J. E. SMITH.

CLARINET HOLDER.

APPLICATION FILED JUNE 19, 1919.

1,342,136. **Patented June 1, 1920.**

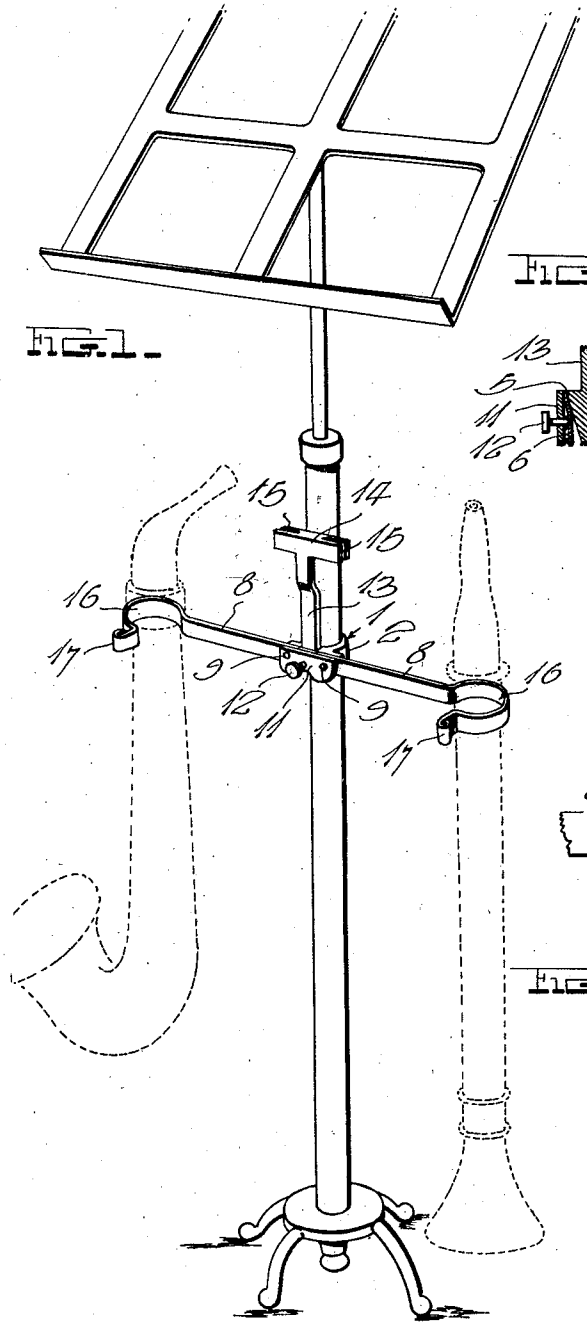


FIG. 1.

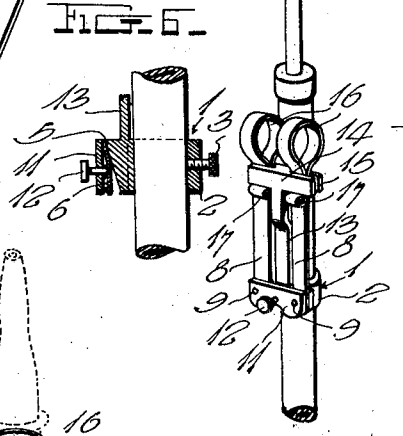


FIG. 2.

FIG. 6.

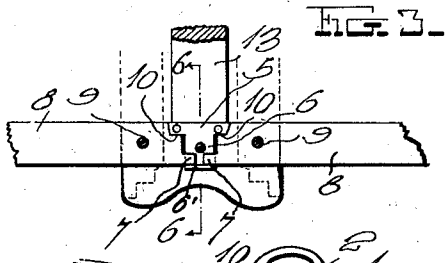


FIG. 3.

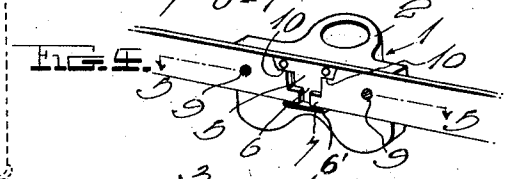


FIG. 4.

