

INCASED TELESCOPIC MUSIC STAND.

APPLICATION FILED JULY 19, 1910.

987,884.

Patented Mar. 28, 1911.

2 SHEETS—SHEET 1.

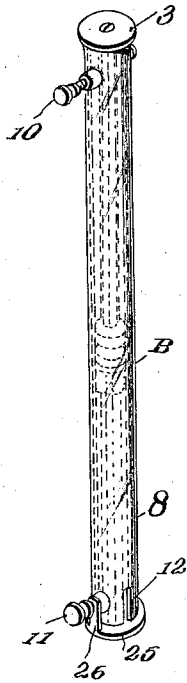
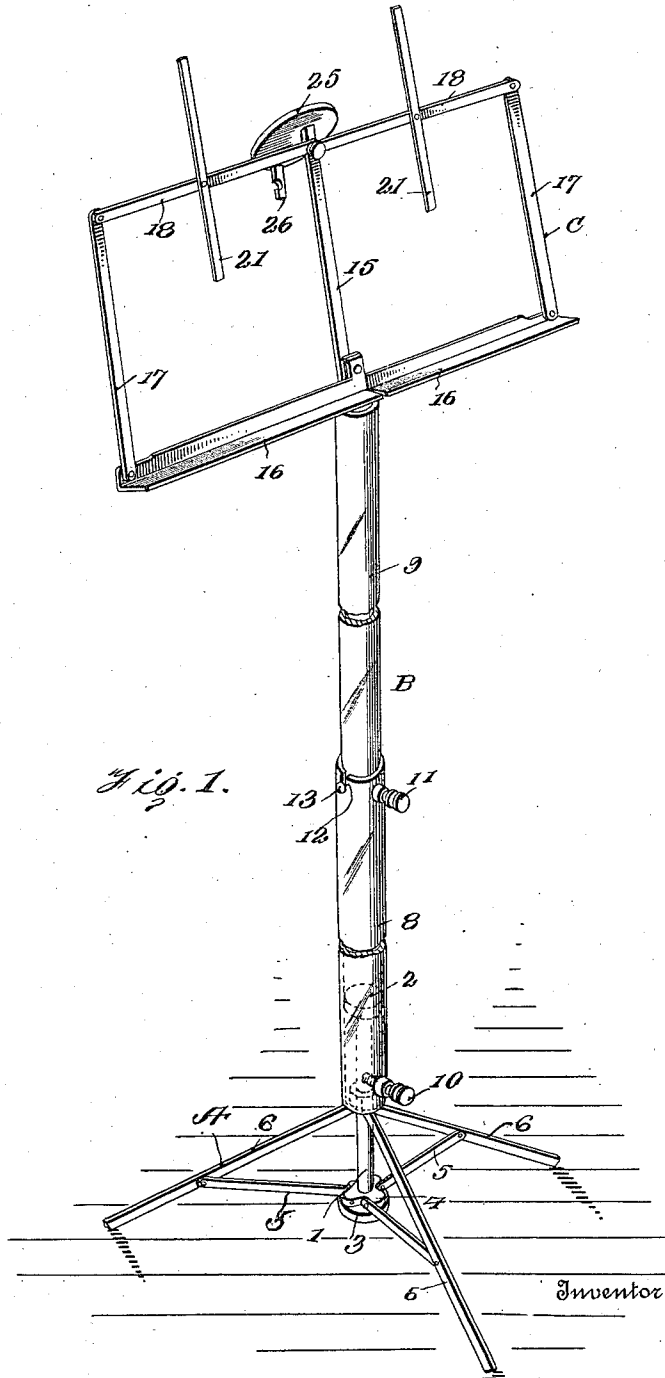


Fig. 2.



Witnesses

W. W. Woodson.

Juana M. Fallin.

