Oct. 22, 1957 N. R. LYKES 2,810,231

COPY STAND WORK HOLDING MEANS

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Fig. 1

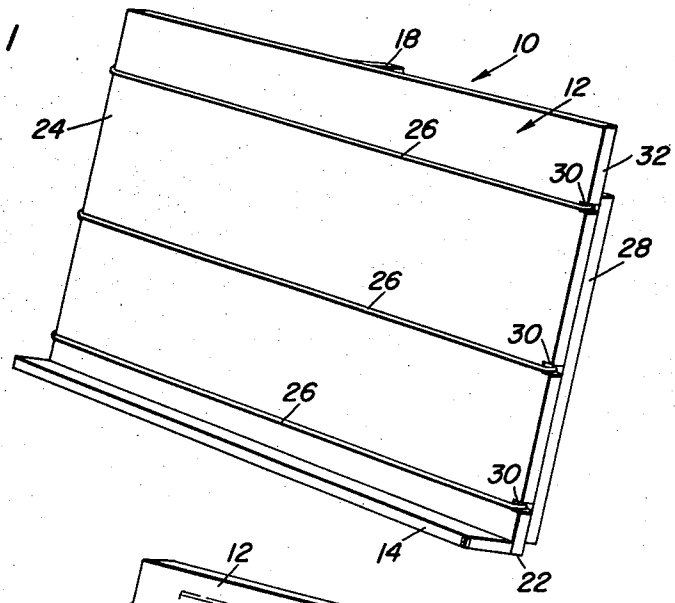


Fig. 3

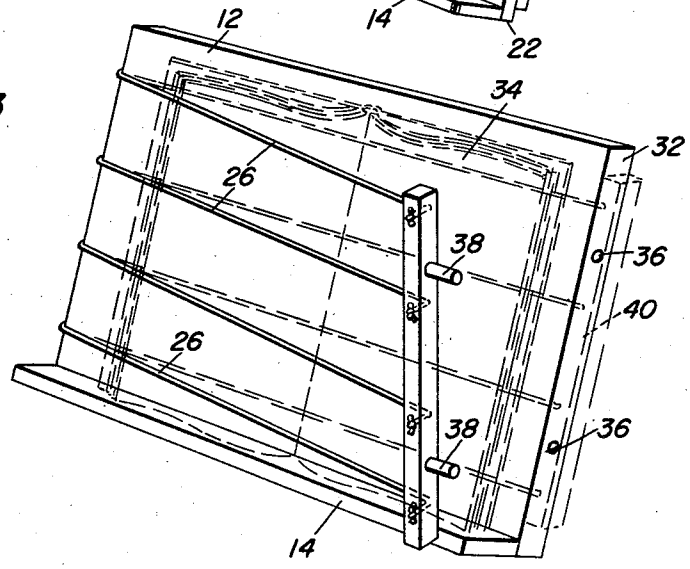
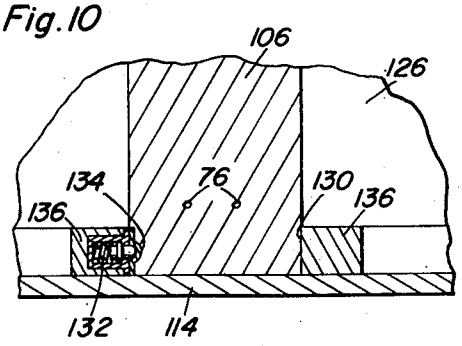