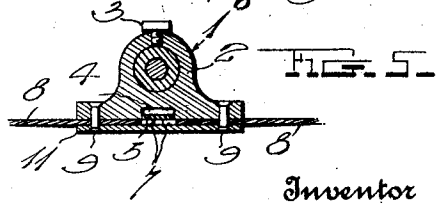


FIG. 5.

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CLARINET-HOLDER.

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Application filed June 19, 1919. Serial No. 305,339.

To all whom it may concern:

Be it known that I, JOSEPH EDWARD SMITH, a citizen of the United States, residing at 74 Prospect Ave., Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Clarinet-Holders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in supports, particularly to that type to be attached to music stands for supporting musical instruments.

The primary object is to provide a simple and practical support of this type which will assist in the prevention of accidental breaking of musical instruments through falling on the floor.

Another object is to provide a device of this character which is locked against vertical movement when in use, and is only subject to lateral movemnt due to the resiliency of its supporting arms.

A further object is to provide a simple instrument support, which, when not in use, may be folded into a holder and locked in its folded position by means of the novel formation of the instrument engaging jaws.

With the above and other objects in view the invention consists of certain novel features of construction and the combination and arrangement of parts as will be more fully described and claimed.

I attain these objects by the arrangement of parts illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view of the instrument support attached to a music stand, the arms being shown in operative or extended position.

Fig. 2, a similar view, with the arms folded.

Fig. 3, a detail view of the inner end portions of the arms, the cover plate being removed to expose the spring latch device.

Fig. 4, a detail perspective view of the locking mechanism and supporting means.

Fig. 5, a sectional view taken on the line 5—5 of Fig. 4.

Fig. 6, a sectional view taken on the line 6—6 of Fig. 3.

Similar numerals refer to similar parts throughout the several views.

The instrument support is illustrated applied to a music stand of the ordinary construction, and consists of a body member 1 having means in the form of a sleeve 2 for adjustably supporting it on a standard or like support, said member being retained in any desired position by tightening a binding screw 3 against the support.

The body member 1 is provided with a substantially centrally positioned recess 4, which is preferably tapered from the lower edge of the body to a point adjacent its upper end. Secured to the body, at a point above said recess is a substantially T-shaped spring latch 5, the shank 6 of which, is disposed opposite and movable into said recess. The shank has formed integral with its lower end, a forwardly projecting tongue 8 which is adapted to engage the lower faces of lugs 7 formed on the inner ends of instrument supporting arms 8 which are pivoted at 9 to said body. The arms 8 are preferably though not necessarily formed from highly resilient metal, such as clock spring metal, the inner ends of said arms being spaced apart and cut away at their upper adjacent corners to form shoulders 10 to abut the lower faces of the T-head thereby limiting the downward movement of said arms and coöperating with the aforesaid lugs to lock the arms in horizontal or extended position.

A cover plate 11 is provided for the latch and inner end portions of the arms, said plate having a substantially centrally disposed aperture in which is mounted a push button 12, whose inner end is adapted to strike and release the shank 6 of the spring latch 5, thereby unlocking the arms, permitting them to be swung upwardly into parallel relation with the body.

The body member 1 includes a vertically disposed T-shaped portion or support 13 as shown in Figs. 1 and 2, the upper end or head 14 being provided with vertical slots 15 in its ends for the reception of the supporting arms 8. To insure more perfect operation, the head 14 and a portion of the shank are offset forwardly so as to vertically aline with the arms and slots.

The lower edges of the body member and the cover plate are curved near each end so that when the arms are being folded the lugs 7 and inner ends will be continuously covered. It is apparent that in forming these curves, the pivot points of the arms are used as centers.

