

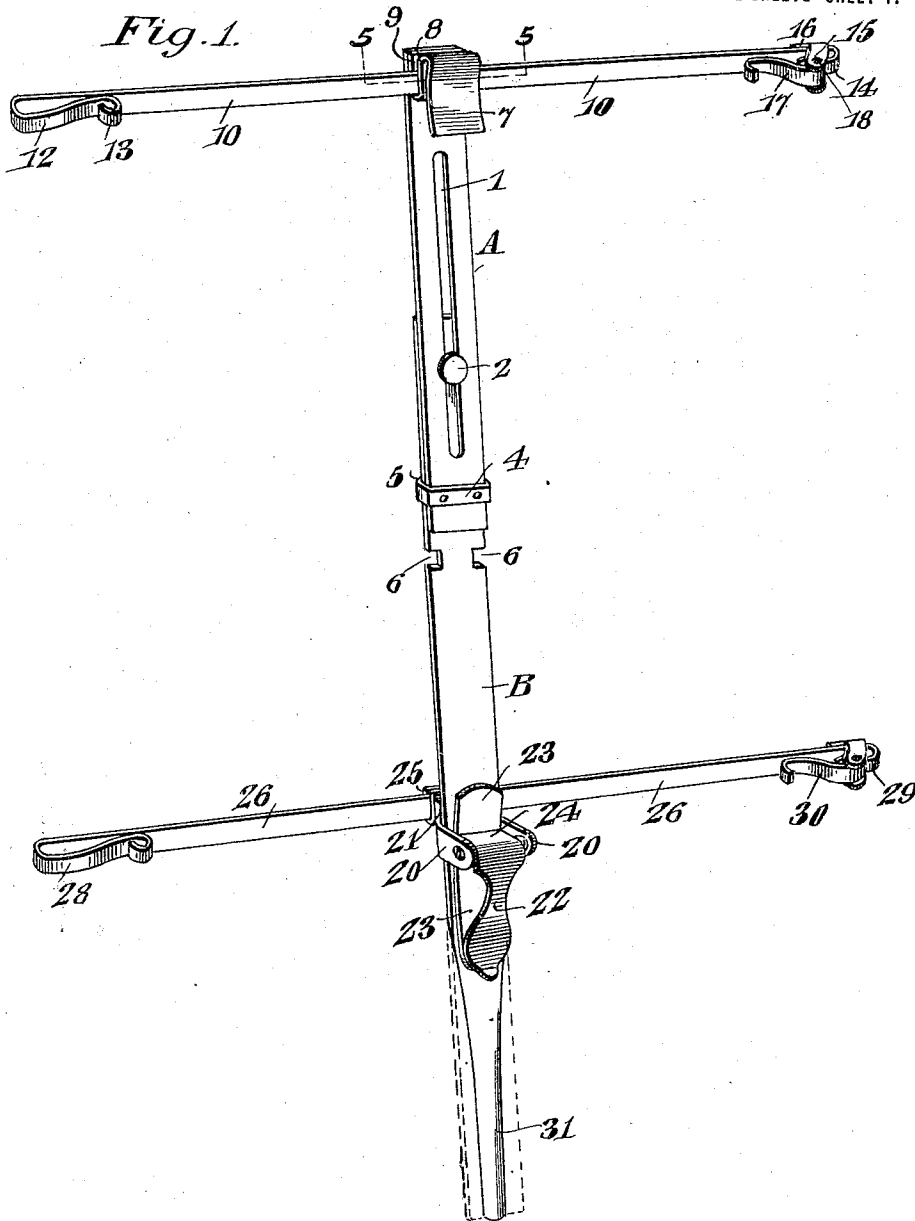
A. E. MARJORAM.
MUSIC HOLDER.

APPLICATION FILED JULY 26, 1915.

1,200,744.

Patented Oct. 10, 1916.

