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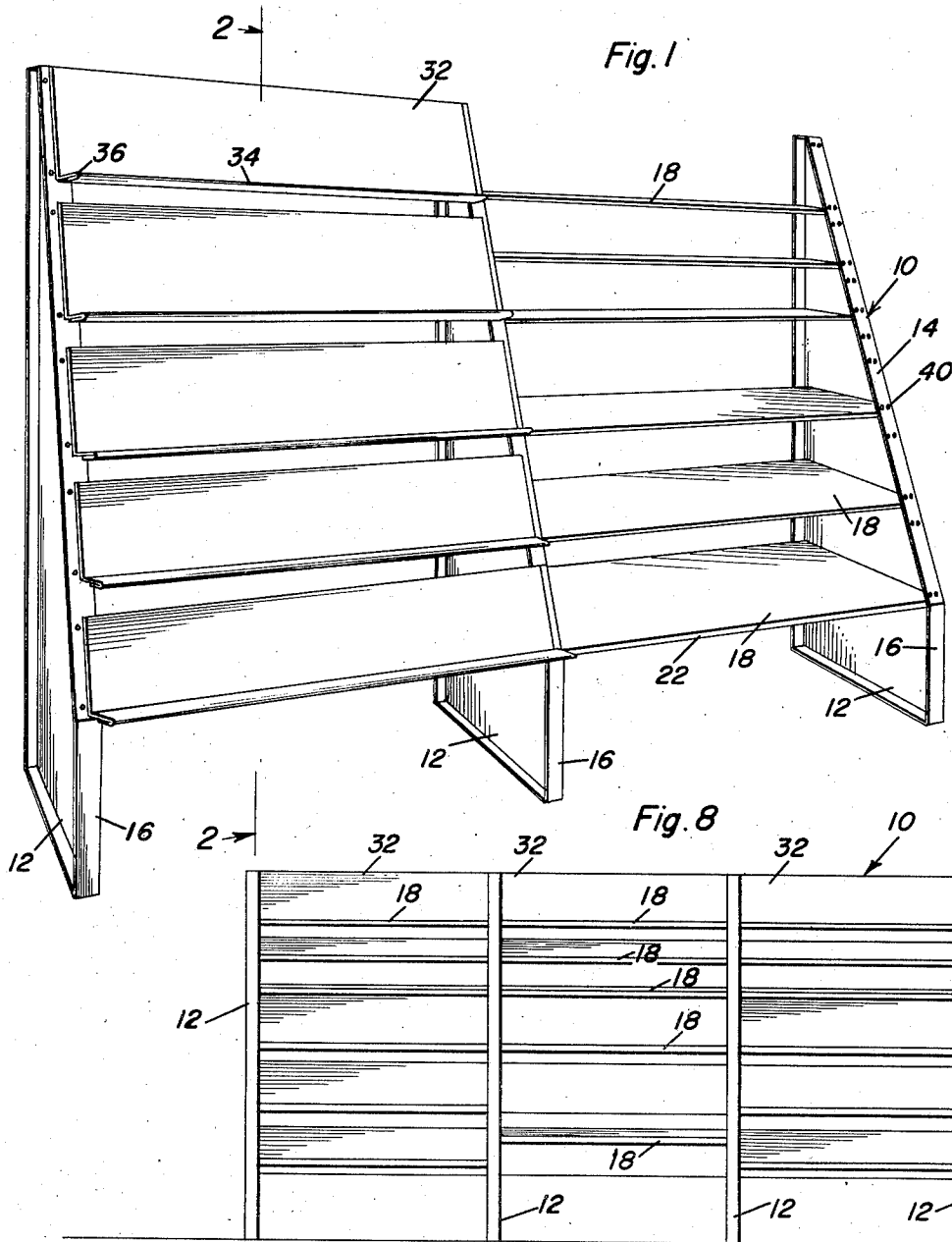
N. G. SCHREIBER

2,798,617

RACK.

Filed March 17, 1954.

