

Jan. 30, 1940.

G. E. HALL

2,188,602

MUSIC STAND

Filed Dec. 23, 1937

2 Sheets-Sheet 1

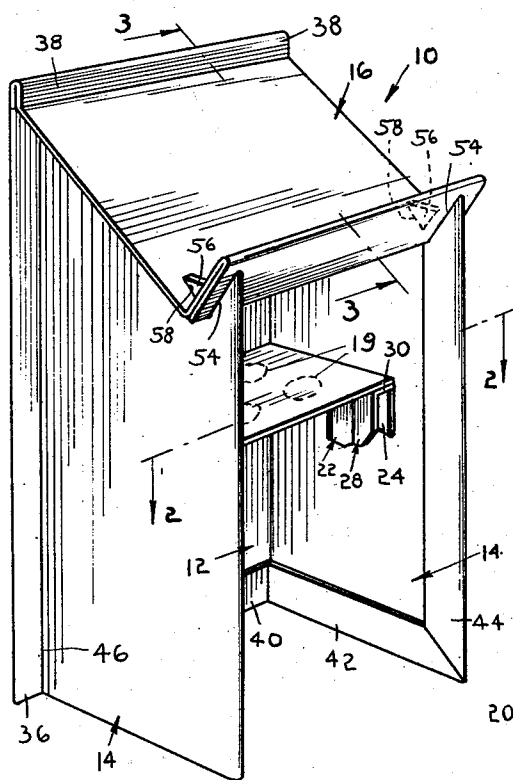


Fig. 1.

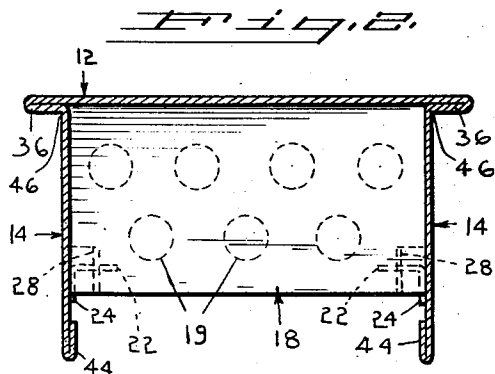


Fig. 2.

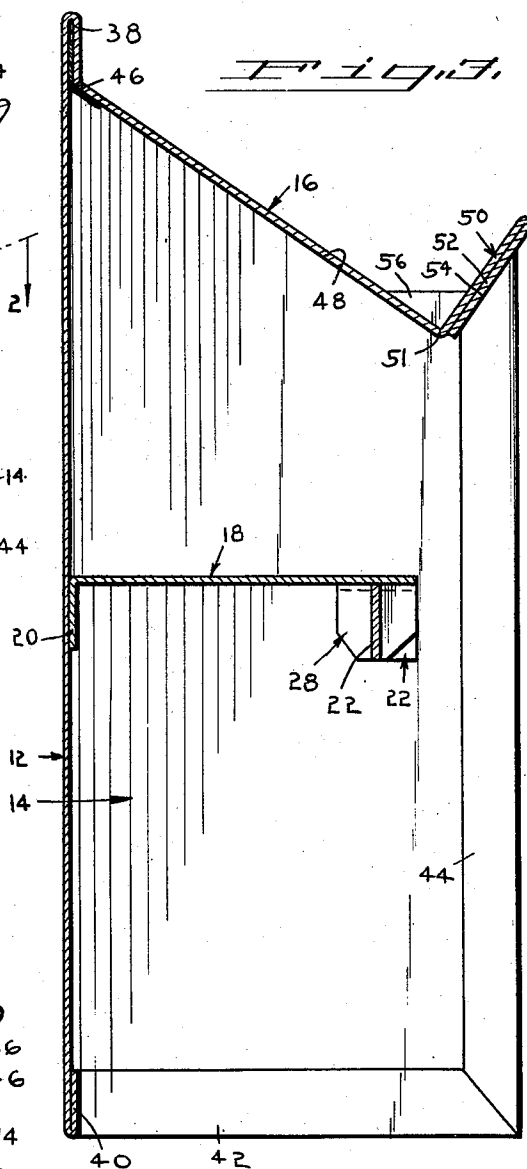


Fig. 3.

Inventor

GEORGE E. HALL.

Edwin Leisner

Attorney

Jan. 30, 1940.

