No. 794,503. PATENTED JULY 11, 1905.

J. HOFFMAN.

MUSIC HOLDER.

APPLICATION FILED SEPT. 24, 1904.

2 SHEETS—SHEET 1.

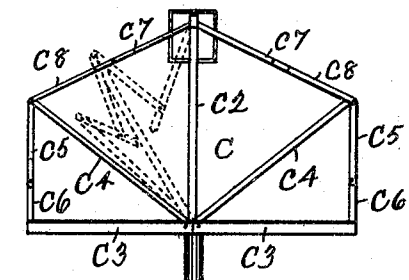


Fig. 1.

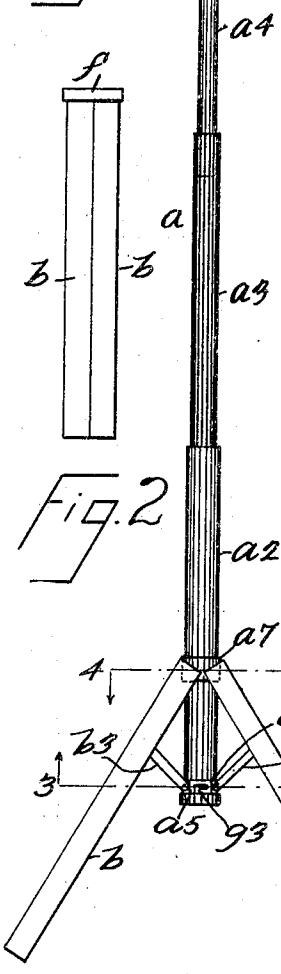


Fig. 2.

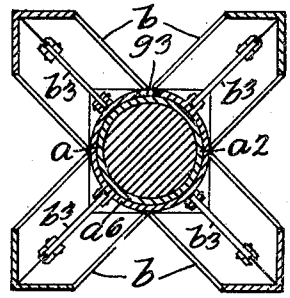


Fig. 3.

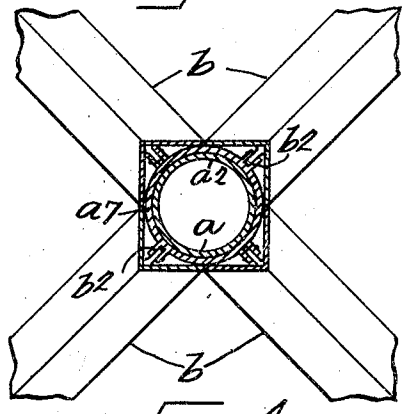


Fig. 4.

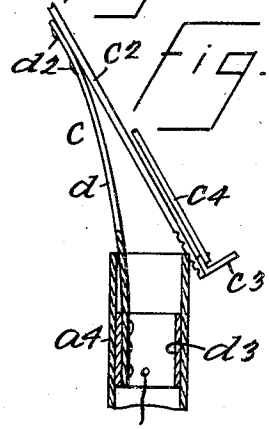


Fig. 5.

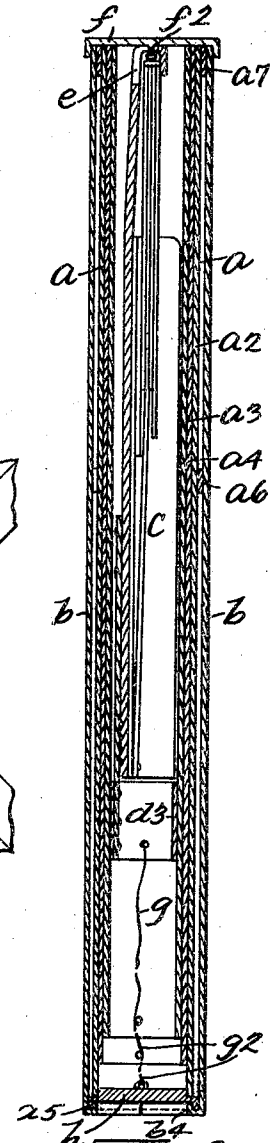


Fig. 6.