2 SHEETS—SHEET 1.



WITNESSES:

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Alfred E. Marjoram INVENTOR

BY

E. J. Siggers

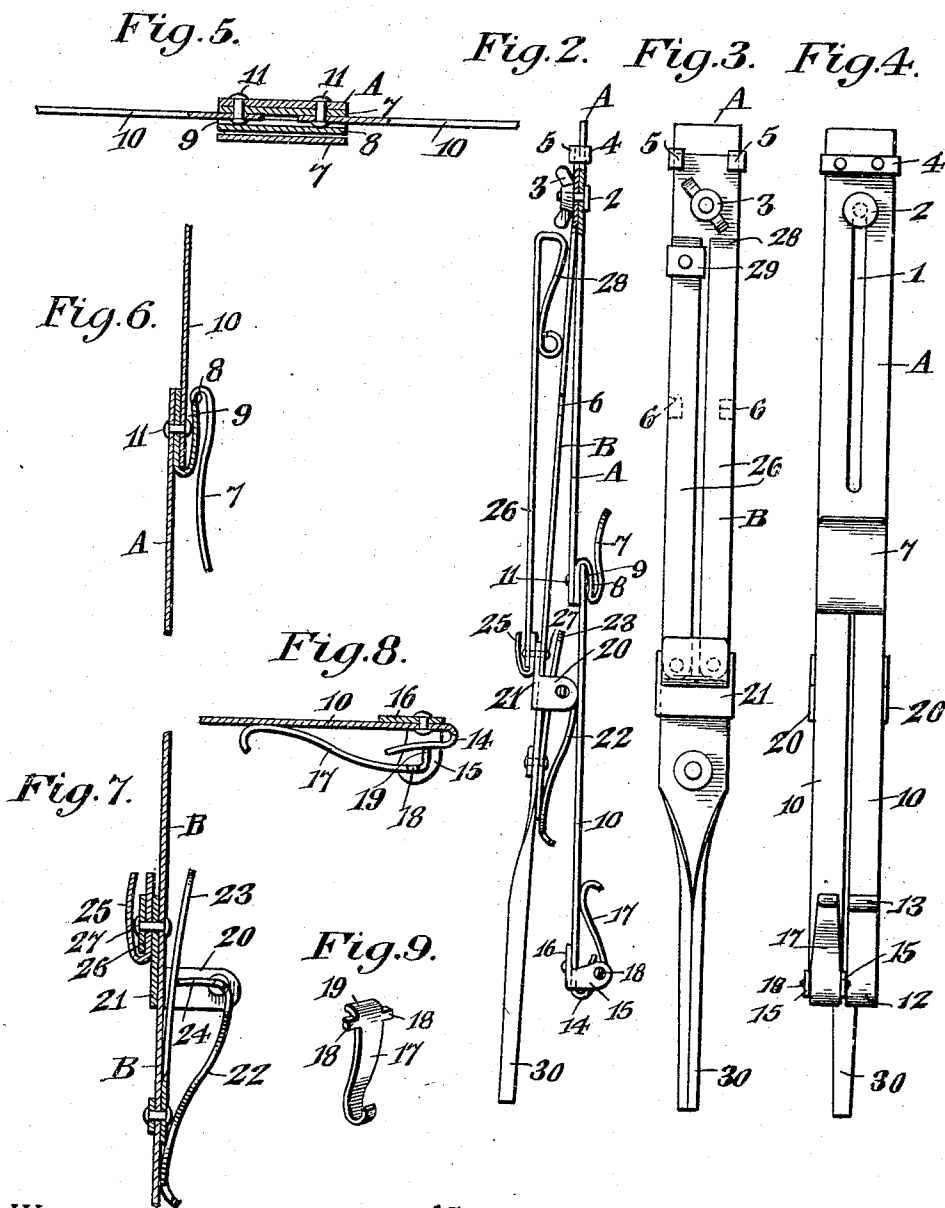
Attorney

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UNITED STATES PATENT OFFICE.

ALFRED EDWARD MARJORAM, OF GRASS VALLEY, CALIFORNIA.

MUSIC-HOLDER.

1,200,744.

Specification of Letters Patent.

Patented Oct. 10, 1916.

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To all whom it may concern:

Be it known that I, ALFRED E. MARJORAM, a subject of England, residing at Grass Valley, in the county of Nevada and State of California, have invented a new and useful Music-Holder, of which the following is a specification.

This invention relates to an improvement in music holders, and the object is to provide means for holding sheet music and books containing music. This appliance is particularly adapted for attachment to musical instruments used by bands and musicians. Considerable difficulty has been encountered in providing a music holder which will support and maintain band music in a position so that the music can be read under trying conditions.