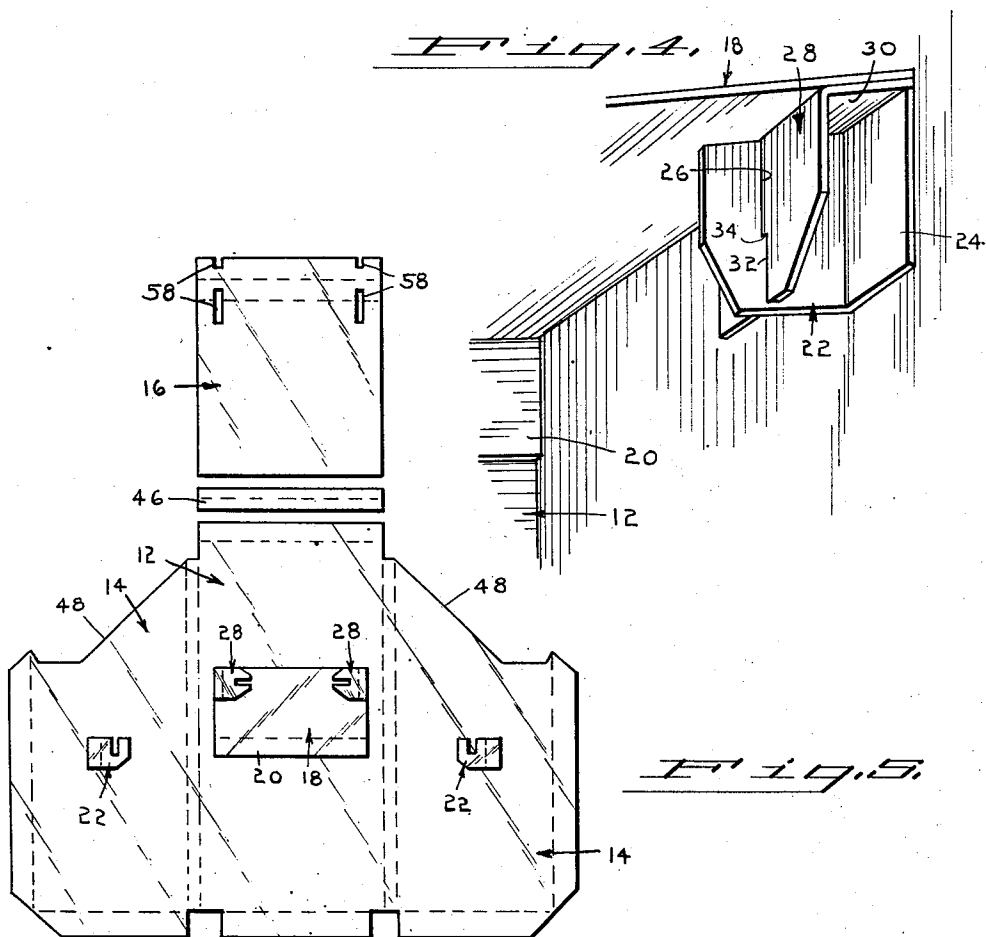
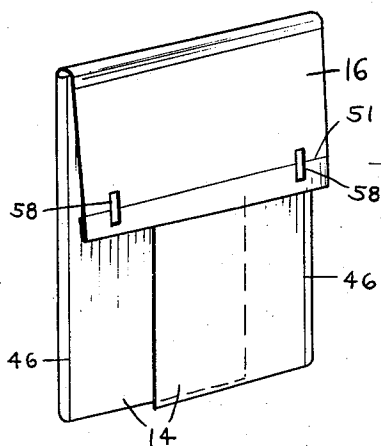
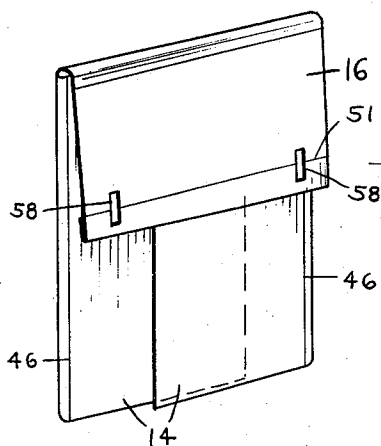
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2 Sheets-Sheet 2



Inventor

GEORGE E. HALL.

Edwin Leisner

Attorney

UNITED STATES PATENT OFFICE

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MUSIC STAND

George E. Hall, Kalamazoo, Mich.

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4 Claims. (Cl. 45—60)

This invention relates to music stands and has for its main object the provision of a stand which is collapsible or foldable and of light weight so that it is readily portable.

Another object of the invention is the provision of music stands which can be produced at such low cost that it is financially practical for an orchestra or other musical organization to own a plurality of sets of stands which can be left at various places at which the orchestra may play at different times thereby making it unnecessary to carry the stands from one place to the other.

A further object of the invention is to provide music stands which conveniently lend themselves to ornamental treatment or decoration or for harmonizing the same with the surroundings of the places where the orchestras may play.

A yet further object of the invention is generally to provide a music stand of the character described which can be made of sheet material and which is of improved appearance and utility.