By

Moore St. Feltson

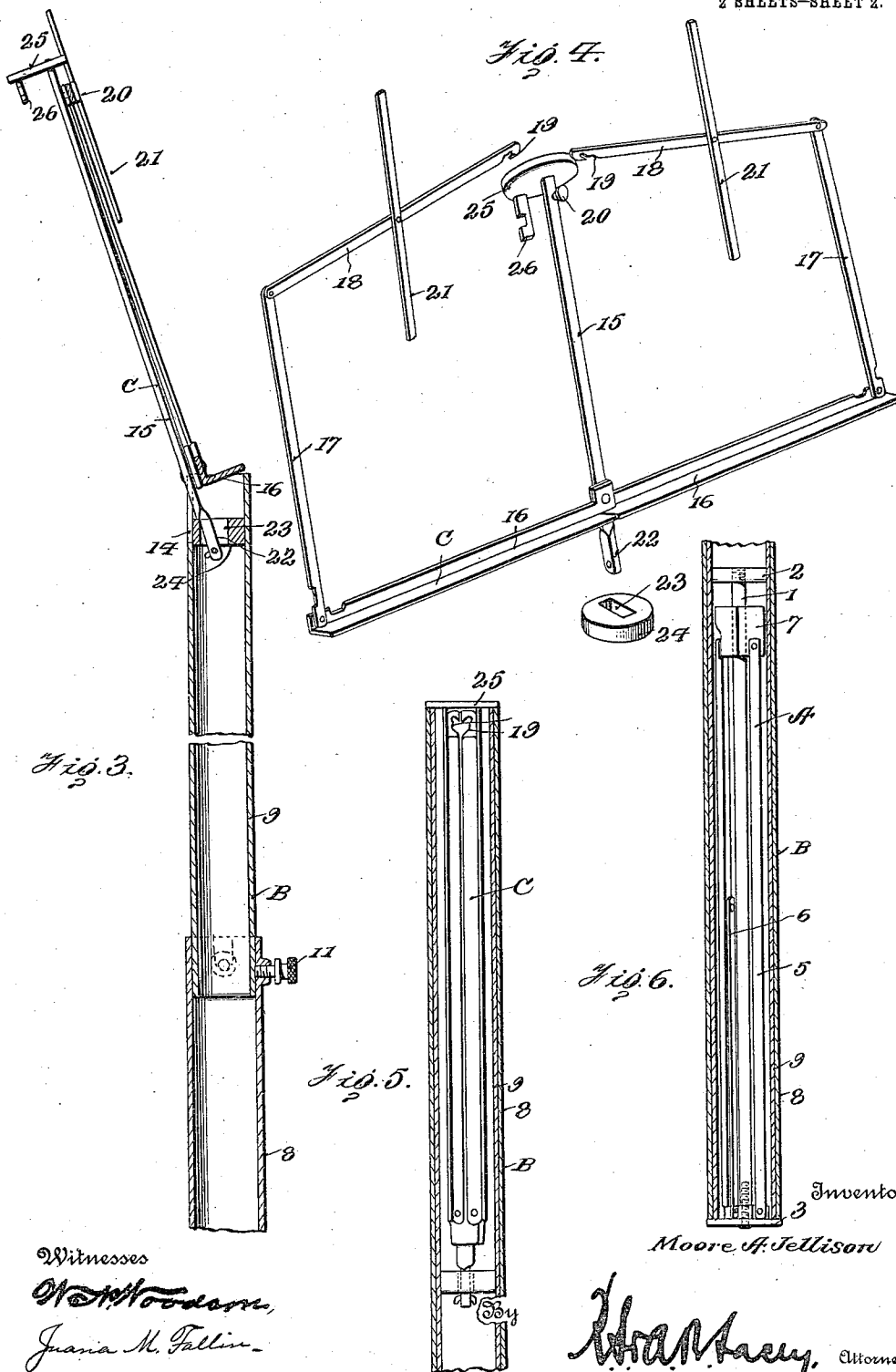
Hartney, Attorneys

M. A. JELLISON.
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Witnesses

W. H. Woodson,
Joanna M. Tallin.

Moore A. Jellison

W. H. Jellison, Attorneys

UNITED STATES PATENT OFFICE.

MOORE A. JELLISON, OF TERRE HAUTE, INDIANA.

INCASED TELESCOPIC MUSIC-STAND.

987,884.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MOORE A. JELLISON, citizen of the United States, residing at Terre Haute, in the county of Vigo and State of Indiana, have invented certain new and useful Improvements in Incased Telescopic Music-Stands, of which the following is a specification.

This invention comprehends certain new and useful improvements in music stands, and the invention has for its primary object a simple, and efficient construction of telescopic music stand the parts of which may be easily slipped one into another, and entirely incased whenever it is desired to carry the stand from one place to another or store it out of the way when not in use.

