

Dec. 21, 1926.

1,611,432

W. D. GLADSTONE

SUPPORT FOR MUSICAL INSTRUMENTS

Filed Sept. 1, 1925

3 Sheets-Sheet 1

Fig. 1.

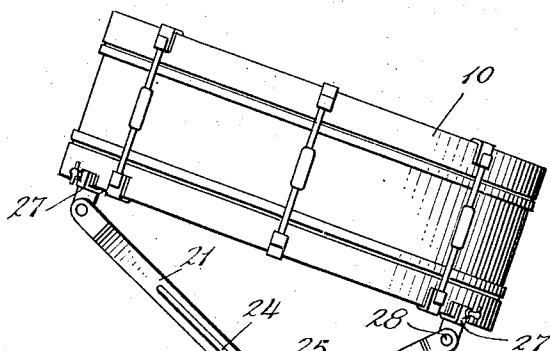


Fig. 6.

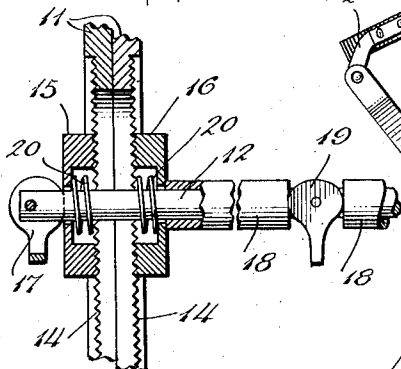
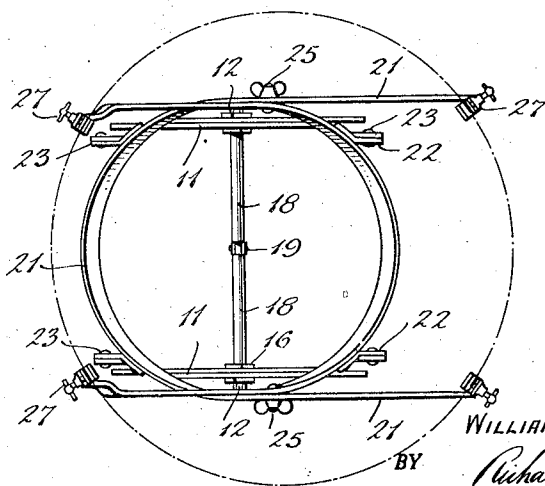


Fig. 2.



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3 Sheets-Sheet 2

Fig. 3.

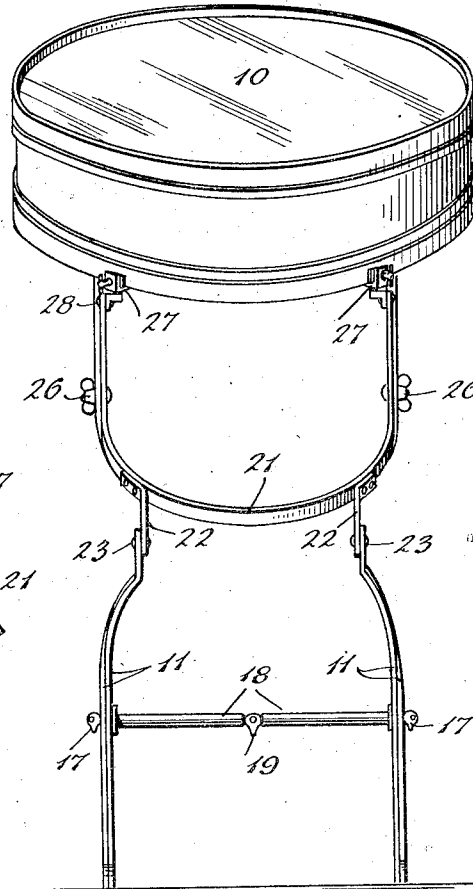


Fig. 5.