Fig. 10



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Fig. 4

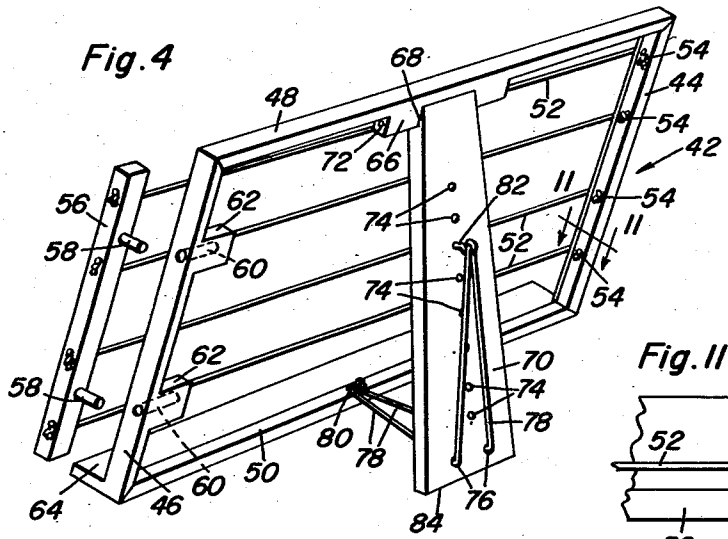


Fig. 11

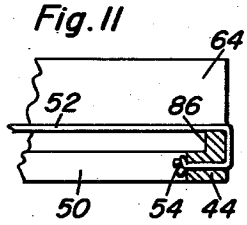
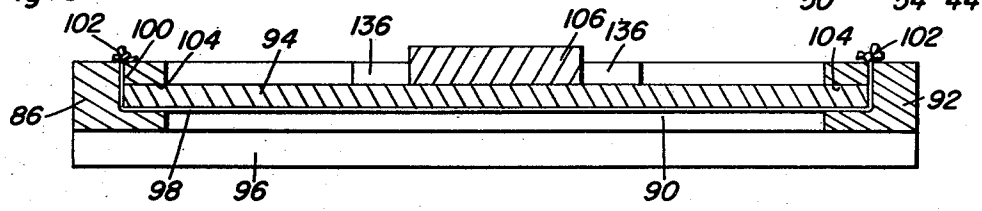


Fig. 6



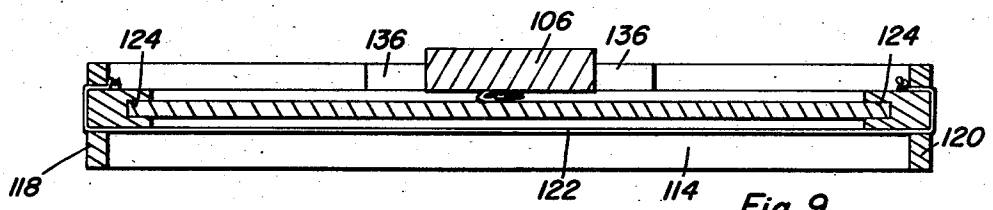
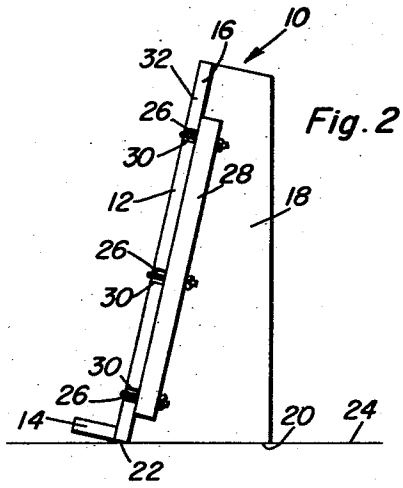