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

Fig. 2

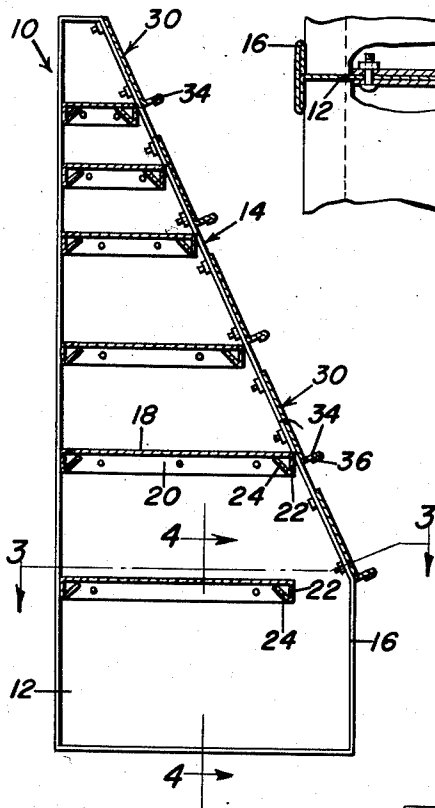


Fig. 3

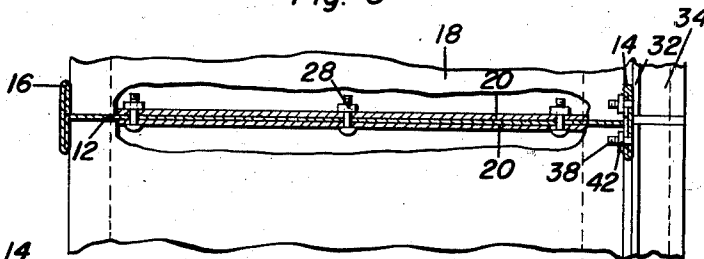


Fig. 4

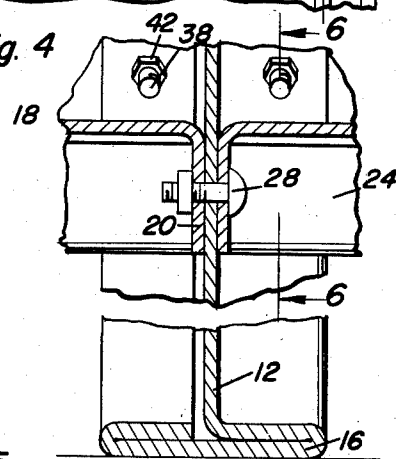


Fig. 5

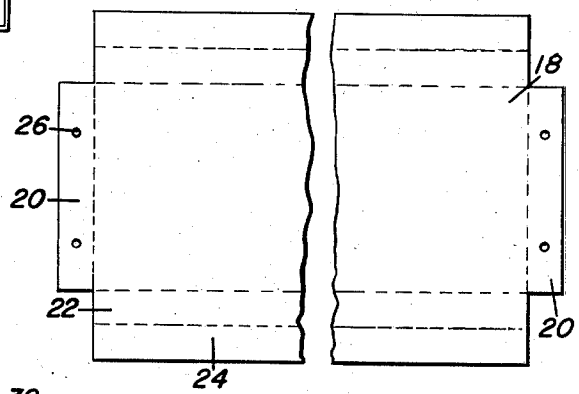


Fig. 7

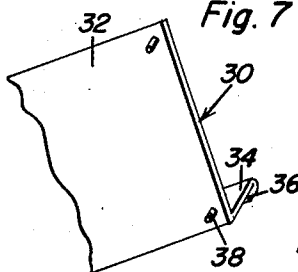
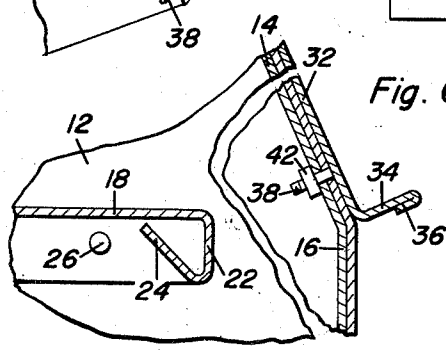


Fig. 6



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2,798,617

RACK

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1 Claim. (Cl. 211—137)

This invention relates to a rack and more specifically provides a device for supporting music folders and music instruments in an efficient manner.