The outer ends of the supporting arms 8 are bent to form resilient, instrument engaging loops 16, the ends 17 of the metal forming the loops being bent laterally in the same direction. When the arms are to be folded upwardly the ends 17 are pressed inwardly against the body portions of the arms and then forced into the slots 15 in said head. It is apparent that the tendency of the loops to expand will serve to retain the arms in said slots.

The arms of this support, being highly resilient will permit lateral movement to a great extent before the supported instrument will be released but is positively locked against vertical movement and as is apparent, the entire device may be folded when not in use, to occupy a very small space.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the claimed invention.

I claim—

1. A device of the character described including a body member, means on said member for attachment to a support, an instrument supporting arm pivoted to said member, said arm being bent to form a resilient instrument engaging loop, said body having a vertical slot in one side of its upper end, said loop having its end foldable against the arm, said arm being foldable upwardly into parallel relation with said member, the end of the resilient loop and the arm being receivable in said slot, and means for holding the arms in horizontal or extended position.

2. The combination of a shouldered support, an arm pivoted on said support and having parts to fit the shouldered portions, and a latch engaging the arm to prevent accidental movement thereof and retractable to permit swinging said arm.

3. A device of the character described, including a body member, means for attaching the member to a support, said member having a recess in its lower outer edge terminating at a point adjacent the upper edge, a substantially T-shaped spring latch having its head secured to said member at a point above said recess and its shank disposed opposite and movable into said recess, a forwardly extending tongue formed on the lower end of said shank, a pair of instrument supporting arms pivoted horizontally to said plate near its outer ends, said arms having their inner ends spaced apart and portions cut away to form shoulders for engaging the under sides of the T-head, lugs formed on said inner ends for engagement with the tongue on said shank, said tongue being movable out of engagement with said lugs, a cover plate for said parts, and means for moving said tongue to permit the arms to be folded.

4. A device of the character described, including a body member, means for attaching the member to a support, a pair of instrument supporting arms pivoted to said member, means for locking the arms in operative position, a T-shaped support formed on the upper edge of said member, said head being provided with vertical slots in its ends, and said arms being foldable upwardly and inwardly into said slots.

5. A device of the character described, including a body member, means for attaching the member to a support, a pair of instrument supporting arms formed of flat spring metal and pivoted to said plate, said arms having their outer ends curved to form instrument engaging jaws and then bent laterally in the same directions, a T-shaped support formed on the upper edge of said plate, said head being provided with vertical slots in its ends, said arms being foldable upwardly and inwardly and said jaws being foldable against the body portions of the arms for reception in said slots and means for locking said arms in operative position.

6. A device of the character described including a body member, means for attaching the member to a support, said member having a recess midway its length, said recess tapering from the lower edge to a point adjacent the upper edge of said member, a substantially T-shaped spring latch having its head secured to the member at a point above the recess and having its spring shank disposed opposite and movable into said recess, said shank being offset rearwardly, a forwardly directed tongue formed on the lower end of said shank, a pair of oppositely directed instrument supporting arms horizontally pivoted to said member, said arms having their inner ends spaced apart and provided with shoulders at their upper corners to abut the lower faces of the T-head, lugs formed on the lower corners of said inner ends, and adapted to contact the upper edge of said tongue, to lock the arms in operative position, a cover plate for said mechanism, and means for releasing the lugs from said tongue, a T-shaped holder carried by said member, and provided with vertical slots in the ends of its head for reception of the arms when folded.

7. A device of the character described, including a body member, means for attaching the member to a support, said member having a recess in its lower outer edge terminating at a point adjacent the upper edge,

a substantially T-shaped spring latch having its head secured to said member at a point above said recess and its shank disposed opposite and movable into said recess, a forwardly extending tongue formed on the lower end of said shank, an instrument supporting arm pivoted horizontally to said plate near one end, said arm having portions of its inner end cut away to form shoulders for engaging the under side of the T-head, a lug formed on said arm for engagement with the tongue on said shank, said tongue being movable out of engagement with said lug, a cover plate for said parts and means for moving the tongue to permit the arms to be folded.

In testimony whereof I have hereunto set my hand.

JOSEPH EDWARD SMITH.