Fig. 9

Fig. 2



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Fig. 5

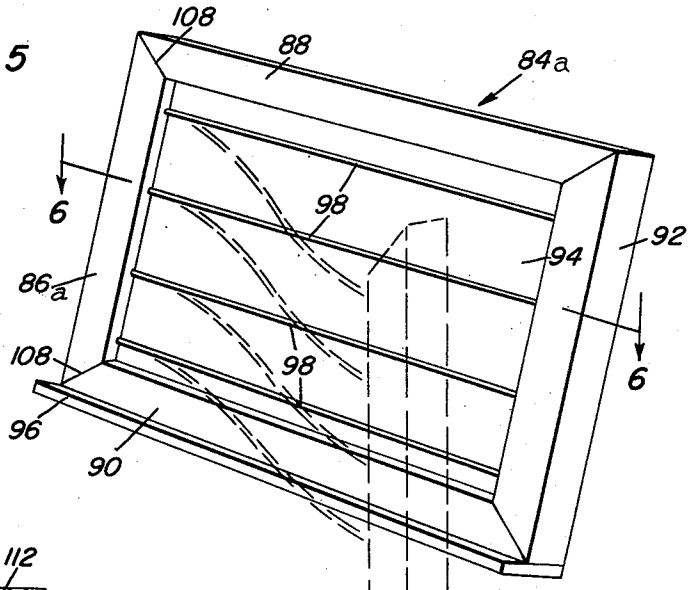
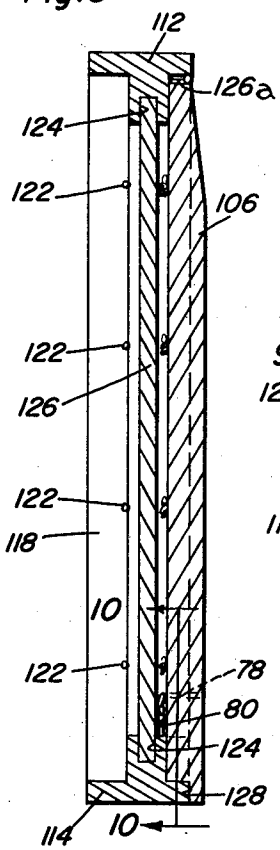


Fig. 8



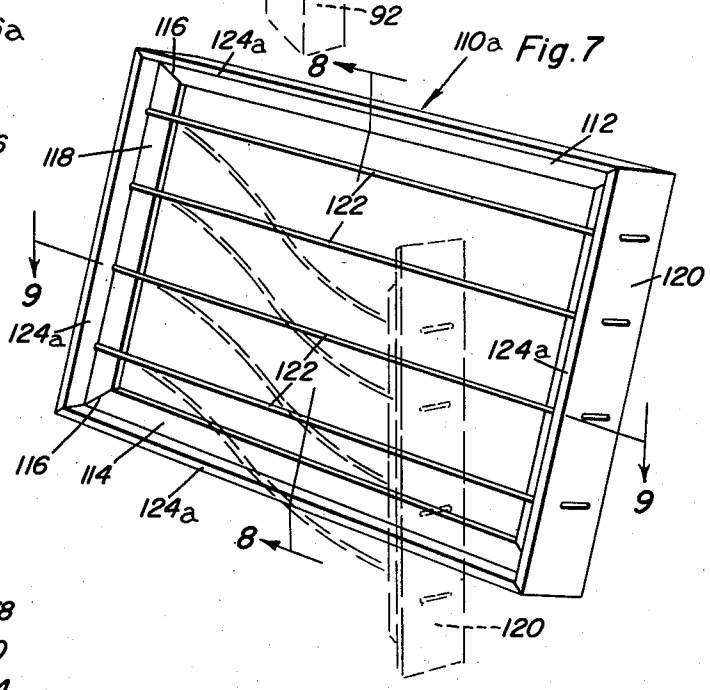


Fig. 7

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2,810,231

COPY STAND WORK HOLDING MEANS

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Application March 7, 1955, Serial No. 492,374

1 Claim. (Cl. 45—80)

This invention relates generally to copy stands and is more particularly concerned with a copy stand incorporating relatively simple parts and utilizing a removable resilient holding means cooperating with a support frame for readily securing books, papers, etc. on the copy stand.

An additional object of this invention in conformance with that set forth above is to provide a readily assembled, highly utilitarian copy stand utilizing resiliently urged holding means wherein a portion of the copy stand support frame constitutes said removable holding means.

Another object of this invention in conformance with those set forth above is to provide a readily adjustable support standard for a copy stand of the character heretofore mentioned.

Still another object of invention in conformance with those heretofore set forth is to provide a copy stand including a support frame which incorporates book supporting edges and a removable back member.

The principles of this invention may be utilized to retain several loose papers or a relatively stiff book in a readily accessible reading position on a stand of the character disclosed and may also be utilized on music stands, piano stands out of doors, or rostrums, pulpits, speakers' stands, etc.