A further object of the invention is in the provision of a holder which can be folded into a small compass so that the musician can insert it in his case without any difficulty.

A still further object is in the provision of a holder which can be manufactured at a small cost and which consists of few parts all of which are of simple construction.

The invention consists of certain novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claims.

It will be evident that changes in the form, proportion, material and minor details of construction within the scope of the appended claims may be made without departing from the spirit or sacrificing any of the advantages of this invention.

In the accompanying drawings, Figure 1 is a perspective view of the invention. Fig. 2 is a view in side elevation showing the music holder in its folded position. Fig. 3 is a view in rear elevation of the holder in its folded position. Fig. 4 is a view in front elevation of the invention in its folded position. Fig. 5 is a horizontal sectional view on the line 5—5 of Fig. 1. Fig. 6 is a vertical sectional view of the clip shown in Fig. 5. Fig. 7 is a detail vertical sectional view through the lower section or member of the music holder, disclosing the clasp and the manner of connecting the lower arms to the lower section or member. Fig. 8 is a horizontal sectional view through an end of one of the arms. Fig. 9 is a perspective view of one of the cam levers.

This invention consists preferably of two sections or members A and B, which are

preferably constructed from flat pieces of metal. The upper section A is provided with an elongated slot 1. A bolt 2 passes through the slot 1 and upper terminal of the lower section B, and screwed upon the bolt is a wing nut 3 for fastening the two sections together. A band 4 is connected to the lower terminal of the upper section A and has its ends bent around forming lugs 5 to engage the rear surface of the lower section B. Notches 6 are formed in the lower section through which the lugs 5 pass so that they may be brought into engagement with the rear surface of the lower section. When the wing nut 3 is released the two sections are capable of longitudinal movement for lengthening and shortening the music holder. When the lugs 5 are in engagement with the rear surface of the lower section B, and the wing nut 3 has been screwed upon the bolt 2, the two sections are rigidly held together. A spring clip 7 is connected to the upper terminal of the section A and has its inner terminal lying parallel with the upper section A, and is then bent vertically, as at 8, for forming a U-shaped opening 9. The clip is then bent downwardly toward the lower terminal of the upper section, forming a space between the section and clip for the reception of a book or sheets of music. A space is formed between the vertical portion 8 and the main body of the clip 7 in which a sheet or sheets of music may be inserted for holding the same.

Pivotally mounted in the U-shaped opening 9 are arms 10, these arms being connected to the clip and upper terminal of the upper section A by means of rivets 11. When the music holder is in its collapsed or inoperative position, the arms are arranged parallel to each other and in alinement with the upper section A. When the arms are to be used for supporting music they are swung laterally or at right angles to the upper section A. One of the arms is provided with a stationary clip 12 which is formed by bending the outer terminal of the arm over and in close proximity to the main portion of the arm, and the extreme end of the arm being rolled or turned back for forming a knob 13 by means of which the clip may be sprung away from the arm to admit the insertion of music therebetween. The other arm has its outer terminal returned upon itself to provide a spring tongue or lip 14 spaced from the outer face of the arm. Ears

15 are connected together by a web 16, which web is connected to the outer terminal of the arm 10 so that an ear is located on each side of the lip 14. A cam lever 17 is provided with trunnions 18 received in openings in the ears for pivotally connecting the lever to the ears. A cam 19 on the lever is adapted to engage the lip 14 for maintaining the lever in engagement with the arm 10.

10 When the lever 17 is in engagement with the arm 10 the leaves of a book or sheet music will be held against movement. Ears 20 are connected together by a web 21, which engages the rear surface of the lower section B, the ears 20 projecting along the sides of the lower section. Journaled in the ears is a cam lever 22. A flat spring 23 is connected to the front side of the lower section B and projects between the ears 20 and beneath the lever 22. A cam 24 on the lever 22 is adapted to engage the spring 23 for forcing the spring inwardly for confining sheets of music between the lower section and the spring. A U-shaped clip 25 is mounted upon the web 21 and received in the U-shaped clip are the inner terminals of arms 26. The arms, clip and web are all connected to the lower section by means of rivets 27. One of the arms 26 is provided with a clip 28 constructed like the clip 12 of one of the arms 10, and the other arm 26 is provided with a lip 29 and cam lever 30 constructed and operated in the same manner as the cam lever 17 and lip 14 of the arm 10 of the upper section A.