The invention also has for its object a strong, light and durable telescopic music stand, the parts of which may be easily withdrawn or extended and readily adjusted to the required height, the device embodying a sheet supporting frame which may be easily secured upon the standard of the apparatus so as to be held securely in one position while at the same time permitting of the frame being turned to different positions so as to face the performer without the necessity of turning the entire stand around.

A further object of the invention is a device of this character in which the collapsible sheet supporting frame may be easily held at the required position for conveniently reading the music placed thereon, the same means being employed for holding the frame at an inclination as are employed for preventing the frame from being accidentally swung around on the standard as a pivot. And a further object of the invention is a collapsible and telescopic music stand embodying an improved base and an improved sheet supporting frame the said base and frame carrying caps designed to close the ends of the outermost member of the telescopic standard when the sections of the standard are telescoped one within the other, so as to securely close the ends of the outermost tube which then becomes a casing to inclose the other parts when it is desired to carry the device from one place to another, or to store it when it is not desired for use.

With these and other objects in view as will more fully appear as the description

proceeds, the invention consists in certain constructions, arrangements and combinations of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings in which:

Figure 1 is a perspective view of a music stand constructed in accordance with my invention, the parts being shown in set up relation to each other; Fig. 2 is a similar view with the parts closed up; Fig. 3 is a longitudinal sectional view of the upper portion of the device; Fig. 4 is a detail perspective view of a sheet supporting frame; and Figs. 5 and 6 are vertical sectional views illustrating respectively the upper and lower portions of the device when the parts are telescoped one within the other.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawings by the same reference characters.

My improved music stand comprises a base A, a standard B, and a sheet supporting frame C, and I shall describe these parts in the order just given, then specify how the parts are assembled, then describe how they are inserted one within the other, so as to be held in an inoperative position within the casing formed by the outermost section of the telescopic standard B, and finally point out in the claims, the novel features and combinations thereof.

The base A embodies a post 1 which is provided at its upper end with a disk-like head 2 and to which is secured at its lower end, as by a screw or similar fastening device a cap disk 3. Interposed between the cap disk 3 and the lower end of the post 1, and rotatably mounted upon the reduced lower extremity of said post, is a three lug plate 4, said plate being preferably held in place by the same screw or other fastening device which holds the disk 3. Pivotally connected to the respective lugs of the plate 4 are leg braces 5, said braces being pivotally connected at their upper or outer ends to the legs 6, intermediate of the ends of the latter. The upper ends of these legs are pivotally connected to a collar 7 which is mounted for a longitudinal sliding movement on the post 1. It will thus be seen that the longitudinal movement of the collar

relative to the post will spread apart the lower ends of the legs or bring the legs together, as required.

The standard B is constructed of any desired number of preferably metallic telescopic tubes, there being two of these tubes in the present instance, designated 8 and 9 respectively; the lower tube being provided near its lower end with a set screw 10, and at its upper end with a set screw 11, and with longitudinally extending edge recesses 12. The upper tube 9 carries a preferably detachable and adjustable stud or screw 13 secured thereto near its lower end, and is formed at its upper end with an edge opening slot 14.

The sheet supporting frame C embodies a main bar 15 and flanged bottom bars 16 designed to directly support the lower edge of the sheet music or the like, said bottom bars being pivotally connected at their inner ends to and projecting laterally in opposite directions from the main bar 15. The frame also includes end bars 17 pivotally connected at one end to the outer ends of the bottom bars 16 respectively, the end bars being pivotally connected at their opposite ends to the top bars 18. These last named bars are designed to extend inwardly toward each other, their adjoining ends being designed to overlap and being formed with angular recesses 19 by which they are designed for detachable engagement with a headed stud 20 secured to and projecting forwardly from one face of the main intermediate bar 15 of the frame. Preferably, the top bars 18 carry pivotally mounted arms 21, designed to extend down back of the sheet music in the operative position of the parts, so as to fill in the frame and properly hold the music. The main bar 15 of the frame C is preferably twisted at its lower ends to form a shank 22 which is received in a slot 23 formed in a bushing 24. The upper end of the main bar 15 is pivotally connected, in an eccentric position to a cap disk 25, said disk being provided with a recessed lug 26 projecting from the inner face thereof.