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 of one embodiment of the novel copy stand;

Figure 2 is a side elevational view on a reduced scale of the copy stand disclosed in Figure 1, and including a fixed rear support member therefor;

Figure 3 is a perspective view of another embodiment of the novel copy stand illustrating a holding member of a character different from that disclosed in Figure 1;

Figure 4 is a rear perspective view of still another embodiment of the novel copy stand utilizing a holding means similar to that disclosed in Figure 3 and illustrating a frame member to have incorporated therein a removable backing member, and further illustrating novel adjusting means for a pivotal rear support element;

Figure 5 is a perspective view of still another embodiment of the novel copy stand;

Figure 6 is an enlarged horizontal sectional view taken substantially on line 6—6 of Figure 5;

Figure 7 is another embodiment of the novel copy stand;

Figure 8 is an enlarged transverse sectional view taken substantially on line 8—8 of Figure 7;

Figure 9 is an enlarged horizontal sectional view taken substantially on line 9—9 of Figure 7;

Figure 10 is an enlarged fragmentary sectional view taken substantially on line 10—10 of Figure 8 illustrating a holding means for the rear pivotal support member; and

Figure 11 is an enlarged fragmentary horizontal sectional view taken substantially on line 11—11 of Figure 4.

As seen in Figures 1 and 2 an embodiment of the novel copy stand is indicated generally at 10, the copy stand of this embodiment including a vertical backing member 12 having secured on the lower edge in any suitable manner a longitudinal outward extending book or paper supporting element 14. Secured on the opposite side 16 of member 12 is the transversely extending support member 18 which has a suitably angled lower edge portion 20 cooperating with the edge portion 22 of member 12 to support the copy stand at the most desirable angle relative to a support surface 24.

Secured in any suitable manner to the vertical edge 24 of the vertical backing member 12 are a plurality of longitudinally extending elastic bands, such as nylon-covered or rayon-covered bands 26 which are secured in any suitable manner to a stretcher bar 28 in spaced relation thereon relative to a plurality of vertically extending notched out portions 30 contained in the vertical edge 32 of the vertical backing member 12. As seen in Figure 2, the elastic elements 26 may pass through the stretcher bar and be knotted on the underside thereof, and when the stretcher bar is pulled toward the edge 32 and placed in juxtaposition with the side 16 of the vertical backing member, the elastic cords will exert tension on the stretcher bar 28 and retain it securely against the side 16 with the cords being contained in the notches 30.

As most clearly seen in Figure 3, a book 34 or any other papers rest on the longitudinally extending portion 14 at their lower edges, and are retained thereon by means of the elastic bands 26, and will not be subject to winds, draft, etc.

The embodiment disclosed in Figure 3 is substantially the same as that of Figure 1, except the edge 32 of the vertical backing 12 includes a plurality of disposed longitudinal passages 36 into which transversely disposed pegs 38 extending from a stretcher element 40 will be contained therein, this structure performing the same function as the notches 30 of the embodiment disclosed in Figure 1. In this embodiment the stretcher member 40 will be secured along the vertical edge 32 of the backing member 12 instead of along the rear side 16 as disclosed in Figure 2. It is to be understood that the embodiment disclosed in Figure 3 includes a rear support member similar to that identified by reference character 18 in the first embodiment. It will be further observed that the embodiment of Figure 1 discloses three horizontally elastic bands 26 whereas the embodiment of Figure 3 discloses four such elements, it being merely a matter of choice as to the number of horizontal bands that will be utilized.

The embodiment of the copy stand disclosed in Figure 4 includes a frame indicated generally at 42 which includes side members 44 and 46 connected together by a top and bottom longitudinally extending member 48 and 50, respectively. The member 44 includes a plurality of suitable apertures transversely disposed thereon into which one end of the elastic cords 52 are knotted as indicated at 54. The elastic members 52 are connected to a stretcher bar element 56, said element including transversely extending pegs 58 which cooperate in the longitudinally extending bores or passages 60 contained in the end member 46 and the longitudinally extending portions 62 thereof. The lower member 50 includes an outwardly extending ledge portion 64 upon which the book or papers, etc. will rest. Included on the top member 48 at the rear thereof is an integral portion 66 having a central notch 68 into which one end of a pivotal support 70 extends. The pivotal support member 70 iscarried in the notch 68 by means of a suitable longitudinally extending pivot pin 72.