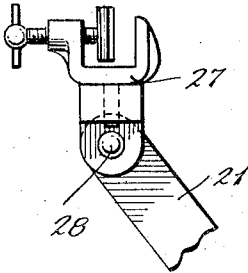
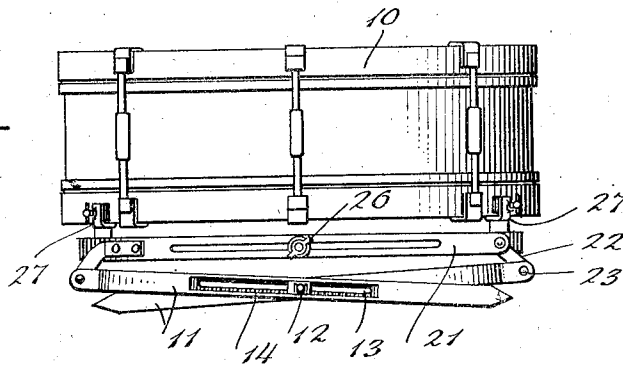


Fig. 4.



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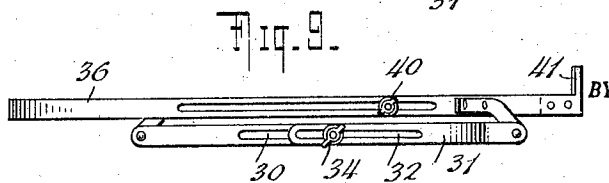
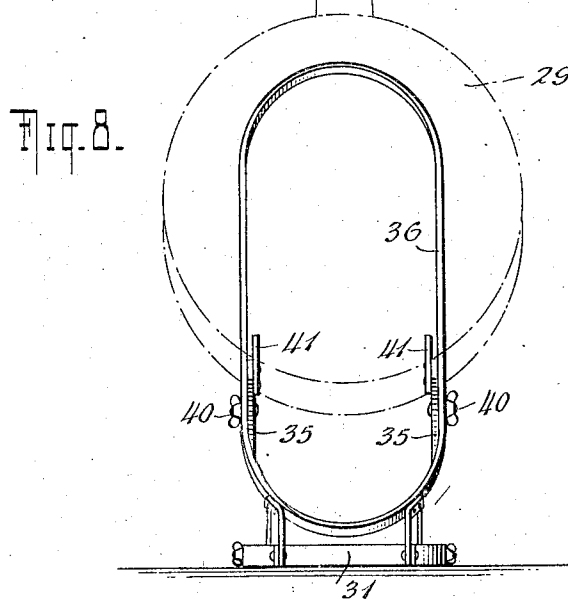
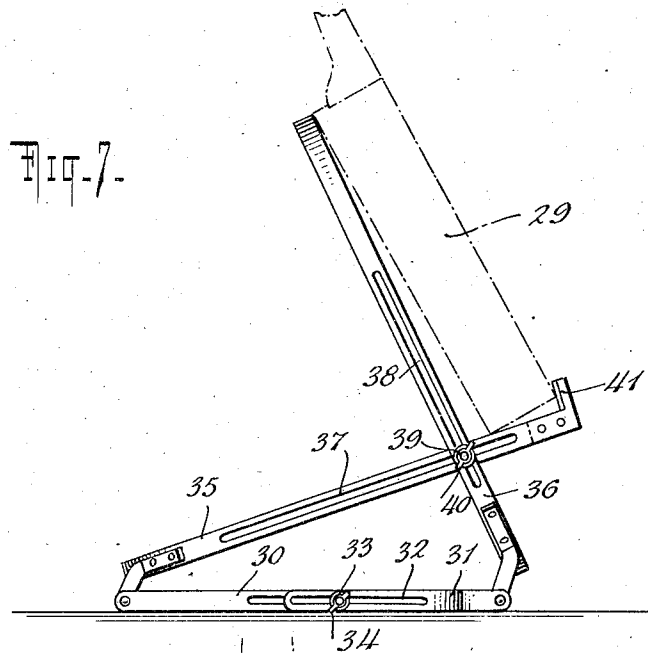
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3 Sheets-Sheet 3



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UNITED STATES PATENT OFFICE.

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SUPPORT FOR MUSICAL INSTRUMENTS.

Application filed September 1, 1925. Serial No. 53,801.

