Nov. 4, 1941. H. J. WAECHTER 2,261,908

MUSIC REST

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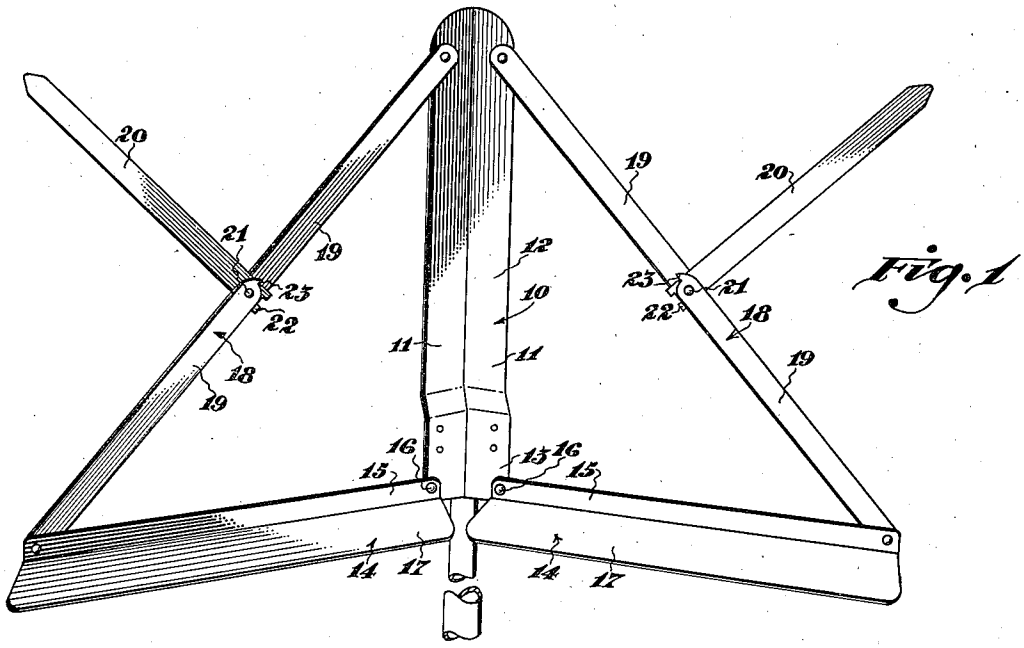

Fig. 1

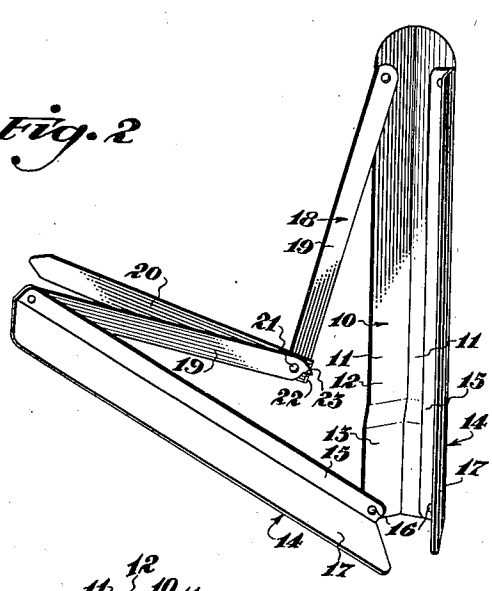

Fig. 2

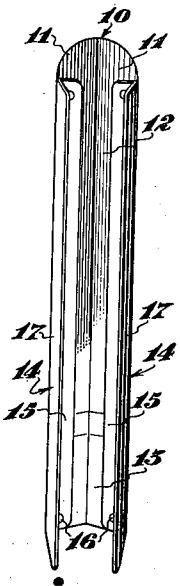

Fig. 3

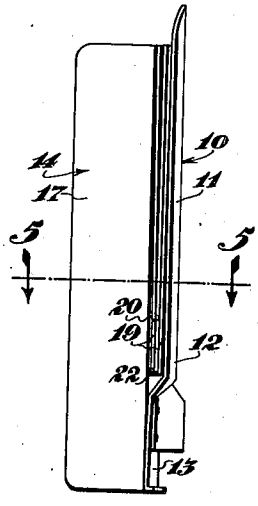

Fig. 4

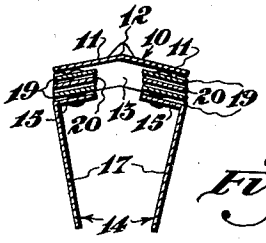

Fig. 5

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MUSIC REST

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5 Claims. (Cl. 45—121)

This invention relates to supporting means for sheet music, books, etc. More particularly the invention is directed to a rack designed to support the sheets of music or book in substantially vertical position with the pages in angular relationship when open for reading. This type of rack is ordinarily mounted at the top of a tripod stand or the like. Also it is foldable and, in this respect, it is of importance that it fold into an extremely compact unit. Moreover, it should be conveniently and quickly set up or disposed in position for use. The construction of a rack, which will support the sheets in angular arrangement and fold conveniently and compactly, presents problems of fabrication and proper assembly.