WITNESSES

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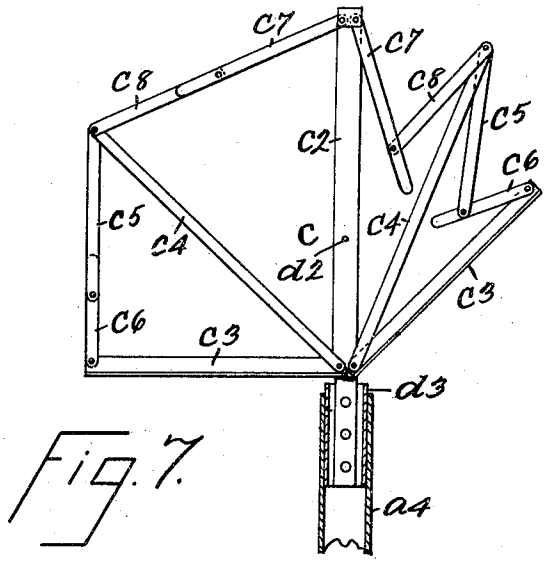


Fig. 7.

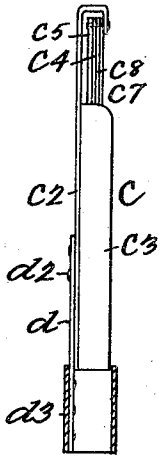


Fig. 8

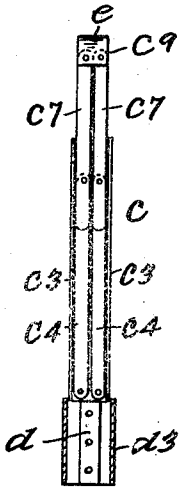


Fig. 9.

WITNESSES

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No. 794,503. Patented July 11, 1905.

UNITED STATES PATENT OFFICE.

JOSEPH HOFFMAN, OF NEW YORK, N. Y.

MUSIC-HOLDER.

SPECIFICATION forming part of Letters Patent No. 794,503, dated July 11, 1905.

Application filed September 24, 1904. Serial No. 225,787.

To all whom it may concern:

Be it known that I, JOSEPH HOFFMAN, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Music-Holders, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved music holder or support the separate parts of which may be compactly folded together so as to form a small and compact body which may be conveniently carried in the hand or in a small package of any kind; and with this and other objects in view the invention consists in a music support or holder constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a front elevation showing my improved music support or holder in position for use; Fig. 2, a similar view showing the music support or holder in a folded condition; Fig. 3, a transverse section on the line 3 3 of Fig. 1; Fig. 4, a similar section on the line 4 4 of Fig. 1; Fig. 5, a sectional view of the top portion of the device as shown in Fig. 1; Fig. 6, a longitudinal section of the device as shown in Fig. 2; Fig. 7, a sectional front view of the top portion of the device as shown in Fig. 1 and showing the music-rack or music-holder proper partially folded; Fig. 8, a sectional side view of the rack or music-holder proper as shown in Fig. 7 and showing the rack fully folded, and Fig. 9 a front view of the device as shown in Fig. 8.

In the accompanying drawings, Figs. 7, 8, and 9 are on a larger scale than Figs. 1 and 2, and Figs. 3 to 6, inclusive, are on a still larger scale.

In the practice of my invention I provide a music support or holder comprising a main upright member a, composed of separate telescopic sections a^2, a^3, and a^4, which are preferably tubular in cross-section, supporting-legs b, and a head or rack c, which constitutes the music-support proper. The bottom end of the bottom tubular section a^2 of the main upright support a is provided with a collar, flange, or rim a^5, and slidably mounted on said section a^2 above the collar, flange, or rim a^5 are collars a^6 and a^7. The legs b in the form of construction shown are triangular in cross-section and are pivotally connected with or hinged to the collar a^7, as shown at b^2 in Fig. 4, and four of said legs are employed in the form of construction shown. The legs b are also connected with the collar a^6 by links b^3, which are pivotally connected with said legs and with said collar, as shown in Fig. 3, and the said legs b are also provided at the bottom thereof with an inwardly and upwardly directed hook member b^4, which in the form of construction shown consists of a flange or rim, as shown in Fig. 6, but which may be made in any desired manner, and in practice when the separate parts of the device are folded together, as shown in Fig. 2, the collar, flange, or rim a^5 at the bottom end of the bottom tubular section a^2 of the main upright member a engages the hook members b^4 at the bottom of the legs b, as shown in Fig. 6, and the parts of the device be thus locked together when in a folded condition.