An object of this invention is to provide a rack which is simple in construction, compact, easily accessible, versatile in utility, well adapted for its purposes and relatively inexpensive to manufacture.

Another object of this invention is to provide a rack for supporting musical folders on the forward portion thereof and musical instruments on shelves having entrances from the rear of the rack.

A further object of this invention is to provide a rack having a plurality of ledges supported on vertically inclined forward edges for supporting music folders and a plurality of vertically spaced shelves behind the ledges for supporting a plurality of various sized and shaped musical instruments or cases.

Still another object of this invention is to provide a rack constructed of sheet material that may be arranged in various manners to suit the needs incidental to its various uses.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view showing the rack of the present invention with the ledges of one portion removed for illustrating the spacing of the vertically spaced shelves;

Figure 2 is a transverse section taken substantially along section line 2—2 of Figure 1 showing the details of construction of the rack;

Figure 3 is a detailed section taken substantially along section line 3—3 of Figure 2 showing the details of construction of the means for securing the abutting edges of adjacent shelves to the upstanding member;

Figure 4 is a detailed section taken substantially along section line 4—4 of Figure 2 showing the relationship of the adjacent edges of adjacent shelves;

Figure 5 is a top plan view showing one of the blanks for forming a shelf;

Figure 6 is a detailed section taken substantially along section line 6—6 of Figure 4 showing the means for attaching the ledges and the construction thereof;

Figure 7 is a perspective view showing the securing stud secured to the rear surface of one leg of the L-shaped ledges; and

Figure 8 is a rear elevational view of a modified form of the rack of Figure 1 showing the different arrangements of the vertically spaced shelves for accommodating various sized musical instruments or other articles.

Referring now specifically to the drawings, it will be seen that the numeral 10 generally designates the rack of the present invention and includes a plurality of horizontally spaced and vertically upstanding members 12 having a vertical rear edge and a vertically and rearwardly inclined forward edge 14 with the inclined por-

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tion 14 terminating above the supporting surface at its lower end and terminating in spaced relation to the vertical rear edge of the upstanding members 12 at its upper end. The upstanding members 12 are provided with a projecting flange 16 to each side around its periphery and formed by a double reverse bend of the body of the upstanding members 12 thereby forming a substantially "T-shaped" edge around the periphery of the upstanding members 12. The central portion of the upstanding members 12 is generally flat and vertically disposed and provided with a plurality of apertures for a purpose described hereinafter. Disposed between the upstanding members 12 in vertically spaced relation is a plurality of shelves 18 having downturned end portions 20 and downturned side edge portions 22 terminating in upturned edges 24 thereby forming a reinforced and rigid shelf member 18. The downturned end portions 20 are provided with suitable apertures 26 for securing the shelves 18 to the vertically upstanding members 12. As specifically shown in Figure 4, the central upstanding member 12 is abutted by oppositely facing downturned ends 20 of adjacent shelves 18 and a fastening member 28 is passed through matching apertures 26 and apertures in the upstanding member 12 thereby securing the shelves 18 in detachable position between the upstanding members 12. It will be seen that the shelves 18 are vertically spaced and substantially extend from the flange on the rear vertical edge of the upstanding members 12 and the flange 16 on the inclined edge 14. The lowermost shelf 18 terminates in spaced relation to the front edge of the upstanding members 12. However, the various shelves 18 may be arranged in any suitable manner and spaced from each other any particular distance as desired in order to accommodate articles of different sizes and weight.