This invention relates to improvements in supports for musical instruments, and has particular reference to a collapsible support.

An object of the invention is to provide a support of simple and practical construction which will effectively support a musical instrument at various angles of inclination and at different heights, and which support may be easily and quickly folded to a compact inoperative position so that the same may be stored in a minimum space.

The above and other objects will appear more clearly from the following detailed description, when taken in connection with the accompanying drawings, which illustrate preferred embodiments of the inventive idea.

In the drawings—

Figure 1 is a side elevation of one form of the invention showing the same in its operative position;

Figure 2 is a plan view thereof;

Figure 3 is a front elevation;

Figure 4 is a side elevation of the support in its collapsed position;

Figure 5 is a detail elevational view of a clamp employed in connection with the support;

Figure 6 is a fragmentary detail sectional view taken through the base members of the support;

Figure 7 is a side elevation of another form of the invention;

Figure 8 is a front elevation thereof; and

Figure 9 is a side elevation showing the form illustrated in Figure 7 in collapsed position.

Referring more particularly to Figures 1 to 6 of the drawings the support, which, in this instance, is utilized to carry a drum 10, is shown as consisting of two sets of base members, the members of each set being indicated by the numeral 11. The members 11 of each set are arranged in intersecting relation and are pivotally movable about a rod 12 extending between said sets, the extremities of said rod projecting through elongated slots 13 formed in the members 11. The outer opposed surfaces of the members 11 of each set are provided on opposite sides of the slots 13 therein with serrations 14 adapted to be engaged by the outer and inner clamping members 15 and 16 also provided with serrations adapted to engage those of the adjacent member 11 and when so engaged said clamping members are effective

in maintaining the members 11 in adjusted positions. In order to retain the outer clamping member 15 in engagement with the associated base member 11 of each set, an eccentric 17 is pivoted to the outer extremity of the rod 12 and is engageable with the clamping member, as shown in Figure 6, to force the same into clamping engagement with the member 11. Inwardly of each clamping member 16 the rod 12 has loosely mounted thereon a sleeve 18 and interposed between the inner ends of said sleeves and pivoted to the rod 12 is another eccentric 19 which is operable to engage the inner ends of said sleeves and force the same outwardly. This outward movement of the sleeves would cause the inner clamping members 16 to engage the inner members 11 and thus further aid in securing the members 11 of each set in their adjusted positions. To release said members 11 for further adjustment it is only necessary to rock the eccentrics 17 and 19 about their pivots whereupon the clamping members 15 and 16 will be disengaged from the serrations 14 of the members 11 through the action of coil springs 20 recessed within the clamping members and bearing against the same and said members 11. Through the medium of this construction it will be apparent that the height of the entire support may be regulated or adjusted by a pivotal movement of the members 11 about the rod 12 and due to the slots 13 the adjustments may be accomplished while maintaining the lower extremities of the members 11 which engage the floor or other support a uniform distance apart.

The supporting device further includes the upper U-shaped supporting members 21 having brackets 22 secured to opposite sides of the bight portions thereof, said brackets being pivotally connected at 23 to the upper ends of the base supporting members 11. The sides of each upper member 21 are provided with elongated slots 24 through which bolts 25 are extended having wing nuts 26 thereon for securing the upper members in various adjusted positions. These upper members may be also employed to vary the height of the entire device and in addition thereto to regulate the angle of inclination of the drum 10 to which the upper members are secured by suitable clamps 27, said clamps being pivotally connected at 28 to said members.

When it is desired to collapse the support to the position shown in Figure 4, the bolts 25 may be centered in the slots 24 in the members 21 and after loosening the clamping members 15 the upper and base members may be moved about their pivotal connections until the same lie in a substantially flat position.

In the form of the invention shown in Figures 7 to 9, the device is particularly adapted for use in supporting a banjo or other similar instrument 29. The device in this instance consists of two base supporting members 30 and 31 of substantially U-shaped construction each provided in the sides thereof with slots 32 which permit of relative adjustment of the base members to vary the effective length thereof. The members are held in various adjusted positions by bolts 33 having wing nuts 34 thereon, said bolts extending through the slots and the wing nuts being designed to clamp the sides of the members 30 and 31 together.