As shown in the drawings, the separate parts of the main upright member a consist of closely-fitting tubular sections which may be telescoped to any desired extent and which may be provided with any suitable means for preventing their separation—such, for instance, as is shown and described in United States Patent No. 765,187, dated July 19, 1904; but my invention is not limited to any particular means for preventing the separation of the tubular section of the main upright member a, and any suitable devices for this purpose may be employed.

The head or rack c, which constitutes the music-holder proper and on which the music is placed when the device is in use in the usual manner, comprises a main central plate c^2, which ranges in line with the main upright member a, two side arms c^3, pivoted to the lower end thereof, two supplemental side arms

c^4, also pivoted to the lower end of the part c^2 and to the inner ends of the arms c^3, together with links c^5 and c^6, which are pivoted, respectively, to the ends of the arms c^4 and c^3 and to each other, and links c^7 and c^8, which are pivoted, respectively, to the upper ends of the part c^2 and to the arms c^4 and to each other, and the links c^6 in the form of construction shown are shorter than the links c^5, and the links c^8 are shorter than the links c^7. The upper end of the part c^2 of the head or rack c in the form of construction shown is provided with a forwardly-directed hook member c^9, which opens downwardly and in which the parts c^4 c^5, c^7, and c^8 fold when the separate parts of the head or rack are folded together, as shown in Figs. 8 and 9, and the arms c^3 in the form of construction shown are triangular in cross-section, and the parts c^4, c^5, and c^6 fold therein, as shown in said figures.

Secured to the back of the parts c^2 of the head or rack c is a spring d, this connection being made as shown at d^2 in Fig. 5, and the spring d is secured to a sleeve d^3, which fits in and is movable in the upper section a^4 of the main upright member a, and the head c may be compactly folded together, as shown in Figs. 8 and 9, and shoved down into said upper section a^4 of the main upright member a in the operation of folding all the parts of the device together, as shown in Figs. 2 and 6.

The upper end of the part c^2 of the head or rack c is also provided with a longitudinal slot e, which extends partially through the hook member c^9, and a cap f is pivoted to the upper end of the part c^2 of the head or rack c by means of a heated pin f^2, which passes through the slot e, and the cap f may be turned backwardly when the device is in use, as shown in Fig. 1, or it may be used, as shown in Figs. 2 and 6, so as to inclose the upper ends of two parts of the device when folded together, as shown in said figures.

In the form of construction shown the sleeve d^3, with which the spring d, which supports the head or rack c, is connected, is provided with a cord, chain, or other flexible device g, which is secured to the bottom or in the bottom of the bottom tubular section a^4 of the main upright member a and which prevents the withdrawal of the sleeve d^3 from the upper section a^4 of said main upright member; but any other suitable means may be provided for this purpose, and in the form of construction shown the lower end of the bottom section a^2 of the main upright member a is closed by a plate h, and the collar, flange, or rim a^5 is formed on said plate; but this collar, flange, or rim may be formed on the bottom of the section a^2 of the main upright member a, if desired. The lower ends of each of the sections a^2, a^3, and a^4 are also connected by flexible devices g^2, which, like the flexible devices g, are of sufficient length to permit of the drawing out of said sections, as shown in Fig. 1, and at the same time prevent their separation.