Accordingly, it has been the object of the present inventor to provide a foldable rack for the purposes disclosed, which will provide, when set up, supporting surfaces slightly angularly related, which is set up from a compact folded position to fully set-up position by a simple operation, which sets up to the correct position without attention or adjustment, and which incorporates a novel arrangement of the main or central strip, greatly facilitating the manufacture and extremely effective toward the end of compactness in folding.

Other objects and certain advantages will be more fully apparent in a description of the accompanying drawing in which:

Figure 1 is a front perspective view of the improved rack.

Figure 2 is a view similar to Figure 1 but showing the rack partially folded.

Figure 3 is a front view showing the rack completely folded.

Figure 4 is a side view of the rack.

Figure 5 is a sectional view taken on line 5—5, Figure 4 detailing the arrangement of the elements when folding.

The rack or rest of the type concerned herein is usually mounted at the top of a tripod stand. The invention here is not concerned with the tripod and post arrangement. For this reason, the support is not shown in the drawing except for fragments of the upper end.

The improved rest is formed of strips of metal. A central strip 10 provides the base or body portion and constitutes the element upon which all the parts are folded. This strip is pressed to provide angularly related flanges 11—11.

A socket is riveted to the lower end of the strip 10. For reasons which will be more apparent later, the strip is also pressed to provide a depressed portion 12 extending from the top substantially to the lower end and leaving a portion 13, to the back of which the socket is attached and to the front of which the adjacent ends of the rest elements 14—14 are attached. These elements 14—14 are angular and their vertical flanges 15—15 are secured to the respective sides of the strips by means of rivets or pins 16 loosely set so that a pivotal action of the rests is possible. The other flanges 17—17 of the rest constitute the horizontal supports for the book or sheets of music.

These rests, when down in service position as shown in Figure 1, are supported by means of linkages extending from the tip of the central strip to the ends of the rests. Specifically, each linkage 18 consists of two links 19—19 pivotally attached at their adjacent ends and pivotally attached to the central strip and the particular rest at their respective outer ends. As an additional support or back rest for the sheets or books, a metal strip 20 is associated with each linkage, being attached thereto at the pivotal connection 21 between the respective links of each linkage and projecting at right angles outwardly and upwardly when in service position.

The alignment and squaring of the link parts 19—19 is achieved by means of a stop 22 formed on the inner end of the additional strip. This stop is formed by turning a portion of the end forwardly into position where it will lie against the side of the lower link and will thus prevent rotation at the central pivot beyond the aligned position of the links of the linkage.

The curved end of the lower link in each case is cut away to provide an abutment 23. This abutment comes into contact with the stop 22 on the strip 20 when the parts are folded, thereby causing the additional or extended element 20 to become aligned with the lower link (see Figure 2).

Now, when the stand is folded into the position indicated in Figures 3, 4, and 6, the links and the additional extension fold into different planes, all of which lie within the confines of the depression 12 in the angular strip. Accordingly, it will be seen that the folded stand is compact, despite the angular back strip 10, and that, furthermore, the operation of setting up the stand is simple.

Thus, when the stand is set up, the operator simply pushes the rest elements downwardly and the linkages and back supports automatically assume the correct positions as illustrated.

I claim:

1. A rack for music or the like comprising; an

angular strip disposed centrally of the rack, rest elements pivotally attached to the lower end of the angular element, sectional linkage supporting the outer end of each rest from the top of the angular strip, back rest elements extending at right angles from the joints of the linkage sections, and stop means incorporated at said joints for causing the sections of the linkage to be self-aligning for causing said back rest elements to assume positions directly at right angles to the linkages.

2. A music stand comprising; a central strip, rests pivoted at the lower end of the strip and extending outwardly from opposite sides of the strip when in position of use, said rests extended angularly relative to each other in the form of a shallow V, linkages supporting the respective outer ends of the rests and being attached to the upper end of the central strip, and means for causing automatic alignment of the elements of the linkages when the rests are in position.

3. A music rest comprising a central strip, rests provided with ledges, said rests pivoted to and extending outwardly from the lower end of the strip, said strip including a depressed portion above the pivotal attachment of the rests, pivotally connected links attached to the respective outer ends of the rests and to the upper end of the strip, and a supporting strip extending at right angles from each aligned linkage and attached to the pivotal connection between the links of the linkage, said links and strips adapted to fold in different planes and to lie within the depressed portion of the strip when folded.

4. A music rack comprising, a strip of metal of V-form in transverse cross-section, rests pivoted to each corner of the lower end of the strip and extended in the same general direction as the arms of the strip of V-form, sectional linkage connecting the respective outer ends of the rests to the respective upper corners of the strips and, back rest elements extending at right angles from the joints of the linkage sections.

5. A music rack comprising, a strip of metal of V-form with its flanges extending angularly forwardly and constituting the central element of the rack, rests pivoted to each corner of the lower end of said strip, each rest extending in the same general direction as the flange to which it is connected, and means for supporting the rests in positions at right angles to the longitudinal extent of strip.

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