The support further comprises the upper supporting members 35 and 36 pivotally connected to the base members 30 and 31, respectively. The member 35 is of substantially U-shaped formation while the member 36 is substantially oval in shape, as shown in Figure 8. The members 35 and 36 are provided, respectively, in their sides with elongated slots 37 and 38 and said upper members are arranged in intersecting relation so that bolts 39 may be extended through the slots 37 and 38 to enable the members to be secured in various adjusted positions by means of wing nuts 40. The free extremities of the member 35 are provided with lateral extensions 41 which form stops adapted to be engaged by the body of the instrument 29. By means of this construction the members 35 and 36 may be adjusted so as to give any desired inclination to the instrument 29 when the same is resting in the position shown in Figure 7, but in so adjusting said members it is desirable that the distance between the sides of the member 36 and the stops 41 be maintained substantially the same at all times. Thus, if the member 36 should be adjusted to a position more nearly horizontal than that shown in Figure 7, the distance between the sides of said member and the stops 41 would be increased. In order to overcome this, the wing nuts 34 may be loosened and the effective length of the members 30 and 31 increased so as to again decrease the distance between the member 36 and the stops 41.

What is claimed is:

1. In a support for musical instruments, base supporting members pivotally connected intermediate their ends, upper substantially U-shaped intersecting members having pivotal connections adjacent their bight por-

tions with said base supporting members and also adjustable relative to each other to vary the angle of inclination of a musical instrument carried by said upper supporting members, and means engageable with said intersecting members for securing the same in their adjusted positions.

2. In a support for musical instruments, base supporting members adjustable relative to each other, upper supporting members pivotally connected to said base supporting members and also adjustable relative to each other to vary the angle of inclination of a musical instrument carried by said upper supporting members, said upper supporting members being arranged in intersecting relation and having elongated slots therein, and means extending through said slots and engageable with said members to secure the same in various adjusted positions.

3. In a support for musical instruments, base supporting members pivotally connected together and adjustable relative to each other to vary the effective height of the support, upper supporting members pivotally connected to said base members and arranged in intersecting relation, said upper supporting members being provided with elongated slots which also intersect, and means extending through said slots and engageable with said upper members to permit of said members being adjusted relative to each other to vary the inclination of the musical instrument supported by said members, and said means also being capable of securing said upper members in various positions.

4. In a support for musical instruments, sets of intersecting base supporting members, the members of each set being provided with elongated slots and serrations adjacent said slots, a pivot rod extending between said sets and through the slots therein, clamping members on said rod and each engageable with the serrations in one of the members of each set, means on said rod for forcing said clamping members into clamping engagement with said base members to secure the same in various adjusted positions, and upper supporting members pivotally connected to said base supporting members and capable of carrying a musical instrument.

5. In a support for musical instruments, sets of intersecting base supporting members, the members of each set being provided with elongated slots and serrations adjacent said slots, a pivot rod extending between said sets and through the slots therein, clamping members on said rod and each engageable with the serrations in one of the members of each set, means on said rod for forcing said clamping members into clamping engagement with said base members to secure the same in various adjusted posi-

tions, upper supporting members pivotally connected to said base supporting members and capable of carrying a musical instrument, and means for effecting adjustment
5 between said upper supporting members to vary the inclination of said instrument.

6. In a support for musical instruments, sets of intersecting base supporting members, the members of each set being provided with elongated slots and serrations adjacent said slots, a pivot rod extending between said sets and through the slots therein, clamping members on said rod and each engageable with the serrations in one of the
10 members of each set, an eccentric pivotally
15

connected to said rod and engageable with one of the clamping members of each set to force the same into clamping engagement with its associated member, sleeves also on said rod, another eccentric pivoted to said
20 rod and engageable with said sleeves to move the same longitudinally of the rod to cause the other clamping members to engage their associated supporting members, and upper supporting members pivotally connected to
25 the base members and capable of supporting a musical instrument.

In testimony whereof I have affixed my signature.

WILLIAM DAVID GLADSTONE.