The collars a^6 and a^7 are free to slide on the bottom tubular section a^2 of the main upright member a, as hereinbefore stated, and the collar a^7 may be moved upwardly by simply pressing the legs b together, and when the legs b have been pressed together so as to closely inclose the bottom section a^2 of the main upright member a the collars a^6 and a^7 are moved up on said section or said section is moved downwardly through said collars until the rim a^5 engages the hook members b^4 at the bottom of said legs. The telescopic members a^3 and a^4 are then telescoped into the bottom member a^2 and the head or rack c is folded together, as shown in Figs. 8 and 9, the process of folding being partially shown in Fig. 7 and also partially indicated in Fig. 1, and said head or rack is then forced down into the tubular section a^4 of the main upright member a, and in this operation the cap f rests on the upper ends of the parts a^2, a^3, and a^4, as clearly shown in Figs. 2 and 6, and the legs b are locked to the lower end of the part a^2 and the entire device is folded into a compact body, as indicated in Fig. 2. In order to extend the device for use, as shown in Fig. 1, the above-described operation is reversed, or, in other words, the head or rack c is pulled out by grasping the cap f, and this operation if continued will also pull out the sections a^3 and a^4 successively into the position shown in Fig. 1. The outward movement of the sections a^3 and a^4 is limited by the flexible connections g and g^2, as hereinbefore described. After the sleeve d^3 has been pulled up to the top of the section a^4 the head or rack c is swung backwardly, as shown in Fig. 1, and the sleeve d^3 is forced downwardly a short distance, so that the bottom of the head or rack will rest against the top of the section a^4 and hold the head or rack in an inclined position, as shown in Fig. 5, so as to hold the music placed thereon in a more convenient position.

The collar a^6, with which the links b^3 of the legs b are connected, is provided with a bayonet-slot, as shown at g^3 in Fig. 1, and the lower end of the section a^2 with a corresponding pin movable in said slot, and in this way the collar a^6 may be locked in the position shown in Fig. 1, and in order to slide the collars a^6 and a^7 on the section a^2 of the main upright member a the collar a^6 may be partially turned, and when the parts are in the position shown in Fig. 1 the collar a^6 is locked to the section a^2, so as to enable the legs b to operate as a support for the device.

My invention is in no way limited to the form of the separate sections of the main upright member a, nor to the means employed for holding said parts in their extended position, nor to the means employed for holding the sleeve d^3 in the section a^4, the invention

which forms the basis of this application being in the legs *b*, the method of connecting the same with the tubular section a^2, and in the construction of the head or rack *c* and the method of connecting it with the sleeve d^3.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A music-support, comprising a main upright member composed of separate hollow telescopic sections, of which the upper sections are adapted to be telescoped into the bottom section, said bottom section being provided at its lower end with a flange or rim, two collars loosely mounted on said bottom section and adapted to slide thereon, legs pivoted to the top collar and connected with the bottom collar by means of links, said legs being provided at their lower ends with hook members which are adapted to be engaged by the flange or rim on the lower end of the bottom section of the main upright member, a sleeve movable in the upper end of the top telescopic section of the main upright member, a spring connected with said sleeve and adapted to project from said section, a music-rack connected with said spring and adapted to be folded together and to be inserted into said top section, and means for locking the bottom collar to the lower end of the bottom section of the main upright member, substantially as shown and described.

2. A music-support, comprising a main upright member composed of separate hollow telescopic sections, of which the upper sections are adapted to be telescoped into the bottom section, said bottom section being provided at its lower end with a flange or rim, two collars loosely mounted on said bottom section and adapted to slide thereon, legs pivoted to the top collar and connected with the bottom collar by means of links, said legs being provided at their lower ends with hook members, which are adapted to be engaged by the flange or rim on the lower end of the bottom section of the main upright member, a sleeve movable in the upper end of the top telescopic section of the main upright member, a spring connected with said sleeve and adapted to project from said section, a music-rack connected with said spring and adapted to be folded together and to be inserted into said top section, and means for locking the bottom collar to the lower end of the bottom section of the main upright member, said rack being provided with a pivoted cap which when all the parts of the device are folded together incloses one end thereof, substantially as shown and described.

3. A music-rack designed for use in connection with a telescopic music-holder, said rack consisting of a central upright member, two main side arms pivoted to the lower end of said member, two supplemental side arms also pivoted to the lower end of said member, two pivotally-connected links connecting the ends of said arms and two pivotally-connected links connecting the ends of the supplemental arms with the upper end of the main upright member, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 23d day of September, 1904.

JOSEPH HOFFMAN.

Witnesses:
F. A. STEWART,
C. E. MULREANY.