In assembling the parts for practical use, the legs 6 of the base A are spread out as required, and the standard B is slipped down over the upper end of the post 1, being steadied by the head 2 thereof, and by the impingement of the set screw 10 against the post. Not only does this secure the standard and base together, but it serves to rigidly connect the post and collar 7 and thereby rigidly holds the legs 6 in the required spread out condition. The standard may be extended to the required height and held in adjusted position by the impingement of the set screw 11 with the inner or upper tube 9, or if desired, the standard may be held in fully extended position, not only by the set screw 11, but by the engage-

ment of the screw or stud 13 in the slot 14. To complete the assembling of the parts, the frame bars are spread out as shown, the inner ends of the top bars 18 being connected to the stud 20, and the bushing 24 is slipped down into the upper end of the upper tube 9 of the standard, the main or intermediate bar 15 of the frame C being then tilted relative to the bushing, this movement being permitted by the arrangement of the shank 22, and the slot 23 and the lower end of the bar 15 is then passed into the upper end of the slot 14, the frame being thereby held at the proper inclination and as against any accidental rotary movement. If desired, the frame may be turned around without turning the entire stand, by releasing the bar 15 from the slot 14, and the frame then held in an inclined position by the engagement of the lower end of the bar with the upper edge of the upper tube 9.

To close up the parts, the set screw 10 is loosened so as to permit the post 1 to be drawn out to fold up the legs whereupon the entire base may be slid inwardly and into the lower end of the lower tube 8, and the set screw 10 again tightened to hold the base in its place within the standard. The upper set screw 11 may then be loosened and the screw 13 removed, whereupon the upper tube may be telescoped within the lower tube, or, if desired, the standard may be collapsed before collapsing the base and insert the latter into the lower tube. To finally complete the collapsing operation, the top bars 18 are disconnected from the main or intermediate bar 15 of the frame C, and the bars of the frame folded one upon the other, whereupon, the folded frame may be inserted down into the upper end of the collapsed standard, and the cap disk 24 secured over the end of the standard, by having its recessed lug 26 engaged with the set screw 11.

From the foregoing description in connection with the accompanying drawings, it will be seen that I have provided a simple and efficient construction of incased telescopic collapsible music stand in which one tube of the telescopic tubular standard of the device is susceptible of use as a case in which all of the parts may be inclosed, whereby the musician will be assured of having all of the parts when he picks up the stand and takes it to the place of performance, or from one place to another, and whereby the parts may be easily drawn out and held in properly adjusted position so as to support the music, both the spreading out and collapsing operations being capable of accomplishment in a very expeditious manner.

Having thus described the invention, what is claimed as new is:

1. A music stand, comprising a base, a standard constructed in tubular telescopic sections, a sheet supporting frame, cap

disks carried by the sheet supporting frame and base, and a set screw arranged to hold the sections of the standard in extended relation to each other, said set screw being designed for engagement with one of the cap disks to hold it in place.

2. A music stand, comprising a collapsible base including a post, a collar mounted to slide on the post, legs pivotally connected to the collar, braces pivotally connected to the legs and post, the post being provided at its upper end with a head, a tubular standard adapted to be slipped over the upper end of the post, a sheet supporting frame carried by said standard, and a set screw working in the standard and adapted to bear against the post whereby to hold the post in rigid relation to the collar and standard.

3. A music stand, comprising a base, a standard adapted to be supported on the base, a sheet supporting frame embodying an intermediate bar, and a slotted bushing, the bar being mounted in the slot of the

bushing and pivotally held therein, the bushing being adapted to be slipped into the upper end of the standard, and the said upper end being formed with a slot to receive the intermediate bar of the frame, substantially as described.

4. A music stand embodying a hollow standard constructed in sections, a set screw adapted to hold said sections in extended relation to each other, a collapsible sheet supporting frame adapted to fit within the hollow standard in the collapsed or telescoped relation of the sections thereof, and a cap disk carried by the sheet supporting frame and provided with a recessed shank adapted for engagement by said set screw whereby to hold the cap disk in place.

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

MOORE A. JELLISON. [L. s.]

Witnesses:

WILLIAM E. HAAS,
CHARLES ORTH.