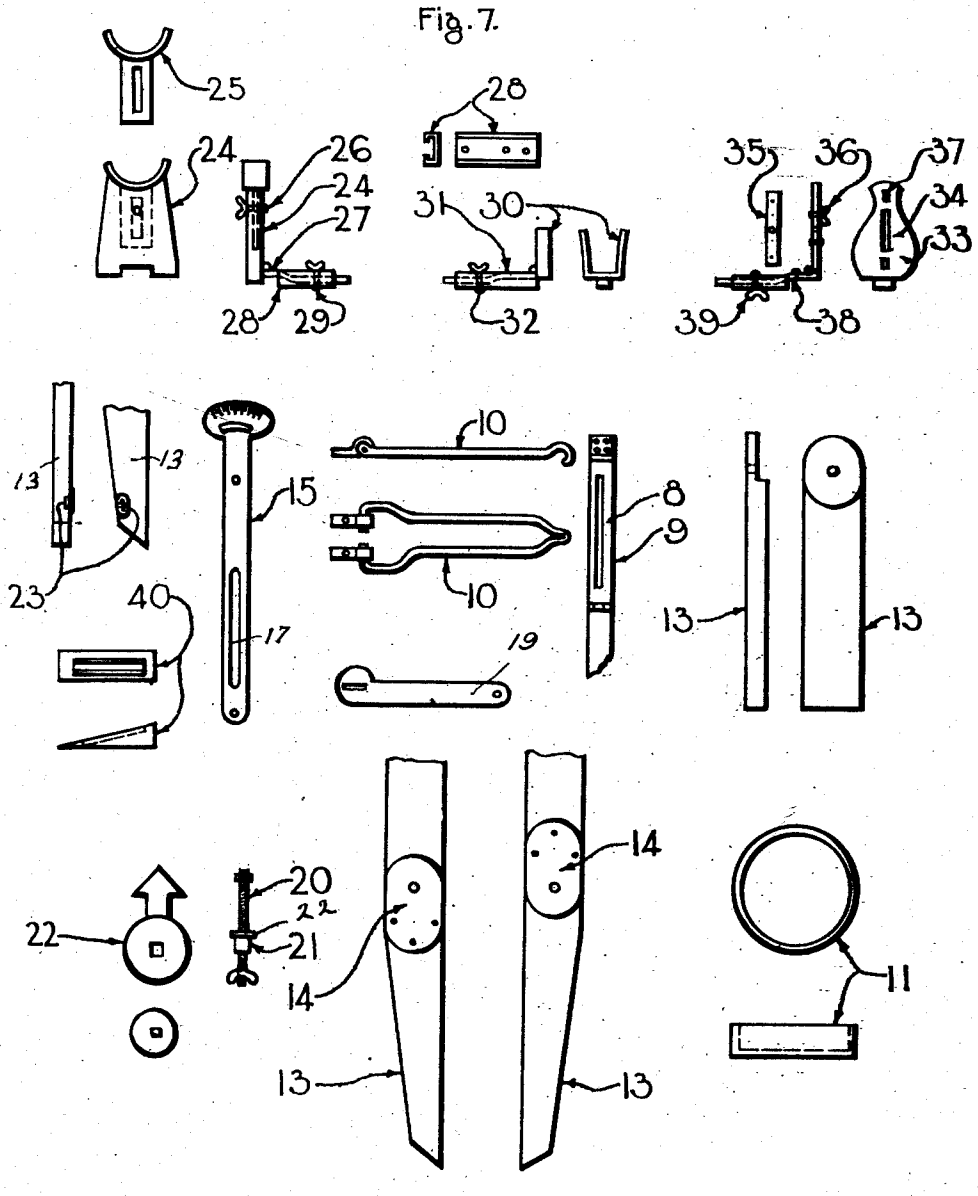
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Fig. 7.



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UNITED STATES PATENT OFFICE.

CHARLES R. YINGLING, OF BALTIMORE, MARYLAND.

MUSICAL INSTRUMENT SUPPORT.

Application filed March 22, 1926. Serial No. 96,480.

The object of my invention is the providing of improved means for supporting musical instruments.

A further object of my invention is the providing of improved means for supporting an Hawaiian guitar.

A further object of my invention is the providing of adjustable folding supporting means for an Hawaiian guitar whereby the same may be supported from the floor in front of the operator and adjusted with reference to his position.

A further object of my invention is an improved means for attaching a musical instrument to a supporting means.

A further object of my invention is an Hawaiian guitar supporting means provided with collapsible securing means for the guitar and collapsible supporting means or legs.

A further object of my invention is an improved folding means for a musical instrument support and means for holding the same closed or folded.

A further object of my invention is the providing of improved adjustable legs for a support to enable an adjustment of the angle of support with reference to the horizontal.

With the foregoing and other objects in view, my invention consists of the novel construction, combination and arrangement of parts as hereinafter specifically described and illustrated in the accompanying drawings, wherein is shown the preferred embodiment of my invention, but it is understood that changes, variations and modifications can be resorted to which come within the scope of the claims hereunto appended.

In the drawings of the herein-described embodiment of my invention, Fig. 1 is a side view in elevation of my supporting means with the legs folded out into supporting position and a musical instrument secured to the supporting means. In the case shown the supporting means or top is substantially parallel to the floor, the legs being adjusted in mid-position.

Fig. 2 is a plan view of the support with the musical instrument removed; Fig. 3 is a view in elevation of the support shown in Fig. 1 with the musical instrument removed, looking in the direction of the arrow 3 in Fig. 1; Fig. 4 is an end view in elevation of the support shown in Fig. 1, with the musical instrument in place, and is taken looking in the direction of the arrow 4.

