June 9, 1925. 1,541,767

A. MORTENSEN

MUSICAL INSTRUMENTS SUPPORT

Filed Aug. 25, 1924

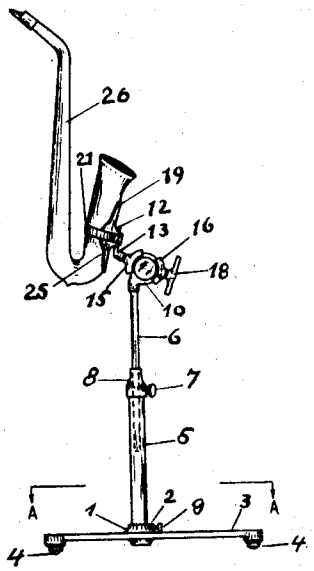


Fig. 1

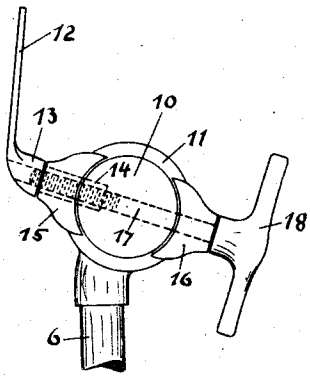


Fig. 3

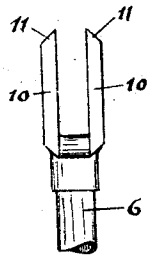


Fig. 4

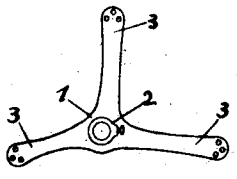


Fig. 2

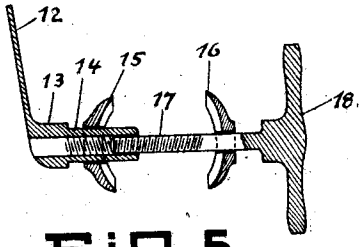


Fig. 5

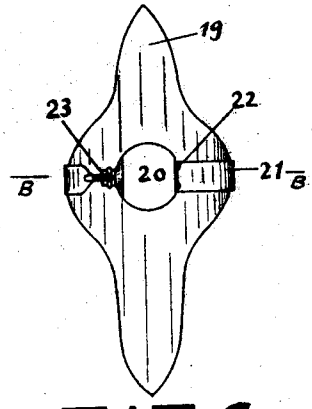


Fig. 6

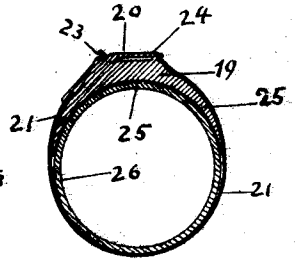


Fig. 7

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UNITED STATES PATENT OFFICE.

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MUSICAL-INSTRUMENTS SUPPORT.

Application filed August 25, 1924. Serial No. 733,981.

To all whom it may concern:

Be it known that I, AUGUST MORTENSEN, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Musical-Instruments Supports, of which the following is a specification.

This invention relates to improvements in musical-instruments supports, and particularly to saxophones. The object of the invention is to provide a support or holder of this class with means for adjustably supporting and holding an instrument in connection therewith. A further object being to provide a support or holder of this class, which is composed of a plurality of movable and adjustably connected parts whereby the device can be adjusted to an operative position and held in this position.

This device is of particular value to the player who is obliged to use two or more instruments during the playing of selections where the change of instruments is required to be made quickly so as not to interfere with the work of the play.

Another object being to provide a device which is easily knocked down for transportation, and by reason of its construction may be carried within the saxophone case in addition to the instrument.

With the foregoing objects in view and others to be mentioned hereinafter, this invention presents a novel construction, combination and arrangements of parts as described herein and claimed, and as illustrated in the accompanying drawings, wherein,—

Figure 1 is a side elevational view of my improved support and holding device in an operative position and illustrating the method of its use;

Fig. 2 a top plan view on the line A—A of Fig. 1, of the supporting base part of the device;

Fig. 3 a plan view of the construction of the clamping device on an enlarged scale and with parts broken away and in section;

Fig. 4 a vertical cross sectional view of the clamping device holding off-set with the clamping device removed;

Fig. 5, a sectional detail view of the parts comprising the clamping device;

Fig. 6 a plan view of the instrument holding plate, and the securing means for the holding band; and

Fig. 7 a cross sectional view on the line B—B of Fig. 6, of the holding plate, illustrating its holding band as surrounding an instrument.