35 The lower terminal of the lower section B is preferably flat and conforms to the shape of the main body of the section, as indicated by dotted lines in Fig. 1. It is the intention to bend this lower terminal to cause it to fit and be applied to any instrument. As indicated in Figs. 1, 2, 3 and 4, the lower terminal is shown as being rounded, as at 31. When the music holder is to be used, the arms 10 and 26 are swung laterally, or at right angles with the upper and lower sections A and B, and the two sections are adjusted with respect to each other so that the arms will be separated from each other a sufficient distance to properly support the music, whether it be a book or sheet music.

The lengthwise adjustment of the two sections A and B is accomplished by sliding the upper section along the lower section. After the wing nut 3 has been released, and after the adjustment has been obtained, the nut is again tightened upon the bolt 2 for locking the two sections together. The sheets of music are inserted beneath the stationary clips 12 and 28, and then the cam levers 17 and 30 are swung or moved inwardly for confining the opposite edge or edges of the music. The upper edge of the music may be inserted in the clip 7 and the

lower edge beneath the spring 23, and when inserted beneath the spring 23 the cam lever 22 is moved inwardly for forcing the spring into contact with the music for holding it upon the holder. The clip 7 and spring 23 are used more particularly with books, yet, it is possible to use these clips in connection with the sheet music.

When a book is inserted or applied, the lower edge of the book is inserted beneath the spring, and the clip 7 is moved downwardly over the upper edge of the book so that the book will be confined and held to the two sections. The stationary clips 12 and 28 will engage one edge of the book, and the cam levers 17 and 30 of the other arms will engage the opposite edge of the book, so that the book will be held in a rigid position and the leaves maintained perfectly flat. The arms 10 and 26 and clips 7, 12 and 28, are made of spring steel so that it is possible to spring the clips 7, 12 and 28 over the edges of a book or sheet music for the purpose of confining the same on the holder and maintaining the leaves or pages in a flat condition. The leaves or pages so held will not be affected by weather conditions, such as rain or wind, but rather will be maintained in a position so that the musician can read the notes without any difficulty.

If several sheets of music are applied to the arms 10 and 26, and after using the uppermost sheet it is desired to withdraw one of the lower sheets, the cam levers 17 and 30 are raised permitting the several sheets to be folded back so that the lower sheet can be removed and placed on top of the other sheets. This sheet would be inserted beneath the stationary clips 12 and 28 and then the cam levers 17 and 30 will be snapped down for fastening the sheets in position.

When it is desired to collapse or fold the music holder the arms 10 are swung together, so that they are parallel to each other and lie in the same plane with the upper section A, as indicated in Figs. 2 and 4. The arms 26 are swung parallel to each other and rest against the rear surface of the lower section B. The wing nut 3 is unscrewed sufficiently to allow the upper section to be moved, so that the lugs 5 can be removed through the notches 6, and permit the upper section A to be swung a half revolution so that it will engage against the outer surface of the lower section B.

The lower terminal of the upper section A is now located at the upper terminal of the lower section B, and the lugs 5 are caused to engage the edges of the lower section B at the upper terminal thereof, for maintaining the upper section A against movement. The wing nut 3 is again screwed upon the bolt 2 for forming an additional means for securing the two sections to

gether. The appliance when folded in this manner can be inserted or placed in any instrument case, as it will take up little or no room and not interfere with the insertion of the instrument.

From the foregoing it will be seen that I have provided a device which can be constructed and manufactured at a small cost as all the parts are simple and can be easily assembled.

What is claimed is,—

1. A music holder comprising a lower section, a socket secured against one side of said section and having a bottom providing a shoulder at each end of the socket, a pair of arms hinged in the socket adapted to swing down upon said shoulders and support the arms in a substantially horizontal position, an upper section hinged to the lower section and adapted to be extended upwardly therefrom and to be turned downwardly thereagainst, a second socket secured against the opposite side of said upper section and having a bottom providing a shoulder at each end of the socket, and a second pair of arms hinged in said second socket and adapted to be swung down upon said shoulders to support the arms in a substantially horizontal position.

2. A music holder comprising upper and lower sections, means for adjustably connecting the inner ends of the sections together, each of said sections having upon its outer end a clip for engagement with the adjacent edge of a music sheet, and having a socket adjacent each clip, and a pair of arms hinged in the socket of each section and having music engaging clips on their outer ends to hold the outer edges of the music sheet.

