

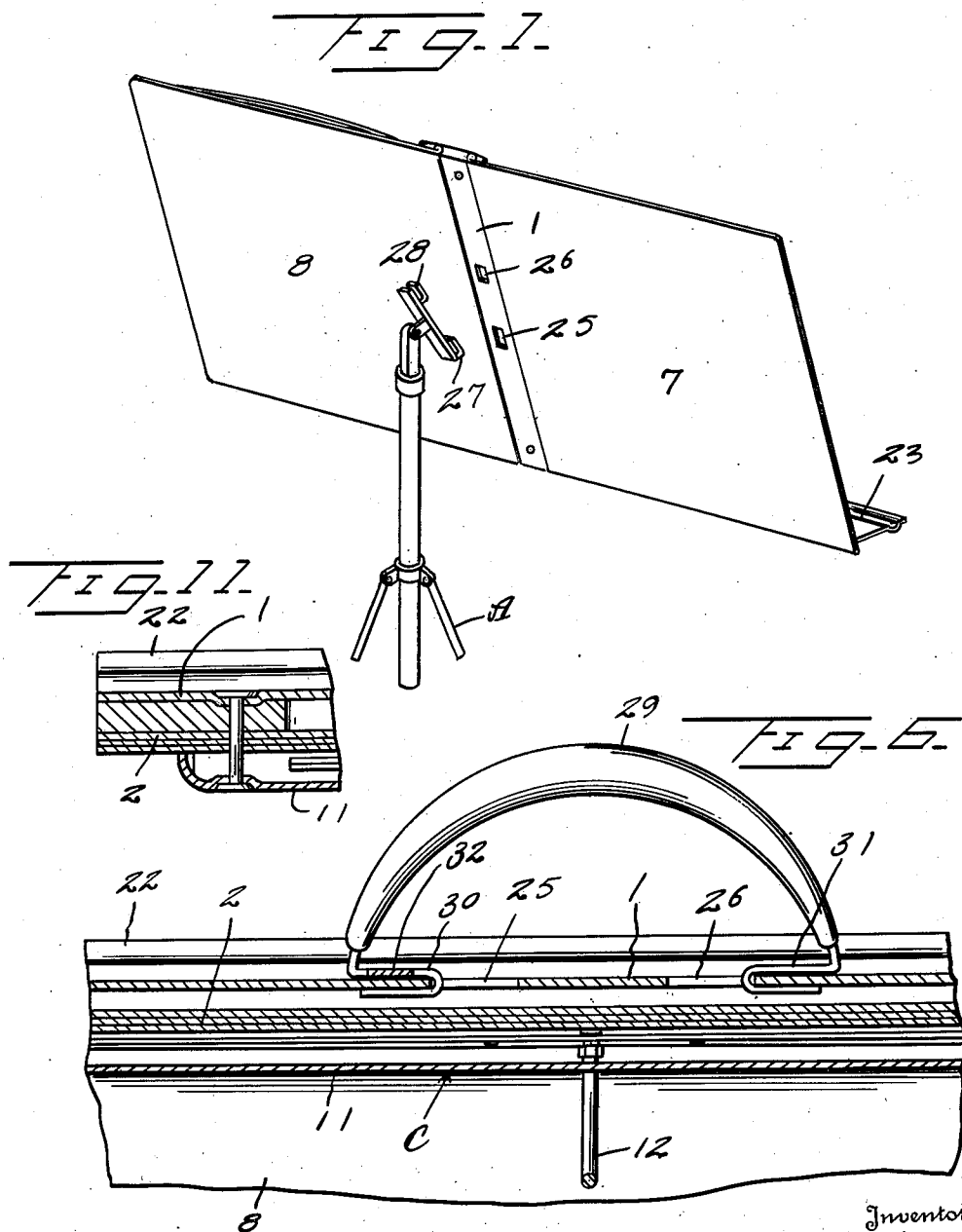
June 28, 1949.