Fig. 5 is an enlarged view showing my support with the legs folded looking from the under side up; Fig. 6 is a view taken at right angles to that shown in Fig. 5; Fig. 7 is a group view showing details of the various parts therein enumerated.

Similar numerals refer to similar parts throughout the several views.

1 is a musical instrument to be held, in the case shown, an Hawaiian guitar. 2 is the top of the support. 3 are the legs on the neck end, or those shown in Fig. 3. 4 are the legs on the body end, or those shown in Fig. 4; legs 3 and 4 are hinged to top 2 by means of hinges 6 and 7, respectively. 8 is a folding strut to hold legs 3 in open position and is hinged to top 2 at one end and to legs 3 at its other end and is hinged in the middle for collapsing. 9 is a folding strut somewhat similar to folding strut 8, and similarly hinged; both of these struts in their upper sections are slotted, as shown in Fig. 7. 10 are strut locks, hinged to top 2 at one end and at the other end narrowed to fit into the slot in folding struts 8 and 9.

11 is a box, or receptacle, in top 2 for the holding of strings or other supplies for the musical instrument, and is provided with a hinged cover 12.

Referring to Fig. 3, legs 3 are provided with feet 13 which are pivoted to legs 3 by halving, thus giving a flush joint, as shown in Figs. 6 and 7, and are re-inforced by plate 14. The movements of feet 13 are controlled by lever 15 fulcrumed at 16 and provided with a slot 17 in which operates securing bolt 20, and at its other end is slotted for securing means 18 to operate in.

19 are toggle members fulcrumed at one end to feet 13 and provided with a slot at the other end in which securing means 18 operates. This slot provides a means for spreading or adjusting feet 13, thus varying the height of that end of the top 2. Securing means 18 may consist of a bolt and butter-fly nut. Slot 17 and securing bolt 20 provide an adjustment in combination with the slots in toggles 19 whereby angular adjustment of the top 2 may be had with reference to the floor.

Securing bolt 20 is provided with a square section, or shoulder, 21 which partially fits in a recess in legs 3 to prevent turning and has washers and shoulders as shown in the drawing to make the legs work properly, and slipped over the square portion is

pointer 22. This bolt 20 is used to clamp the various members by means of working nuts, both butter-fly and ordinary. The pointer 22 being visible above the slotted portion of lever 15 indicates by means of graduations on said top portion desired positions in which the top or support may be set up without cut-and-try process; in other words, the support may be set up and will be found to be adjusted when turned over on its feet. Legs 4 are provided with feet and similar adjusting appliances as described for legs 3.

In folding the support, legs 3 are folded first, as indicated in Figure 5; then legs 4 are folded, and at the end of the feet on legs 4 are locking means 23 consisting of a slotted flat steel plate working over a button-head on legs 3, which plate is secured on legs 4, as shown in Fig. 7. 23′ indicate the rivets holding the locking plate 23 shown in Fig. 5.

On top of top 2 are the adjustable clamps to hold the musical instrument, and consist of the neck support 24 in which operates slotted supporting member 25 and is secured in an adjusted position by bolt 26. Neck support 24 is hinged to adjusting member 27 which is slotted to permit adjustment in its support 28 and is secured by bolt 29, support 28 being secured to top 2. 30 is a yoke hinged to adjusting member 31, which member slides in a support similar to support 28; adjusting member 31 being secured therein by means of bolt 32.

33 is an adjusting tail support, provided with a slot 34 through which the plug of the guitar may protrude, and is carried by sliding member 35, said member being adjustable on support 33 and secured by bolts 36 operating in slots 37. Adjustable support 33 is hinged to adjusting member 38, which member operates in a support similar to 28 and is adjustable therein and secured by bolt 39.

40 are adjustable wedges slotted as shown in Fig. 7, and are used for positioning or adjusting the musical instrument with reference to top 2 to accommodate the swelled, or curved, portion of the bottom of the musical instrument.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A musical instrument support comprising a top provided with means for securing a musical instrument thereon and folding legs upon each end thereof, feet on said folding legs mounted thereto and means for securing said feet in a desired position consisting of a control lever fulcrumed on said legs and operable in a plane parallel to the operation of the feet and provided with means for securing the same in a relative position on said legs, and toggle members fulcrumed to said feet adjustably securable to said lever whereby said feet may be adjusted relative to said legs.

2. A musical instrument support comprising, a top provided with means for securing a musical instrument thereon and folding legs upon each end thereof in combination with means for adjusting the support of said legs with reference to the ground on which said support rests to give a predetermined angle of said support with reference to the ground, or to adjust to inequalities of the ground, and means for adjusting said supporting means to each of said folding legs independently.

3. A musical instrument support comprising, a top provided with means for securing a musical instrument thereon, and folding legs upon each end thereof in combination with means for adjusting the support of said legs with reference to the ground on which said support rests to give a predetermined angle of said support with reference to the ground, or to adjust to inequalities of the ground, means for adjusting said supporting means to each of said folding legs independently, and means for relatively adjusting said supporting means on each of said legs.

4. A musical instrument support comprising, a top provided with means for securing a musical instrument thereon and folding legs upon each end thereof in combination with means for adjusting the support of said legs with reference to the ground on which said support rests to give a predetermined angle of said support with reference to the ground, or to adjust to inequalities of the ground, means for adjusting said supporting means to each of said folding legs independently, and means for locking said independent adjustment so that said legs may be folded and repositioned without disturbing said adjustment.

5. In a folding musical instrument stand provided with collapsible legs at each end thereof, means for locking said legs in open position consisting of, a hinged member hinged at one end to the top of said stand, the other end being formed to operate through a slot in a toggle joint strut whereby when the strut is in fully open position said locking means engages the bottom of said slot, thus locking said legs in open position, in combination with said toggle joint strut between said legs and said top.

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