The above objects of the invention and other objects which might hereinafter appear will be best understood from the following description considered with reference to the accompanying drawings.

In the drawings:

Fig. 1 is a perspective view of a music stand embodying the present invention;

Fig. 2 is a horizontal sectional view on the line 2—2 of Fig. 1;

Fig. 3 is a vertical sectional view on the line 3—3 of Fig. 1;

Fig. 4 is a fragmentary perspective view of a part of the stand;

Fig. 5 is a plan view of the parts from which the stand is made, and

Fig. 6 is a perspective view of the stand in collapsed or folded condition.

Referring now to the drawings in greater detail, the music stand 10 is made of any suitable sheet material which is relatively stiff, preferably corrugated paper board of conventional three ply construction having flat outer layers between which an inner corrugated layer is secured. Said stand as here shown comprises a vertical front wall 12, spaced vertical side wall 14 and a downwardly inclined horizontal top 16, all of which may be made of corrugated paper, card-board, or any other suitable sheet material. Said stand also comprises an inner shelf 18 of cardboard or corrugated paper board. Said shelf is foldably secured by means of its flange portion 20 to the innerside of front wall 12 and which extends for the full width of the stand between side walls 14.

Said flange 20 may be secured to wall 12 in any suitable way as, for example, by means of an adhesive.

Shelf 18 is releasably supported in horizontal position by brackets 22 which are foldably connected to side wall 14 each by means of its flange portion 24 secured to said side walls respectively in any suitable manner, as for example, by means of an adhesive. Each bracket 22 is provided with a vertical slot 26 open at the top edge of the bracket and terminating short of the lower edge of said bracket. Provision is made for releasably securing shelf 18 to brackets 22 and for this purpose said shelf is provided with members 28 which interlock with bracket 22 as illustrated in Figs. 1 and 4. Each member 28 is foldably connected to the surface of shelf 18 by its portion 30 which may be secured in position in any suitable way, preferably by means of an adhesive. Each member 28 is provided with a slot 32 in which the portion of bracket 22 below its slot 26 is received when members 28 are interlocked with said brackets, the portion of member 28 which is received in slot 26 of bracket 22 is continuous and provides shoulder 34 which engages the bottom edge of slot 26 in bracket 22. Brackets 22 and members 28 besides constituting to releasably support shelf 18 in horizontal position also constitute interlocking means for releasably holding the front wall 12 and the side walls 14 of the stand in proper operative relation for supporting the top 16 and further together with shelf 18 reinforce the stand and make the same more sturdy when unfolded and in use. Shelf 18 may be used to support music sheets and as here shown is provided with openings 19 for supporting parts, such as mutes and mouthpieces of musical instruments.

It will be observed more particularly from an inspection of Figs. 1, 2 and 3 that the walls of the stand are reinforced at their edges by vertically extended folded portions 36 adjacent the front and side walls of the stand, by the top folded portion 38 of front wall 12, by the inwardly folded bottom portion 40 of front wall 12, by the inwardly folded bottom portions 42, and vertically extending folded portions 44 of side walls 14. Said folded portions 36 to 40 inclusive are preferably secured permanently to the adjacent surface portions of walls 12 and 14 respectively in any suitable manner preferably by means of an adhesive.

It will be understood that side walls 14 are foldable inwardly in relation to front wall 12 and in overlapping relation to each other along fold

lines 46 at the junction of said side walls with the inwardly folded portions 36 of front wall 12. Thus, comparing Figs. 1 and 6 it will be observed that side walls 14 can be folded from the position illustrated in Fig. 1 wherein side walls 14 are in-
 5 disposed in extended position at right angles to front wall 12 in the operative condition of the stand to the overlapping folded position in which said walls overlapped each other and lie
 10 substantially flat in parallel relation to said front wall in the collapsed condition of the stand.

Top wall 16 is foldably secured to front wall 14 and more particularly to the downwardly folded portion 38 thereof by means of a strip 46
 15 of suitable flexible sheet material, such as linen cloth, said strip extending preferably for the full width of top 16. As said top is supported in a downwardly inclined position by side walls 14 the latter have downwardly inclined upper edge
 20 portions 48 on which top 16 rests when the stand is unfolded and assembled for use. Said top is provided with an upwardly extending folded portion 50 to provide a retaining ledge for the music placed on the top. Said retaining ledge is fold-
 25 able along a line 51 so that the entire top may be in flat condition when the stand is collapsed and folded. The ledge portion 50 of said box is reinforced by a folded portion 52 secured to the underside of the marginally edge portion of
 30 the top in any suitable way as, for example, by means of an adhesive. Ledge 50 is supported in upwardly and outwardly extending relation as clearly shown in Figs. 1 and 3 by means of the
 35 upwardly inclined edge portions 54 of side walls 14. Top 16 is releasably secured in position illustrated in Figs. 1 and 3 by the engagement of intermediate portions 56 of the front edges of
 40 side walls 14 between their inclined edge portions 48 and 54 in slots 58 provided adjacent the side edges of top 16.