K. KITCHEN
COMBINATION LOOSE-LEAF BINDER
AND MUSIC STAND TABLE

2,474,532

Filed Aug. 7, 1946

4 Sheets-Sheet 1



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4 Sheets-Sheet 2

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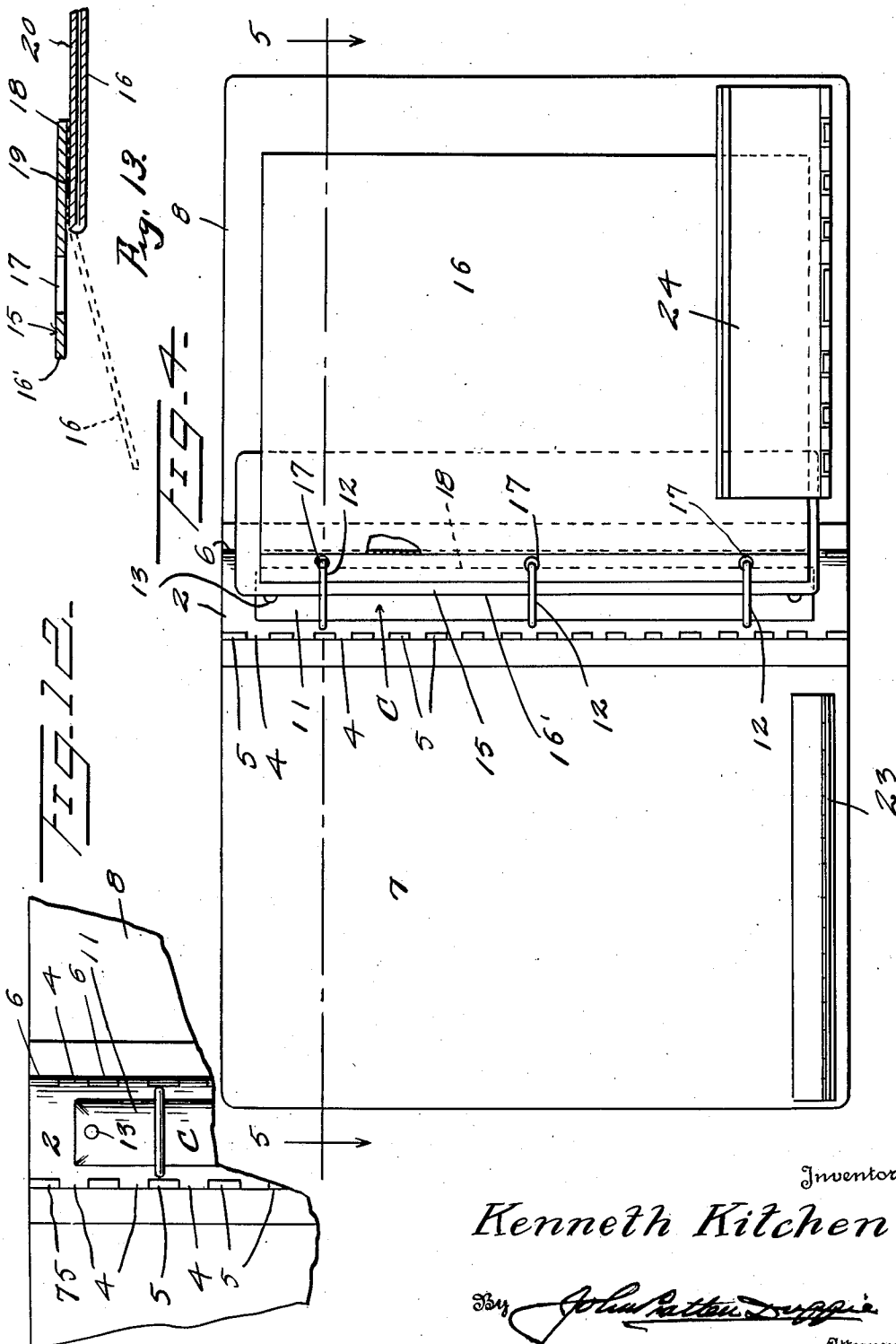
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UNITED STATES PATENT OFFICE

2,474,532

COMBINATION LOOSE-LEAF BINDER AND
MUSIC STAND TABLE

Kenneth Kitchen, Fostoria, Ohio

Application August 7, 1946, Serial No. 688,937

3 Claims. (Cl. 45—121)

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This invention relates to new and useful improvements in a combination loose leaf binder and music stand table.

One object of my invention is to provide a portable loose leaf binder that can be readily carried about and easily fastened to the base of an ordinary music stand. When so attached, the binder becomes the table or desk of the stand.

A further object of my invention is to provide the front and back covers of the binder with rolled edges, which will prevent the covers from opening more than 180 degrees, and stabilize the binder by binding against the center section in two places.

A still further object of my invention is to provide the front and back covers of the binder, at their inner faces and bottom, with folding ledges, which serve as shelves for additional music or material of temporary usefulness.

Still another object of my invention is to provide a mounting strip of gummed paper, which will permit folded music or material to open fully, without possibility of damage to the music because of the metal rings of the binder.

Still yet another object of my invention is to provide a device of the character specified that provides a solid surface or support for music or manuscripts, and permits each sheet to open completely and lie flatwise, thus keeping all material in perfect order.

Another object of my invention is to provide a spring carrying handle for the binder that may be engaged with the same slots of the center piece that accommodate the clips of the stand base.

A further object of my invention is to provide a loose leaf binder and music stand table that can be manufactured from light metal, plastic, or similar material.

With the foregoing and other objects in view that will appear as the nature of my invention is better understood, the same consists in the novel features of construction, combination and arrangement of parts illustrated in the accompanying drawings and more particularly pointed out in the appended claims.

In the accompanying drawings, which are for illustrative purposes only and are therefore not drawn to scale:

Figure 1 is a perspective view, illustrating how

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the device is applied to the base of an ordinary music stand.

Figure 2 is a side elevation of my combination loose leaf binder and music stand table, in compact or folded form.

Figure 3 is an enlarged horizontal section, taken on line 3—3 of Figure 2.

Figure 4 is a face view of the device in open position.