3. A music holder comprising upper and lower sections, said upper section having an elongated slot, a clamping bolt passing through the slot and through the upper terminal of the lower section for adjustably connecting the two sections together, said lower section being provided in its opposite edges with notches, lugs on the lower terminal of the upper section adapted to pass through said notches for engagement with the rear side of the lower section to hold the sections from turning about said bolt, said bolt being adapted to be released for movement in the slot and said upper section being adapted to be slid downwardly to register the lugs with the notches to release the lower end of the upper section so that the upper section may be swung down against the lower section to register the lugs over the upper end of the lower section, the upper section being further adapted to be slid downwardly to move the bolt in the slot and engage the lugs about the upper end of the lower section, the clamping bolt being adapted to be tightened to bind the sections and the lugs together, arms pivot-

ally connected to each section and adapted to be swung to a horizontal position, and means on the arms for fastening music sheets thereto.

4. A music holder comprising a lower relatively long section, a socket secured across the outer side of said section, a pair of arms hinged in said socket and adapted to be swung upwardly into parallelism with each other and against the outer side of said section, an upper relatively short section pivotally mounted against the inner side of said lower section, a socket secured across the outer side of said upper section, and a second pair of arms hinged in said second socket and adapted to be swung upwardly into parallelism with each other and in line with the second section, said second section with its folded arms being adapted to be turned down against the inner side of said lower section whereby the arms and the sections when folded are adapted to lie substantially within the lateral edges and within the ends of the lower section.

5. A music holder comprising upper and lower sections, means for adjustably connecting the sections together, a clip connected to the upper terminal of the upper section, said clip having a terminal thereof bent upwardly for forming a U-shaped opening, and the opposite terminal thereof bent downwardly forming an inverted U-shaped opening adapted to receive the upper edge of a sheet of music for fastening the sheet of music to the upper section, arms received in the U-shaped opening of the clip and pivotally connected to the clip and upper section, and means on the arms for fastening the sheet of music thereto.

6. A music holder comprising upper and lower sections, said upper section being provided with an elongated slot, means passing through the slot of the upper section and through the upper terminal of the lower section for fastening the two sections together, said lower section having notches formed in the edges thereof, a band on the lower terminal of the upper section adapted to pass through the notches of the lower section and engage the inner surface thereof for holding the two sections in alinement, said means being adapted to be released for movement in the slot and said upper section being adapted to be slid downwardly to register the band with the notches to release the lower end of the upper section so that the same may be swung down against the lower section, arms pivotally connected to the upper and lower sections and adapted to be swung to a horizontal position, and means on the outer terminals of the arms for fastening music thereto, the lower terminal of said lower section being adapted to be bent for fastening the music holder to an instrument.

7. A music holder comprising upper and lower sections, said upper section having an elongated slot formed therein and having means slidably engaging the lower section to hold the sections from edgewise displacement and from movement away from each other, said means being adapted to be detached from the lower section when the sections are slid inwardly to a predetermined position, means passing through the elongated slot and through the upper terminal of the lower section for adjustably fastening the two sections together, independent laterally extending arms pivotally connected to the upper and lower sections, means on the outer terminals of the arms for fastening music thereto, said arms of the upper section when the holder is folded being adapted to be swung vertically so that they will lie parallel and in the same plane with and extend from the upper section, while the arms of the lower section are adapted to be swung so that they will lie against the inner surface of the lower section and parallel to each other, said sections being adapted to be slid inwardly and released and then swung so that the two sections will be ar-

ranged one against the other with the arms in the positions stated.

8. A music holder comprising a pair of flat sections overlapping at their inner ends, a combined pivot and clamping bolt carried by one end and slidably engaging the other end, interlocking means on said ends adapted to be engaged and released by the relative longitudinal movements of the overlapping ends, and a pair of music holding arms pivoted on the outer end of each section and adapted to be swung into parallelism with their respective sections, one of said sections when said means is released being adapted to be swung about said pivot bolt into position against the side of the other section, said bolt being adapted to be tightened to clamp the sections when extended and when folded.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALFRED EDWARD MARJORAM.

Witnesses:

WILLIAM KEMP,
JOHN BENNETT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."