As disclosed in the accompanying drawings I provide a base 1, having a centrally disposed securing socket 2, and a plurality of laterally directed radiating arms 3, of varying lengths, underneath said arms, and near their outer ends, ball casters 4 are provided. The adjustable upright standard comprises a tubular member 5, removably mounted into the socket 2, and a tubular member 6, which is telescopically disposed in the member 5, and may be extended or lowered as may be required, being secured in different positions of adjustment by a thumb set screw 7 in the head 8. A thumb set screw 9 is screw seated in the base socket to hold the member 5 from rotating and to hold said member rigid with the base. The member 6 has on its upper end, and integral therewith an off-set 10, of circular contour, bifurcated as shown on Fig. 4, and arranged to receive the clamping device, to be hereinafter described. The surface edges of this off-set 10 being beveled as shown at 11.

A material part of the present invention involves the positioning, and means for attaching the instrument in operative position on the device, and comprises a detail construction as follows:—

A holding bracket piece 12, having an angularly disposed shank 13 integral therewith. The shank 13 is inwardly threaded and having its outer portion reduced as at 14 providing an abutment shoulder at its point of junction with a clamping shoe, to be presently described. The convex-faced clamping shoes 15 and 16, centrally orificed, are shaped to correspond with the form of surface of the off-set 10, against which they bear. The clamping shoe 15, its orifice fitting over the reduced portion 14 of the shank 13, has its outer surface bearing against the above described abutment shoulder, while its inner surface bears against the beveled peripheries of the off-set 10. The clamping action is created through the

medium of a clamping bolt 17, having a handle of conventional form, designated by 18. The said bolt passing through the orifice of the shoe 16 and is threaded into the shank 13 of the bracket piece 12.

The stem of the handle 18 also providing an abutment shoulder at its point of junction with the clamping shoe 16.

In the described construction the clamping device, illustrated in Fig. 5, is disposed within the bifurcated off-set 10, as illustrated in Fig. 3, with the holding stress of the shoes 15, 16, exerted at their inner faces against the surface edges of the circular shaped off-set 10, thus by a turning of the handle 18, the clamping bolt 17 draws the shoes 15 and 16 together and binding the device, with the result that a very effective, adjustable and durable clamping device is provided.

A seating plate 19, of elongated form and shaped to correspond with the surface form of the instrument against which it is intended to bear, has a centrally disposed boss 20. A band 21, of flexible material is secured at one side of said boss in any suitable manner, preferably by means of a small plate secured by screws 22. The opposite end of said band is held in an adjustable position on said boss by a screw and nut construction 23, said screw and nut being seated in a suitable kerf on said boss therefor provided. As clearly shown on Fig. 7 of the drawings, a longitudinal rectangular opening 24 is provided within said boss to correspond to the size of the bracket piece 12, upon which it is to be slidingly mounted when in use. This seating plate 19, provided with a felt facing 25, and its band 21, are constructed to surround a suitable part of the instrument 26, intended to be supported, adjusted and securely fastened thereto by means of said screw and nut construction 23, as illustrated in Figs. 1 and 7 respectively.

The use of my improved instrument support will be readily understood from the foregoing description when taken in connection with the drawings herewith. The support in position of service is shown in Fig. 1. This construction, as will be understood, permits of various adjustments, the device may be raised or lowered by adjusting the tubular member 6 to a suitable height, after securing to a suitable elevation the clamping device is available for further adjustments relative to a vertical inclination of position if desired, or to any angular position of the instrument to the right or left at the will of the operator. The aforesaid angular position adjustments as well as the adjustments relative to the vertical inclination of the instrument are obtained and secured by means of the clamping bolt 17. On releasing said bolt by a few turns, the bracket piece 12 is movable to the right or left as desired, and the said bracket piece may be raised or lowered by a slight turning movement of the clamping device in the desired direction, after obtaining the preferable position of the bracket piece 12, a few turns of the clamping bolt 17 will again securely bind the clamping device, and the clamping device is in an operative position to receive the instrument intended to be supported thereby, by simply sliding the instrument with the seating plate 19 previously attached thereto, upon the bracket piece 12, the opening 24, provided in the boss 20, sliding over said bracket piece 12 and is thus securely seated thereon.

The casters provided underneath the base member permit of a rapid moving aside of the device where a quick change of instruments is required, and of a rapid recovery of the same by the operator.