The stand constructed as above described may be made from the blanks of material illustrated in Fig. 5. It will be observed from an inspection
 45 of Fig. 5 that front wall 12 and side walls 14 are formed from a single blank and it will be understood that the dotted lines indicate lines of fold. Top 16 is formed from a single blank of material which is folded along the dotted lines in making the same. Shelf 18, and interlocking
 50 members 22 and 28 which are also preferably made of corrugated paper board, are formed from separate pieces of material and are secured in the above described position and relation as hereinbefore set forth. It will be under-
 55 stood that while top 16 is preferably made from a separate blank of material for convenience in manufacture it can be formed integral with the blank material from which walls 12 and 14 are formed. Further it will be under-
 60 stood that while side walls 14 are shown formed integral with front wall 12, said side walls can be made as initially separate parts and subsequently attached to front wall 12.

It will be appreciated that as the music stands embodying the present invention are made of
 65 sheet material, said stands are readily susceptible of pleasing ornamentation and decoration as may be desired. The stands may be provided in different colors readily obtained by the
 70 color of the sheet material utilized in making the stands, and if desired additional decorations may be readily applied to the surface of said sheet material.

75 Thus it is seen that the music stands con-

structed as herein shown and described are well adapted to accomplish the object of the present invention.

It will be understood, however, that the invention may be embodied otherwise than as here
 5 shown and that in the illustrated embodiment certain changes in the construction and arrangement of parts may be made. Therefore, I do not wish to be limited precisely to the present
 10 construction except as may be required by the scope of the appended claims.

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

1. A collapsible music stand comprising a front wall, side walls foldably connected to said front wall adjacent the opposite side edges thereof whereby said side walls can be moved toward
 15 said front wall to overlie the latter in the collapsed condition of the stand and away from said front wall to extended position in the operative condition of the stand, said side walls having upper edge portions which, in extended position
 20 of said side walls, are downwardly inclined in a direction away from said front, a top foldably connected to said front wall adjacent the top edge thereof and adapted to engage said inclined edge portions of the side walls in the extended position thereof, said top wall being supported
 25 by said inclined edge portions of said side walls, means extending horizontally between said side walls in the extended position thereof and releasably connected thereto for holding them in said extended position, said top having a rear marginal edge portion foldable to upwardly
 30 inclined position to provide a retaining ledge, and said side walls having at their top edges upwardly inclined edge portions engageable by said ledge portion for supporting the latter in said upwardly inclined position.

2. A collapsible music stand comprising a front wall having inwardly folded side edge portions, side walls foldably connected to said folded portions of said front wall whereby said side walls
 40 can be moved toward said front wall to overlie the latter in the collapsed condition of the stand and away from said front wall to extended position in the operative condition of the stand, said front wall having a folded upper edge portion, and a top foldably connected to said folded upper edge portion below the top edge of said front wall and releasably engageable with the upper edge portions of said side walls in the extended position thereof, and an upwardly extending ledge
 50 formed at the rear edge of said top.

3. A collapsible music stand comprising a front wall having inwardly folded side edge portions, side walls foldably connected to said folded portions of said front wall whereby said side walls
 55 can be moved toward said front wall to overlie the latter in the collapsed condition of the stand and away from said front wall to extended position in the operative condition of the stand, said front wall having an inwardly folded upper edge portion, and a top foldably connected to said folded upper edge portion and releasably engageable with the upper edge portions of said side walls in the extended position thereof, and means foldably connected to said front wall extending horizontally between said side walls in the extended position thereof, and releasably connected thereto for holding them in said extended position, said top wall having openings therein, the top edge portions of said side walls engageable with said top wall in said openings for re-
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leasably securing the latter in engagement with said side walls in extended position thereof.

5 4. A collapsible music stand comprising a front wall, side walls foldably connected to said front wall adjacent the opposite side edge thereof whereby said side walls can be moved toward said front wall to overlie the latter in the collapsed condition of the stand and away from said front wall to extended position in the operative condition of the stand, said side walls hav-
0 ing upper edge portions which, in the extended

position of said side walls, are downwardly inclined in a direction away from said front wall, a top foldably connected to said front wall adjacent the top edge thereof and adapted to engage said inclined edge portions of the side walls in the extended position thereof, said side walls having outer edge portions inclined upwardly, and said top having a foldable ledge portion at the outer side thereof engageable with said upwardly inclined edge portions.

GEORGE E. HALL.

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