Figure 5 is a horizontal section, taken on line 5—5 of Figure 4.

Figure 6 is an enlarged vertical longitudinal section, taken on line 6—6 of Figure 3.

Figure 7 is a vertical transverse section, taken at right angles to Figure 6.

Figure 8 is a detail vertical transverse section, taken on line 8—8 of Figure 5.

Figure 9 is a similar view, taken on line 9—9 of Figure 5.

Figure 10 is a detail fragmentary view of the center section and associated parts.

Figure 11 is a vertical longitudinal section, taken on line 11—11 of Figure 3.

Figure 12 is an enlarged detail fragmentary face view of the center ring assembly, and Figure 13 is a detail sectional view of one of the gummed binding or mounting strips and associated parts.

Referring to the drawings for a more particular description of my invention, and in which drawings like parts are designated by like reference characters throughout the several views, A designates the base of an ordinary music stand, and B my combination loose leaf binder and music stand table, as a whole.

Specifically, my invention comprises the hollow bar-like center section 1, of rectangular form in cross section, to the inner face of which is secured the perpendicular supporting strip 2. The side edges 3 of the supporting strip 2 extend somewhat beyond the corresponding edges of the center section 1 and are formed, each, with a series of longitudinally spaced eyes or sleeves 4, which are disposed in alternating and interlocking relation, with the eyes or sleeves 5 and 6, formed at the inner edges of the front and back covers 7 and 8, respectively. Flexible elements 9 and 10 of wire, plastic or other suitable material, extend through the eyes or sleeves 4 of the supporting strip 2 and the sleeves 5 and 6 of the

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front and back covers, and co-act with the aforesaid sleeves in hingedly connecting the front and back covers to the supporting strip.

The center ring assembly C of the binder, consisting of the metal bar 11 and rings 12, is of the usual conventional form now in use, and the bar 11 is rigidly secured to the front face of the supporting strip 2 and the center section 1, by means of the transverse fastening bolts 13 and nuts 14. The heads 13' of the fastening bolts 13 are preferably counter-sunk, as shown.

In carrying out my invention, the binder is provided with a series or plurality of gummed binding or mounting strips 15, for the individual sheets, as 16, of music or other material. As shown, the inner edge 16' of each mounting strip is plain or ungummed and provided with a series of transverse openings 17 to receive the rings 12 of the center ring assembly C, while the outer edge 18 of each mounting strip is gummed for application to the inner edge and back face 19 of the right hand section or page 20 of the corresponding sheet. The mounting strips 15 permit the folded music or other material to open fully and lie flat, even in a full binder, without liability of damage or injury to the material because of the metal rings 12.

As shown, the inner side edges of the front and back covers 7 and 8 are provided with the rolled edges 21 and 22, respectively, which bind against the side edges of the center section 1 and the projecting side edges of the supporting strip 2 and prevent the covers from opening more than 180 degrees, while at the same time stabilizing the binder.

The front and back covers 7 and 8 are also provided at their inner faces and bottom, with the hinged folding ledges 23 and 24, which form shelves for additional music or material of temporary usefulness.

The center section 1 is provided in its central portion, with a pair of corresponding elongated slots 25 and 26, adapted to accommodate the clips 27 and 28 of the base A of an ordinary music stand, and when so attached, the binder becomes the table or desk of the stand.

The device is equipped with a spring carrying handle 29, of approximately semi-circular form, terminating at opposite ends in the U-shaped prongs or clips 30 and 31, adapted to engage the same slots 25 and 26 of the center section 1 that receive the clips 27 and 28 when the device is mounted on the base A. The clip 30 is provided with a cross brace 32, formed at opposite ends with the arcuate lips 33, which fit over the rolled edges of the front and back covers, when the handle is in place.

From the foregoing description taken in con-

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nection with the drawings, it is thought that the construction, operation and advantages of my invention will be readily understood, without requiring a more extended explanation.

Various changes in the form, proportions and minor details of construction may be resorted to without departing from the principles or sacrificing any of the advantages of my invention, as defined in the appended claims.

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

1. In a combined loose leaf binder and music stand table, a center section, a supporting strip secured to the front face of said center section, front and back covers hinged to the side edges of the supporting strip, and hinged folding ledges at the front faces and bottom of the front and back covers and forming shelves for additional music or material of temporary usefulness.

2. In a combined loose leaf binder and music stand table, a hollow bar-like center section formed with a pair of corresponding longitudinally spaced slots adapted to accommodate the base of a music stand, a supporting strip secured to the front face of said center section, front and back covers hinged to the side edges of the supporting strip, and a center bar and ring assembly rigidly secured to the center section and supporting strip.

3. In a combined loose leaf binder and music stand table, a hollow bar-like center section, formed in its body with a pair of corresponding longitudinally spaced slots, a supporting strip secured to the front face of said center section, front and back covers hinged to the side edges of the supporting strip, and a spring handle formed at opposite ends with U-shaped clips or hooks adapted to engage the slotted portions of said bar-like center section, when the combined binder is in a closed position for carrying.

KENNETH KITCHEN.

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