The device is easily knocked down and ready for transportation, after removing the instrument from the bracket piece 12, the seating plate 19 is intended to remain fixed to the instrument and carried thereby for further use, by loosening the thumb set screws 7 and 9, telescoping the member 6 into the tubular member 5 and removing the said member 5 from its connection with the base 1. By reason of its construction it may be conveniently carried within the case containing the instrument.

While I have described construction in detail, I do not wish to be understood as limiting myself in this respect, nor to the size or proportion of parts or material to be used except so far as described in the appended claims.

What I claim as my invention and desire to secure by Letters Patent is,—

1. A device of the class described comprising a base having radiating supporting arms, a socket integral with said base, a standard composed of telescoping parts removably mounted in said socket, means for securing said standard in different positions of adjustment, one of said standard parts having an off-set of circular contour integral with its free end, said off-set being bifurcated and having its outer edges beveled, clamping shoes provided with centrally disposed openings and shaped to correspond with the form of surface against which they bear a bracket having an angularly disposed shank, said shank engaging one of said shoes, a clamping bolt provided with a handle engaging the other shoe and being threaded into said shank for clamping engagement with said circular off-set.

2. A device of the class described comprising a base, a telescoping standard, having means for different positions of adjustment removably mounted on said base, a circular shaped off-set integral with the free

end of said standard, said off-set having its outer edges beveled and being bifurcated to engage an adjustable clamping means, said means comprising clamping shoes formed to rest against the outer edge of said off-set, said shoes provided with a centrally disposed orifice to receive clamping parts, said parts comprising a bracket piece having an angularly disposed shank and a clamping bolt provided with a handle threaded into said shank for locking engagement by means of said shoes with said off-set, an elongated seating plate having adjustable carrying means and provided with a longitudinal opening for engagement with said bracket piece.

3. An instrument support comprising a base member, an upright member mounted on said base, an adjustable member slidable into said upright member and provided at one end with an off-set integral therewith, said off-set being arranged to engage a clamping device comprising clamping shoes provided with central orifices, a bracket piece having an angular disposed shank internally threaded, a clamping bolt having a handle and engaging said threaded shank, said off-set being bifurcated and said shank and said clamping bolt adapted to engage said shoes in different positions of adjustment with said bifurcated off-set.

4. A device of the character described comprising a base, having a socket and a plurality of radiating supports integral therewith, a telescoping standard, comprising a plurality of sections removably mounted within said base socket, adjusting means associated with said standard, a bifurcated member of circular contour on the free end of and integral with said standard member and arranged to engage a clamping means, said means comprising clamping shoes provided with a centrally disposed opening an angular instrument holding member constructed at its outer end with a seat for supporting an instrument thereon and at its other end provided with an internally threaded shank, said shank passing into one of said shoes, a clamping bolt, having a handle, said bolt passing into a second clamping shoe and engaging said threaded shank, a seating plate shaped to correspond with the form of the instrument against which it bears and having a band associated with said seating plate, means for holding said band in a secured position around an instrument, an opening provided in said seating plate engaging said instrument holding member.

5. A base, a vertical telescoping member detachably positioned on said base, means for holding said member in rigid relation to said base, a circular and forked bearing member formed at the upper end of said member a horizontally disposed clamping device seated within said bearing, said clamping device comprising clamping shoes having a centrally disposed opening provided therein and shaped to seat against said circular bearing member, a bracket having an angular disposed shank integral therewith, a clamping bolt threaded into said shank, said shank and said bolt provided with abutment shoulders to bear against said shoes, said shank engaging one of said shoes while the other shoe is engaged by said bolt, said bracket and said bolt co-operating with said bearing and an instrument supporting means removably mounted on said bracket.

6. A base, a vertical adjustable telescoping member detachably positioned on said base, means for holding said member in rigid relation to said base, an off-set of circular contour integral with said member, said off-set being forked to engage a clamping device, said clamping device being composed of separate associated parts co-operating with said off-set and adapted for different positions of adjustment, means co-operating with said clamping device to removably carry an instrument holding means.

7. A base, a vertically adjustable member detachably positioned on said base, means for holding said member in rigid relation to said base, a circular shaped off-set formed on the free end of said member, said off-set being bifurcated to engage a horizontally disposed clamping device, said clamping device being composed of separate parts co-operating with said off-set in different positions of adjustment.

In testimony whereof I affix my signature in the presence of two witnesses.

AUGUST MORTENSEN.

Witnesses:
HAROLD JOHN DAVIS,
GUST. W. WIEGAND.