Ledges generally indicated by the numeral 30 and having an elongated leg formed like a plate 32 and a shorter leg 34 extending at right angles to one edge of the elongated leg 32 and having a reversely bent portion 36 thereby rigidifying and strengthening the ledge 30 and providing a smooth upper surface to the shorter leg 34. Suitable threaded studs 38 are secured to the rear surface of the elongated leg 32 for a purpose described hereinafter. The threaded studs 38 are positioned in suitable apertures 40 in the flange 16 on the inclined forward edge 14 of the upstanding members 12 and secured thereto by suitable fastening nuts 42 thereby providing a support for music folders. It will be seen that a plurality of ledges 30 are secured along the inclined edge 14 of the upstanding members 12 and the studs 38 are related to the end of the ledges 30 in order to cover one-half of the flange 16 wherein other ledges 30 may be positioned on the rack 10 in longitudinal alignment and abutting relation therewith.

As specifically shown in Figure 8, the rack 10 is comprised of four vertical upstanding members 12 with the shelves 18 of one section being spaced different than the shelves in the other section between adjacent vertical members 12. This may be necessary in order to support articles such as music instruments of various sizes in a most convenient manner.

Obviously, the device may be constructed with the omission of either the ledges 30 or the shelves 18. Where it is necessary to employ only the ledges such as in a choral group, the size of the rack may be reduced to a convenient size and if desirable, a plurality of racks may be positioned alongside a wall either in longitudinal alignment or in facing relation to each other in order to facilitate the placement of the musical folders thereon or the racks may be spaced from a wall in order to facilitate the placement of the musical instruments from the rear portion of the racks thereby facilitating the storage and accessibility of the musical instruments as well as the

music folders. Also, it will be understood that the particular relationship between the ledges 30 and the flanges 16 may be changed in the interest of simplicity and appearance. Further, it will be understood that the device may be constructed of any readily obtainable material such as wood or the like, if desired.

The operation of the device will be readily understood. With the vertical sections 12 in relation and rigidly supported by the shelves 18 and the ledges 30, music folders may be easily placed on the ledges 30 in any suitable arrangement either by the musicians after finishing with the folders, or by other persons, in a suitable arrangement for gathering desired folders by the musicians or other persons, or for work on the folders or their contents. The particular spaced relation between the shelves 18 provide adequate support for the various musical instruments usually employed in musical groups, such as orchestras, or the like. Further, the shelves 18 may be arranged in any suitable manner in order to support articles of various sizes and shapes as may become necessary. It will be seen that the racks of the present invention provide a convenient storage space for various types of articles in an accessible position.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claim.

What is claimed as new is as follows:

A supporting device adapted to hold enlarged music folders and music instruments to be used in conjunction with the folders, said device comprising a pair of vertical end members each having a horizontal lower edge for resting on a supporting surface, each of said end members having a vertical rear edge and a rearwardly inclined forward edge, the peripheral edge of each end member having a flange projecting laterally to each side thereof, said end members being constructed of sheet material with the flange being of double thickness for reinforcing the end members, a plurality of horizontally disposed and vertically spaced shelves mounted between said end members, each of said shelves including a depending peripheral flange for strengthening the shelf, means for

securing the end depending flanges on the shelves to the end members, the rear edges of said shelves being free of obstructions thus permitting easy insertion and removal of music instruments, a plurality of ledge members mounted on the forward inclined edges of the end members, each of said ledge members including an L-shaped member having an elongated leg portion disposed against the flanges on the forward edges of the end members, a short leg portion extending perpendicularly from the lower edge of the elongated leg portion thus forming a forwardly and upwardly inclined ledge for supporting a plurality of music folders in a position for easy access, said elongated leg portions having integral rearwardly extending fastening members adjacent the top and bottom edges thereof for rigidly attaching the ledge members to the flanges on the end members for rigidly retaining the end members in vertical parallel relation, the longitudinal edge flange of each of said shelves having an inwardly and upwardly inclined edge portion for reinforcing the shelves and adding to the rigidity of the end members, each of said elongated leg portions being disposed forwardly of the front edge of the shelves and covering the majority of the front area between the end members thus limiting the insertion of music instruments onto the shelves thereby positioning the instruments for easy access, the ledge members and shelves being arranged to permit persons passing parallel to the front and rear thereof to pick up a music folder or instrument with substantially no interruption to the rate of movement thus facilitating the distribution of the music folders and instruments to a group of persons for employing the same.

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