The support member 70 includes a plurality of trans-

versely disposed apertures **74** thereon and at the bottom thereof a pair of longitudinally disposed apertures **76**. The flexible cord element **78** is connected in any suitable manner at **80** on the bottom member **50**, the member **78** extending through the aperture **76** and extending over a hook element **82** which may be optionally placed in any of the transverse apertures **74** for the purpose of adjusting the distance between the end portion **84** of the support member **70** and the bottom member **50** of the copy stand **42**. The side members **44**, **46** and top and bottom members **48** and **50** each include a notched out portion **86**, as seen in Figure 11, wherein the sheet of backing material (not shown) is laid therein, the notched out portion **86** forming a peripheral support border for the removable backing member which will cooperate with the elastic elements **52** in a manner believed readily apparent.

The embodiment disclosed in Figures 5 and 6 and which is indicated generally at **84*a*** includes a side element **86*a***, top and bottom elements **88** and **90**, respectively and a removable combination side element and stretcher bar element **92**, all of these aforementioned elements cooperating with a backing member **94**, as seen in Figure 6. The bottom element **90** includes the usual support ledge **96**, which is common to all of these embodiments, the elastic cords **98** extend through transversely disposed apertures **100** in the side element **86**, as seen in Figure 6, and thence into the stretcher bar element **92**, the resilient elements **98** being knotted in the end elements as indicated at **102**. The side frame elements **86** and **92** each include a vertically extending notched out portion **104** into which the backing element **94** extends. The top and bottom members **88** and **90** may include longitudinally extending groove portions similar to that identified at **104** in the side elements for receiving corresponding portions of the backing member **94**.

Secured on the rear or back side of the copy frame **84** is a suitable rear support element **106**, which may be of the character disclosed relative to the embodiment disclosed in Figure 7 and best illustrated in Figure 8. The top and bottom elements **88** and **90** are respectively secured to the side element **86** by means of a miter joint **108**, for example, and as shown in phantom lines in Figure **5**, the stretcher bar and side element **92** may be readily removed from its contact with the aforementioned top and bottom elements and the back member **94**.

The embodiment disclosed in Figure 7 is identified generally by the numeral **110*a*** and is of a similar construction to the embodiment disclosed in Figure 5, wherein the side frame element is also utilized as a stretcher bar. The copy stand of Figure 7 includes the top and bottom elements **112** and **114**, respectively, secured at the miter joints **116** to the side element **118**. The removable side element and stretcher bar **120**, as previously mentioned, functions in the same manner as the side element **92** of Figure 5. The elastic elements **122** are secured in suitable apertures in the side elements, as seen in Figure 9, the top, bottom, and side elements each including a notched out portion **124** into which corresponding edges of a backing member **126** extend. It will be appreciated that the major distinction between the embodiment disclosed in Figures 5 and 7 is that in Figure 7 all of the framing elements **112**, **114**, **118** and **120** include protruding borders **124*a*** extending outwardly therefrom, the border **124*a*** of member **114** serving the function of supporting books and papers on the copy stand.

The rear support member **106**, as most clearly seen in Figure 8, is hinged at its upper end portion by means of a hidden hinge **126*a***, secured in any suitable manner, and has a suitable notched lower portion for co-operating with the notched lower portion **128** cooperating with the bottom member **114**. The member **114** may include thereon the cord **78** secured at **80**, as explained in regard to the embodiment disclosed in Figure 4.

The bottom member **114**, as seen in Figure 10, includes on its back edge a suitable notched out portion **130** formed by block elements **136** thereon into which the support member **106** will extend, and has secured in one of the blocks **136** a spring urged detent element **132** which corresponds with the suitable detent portion **134** along an adjacent side of the member **106**, said detent element retaining the support member **106** in the position disclosed in Figure 8.

The material utilized in this copy stand will generally be wood, however, it is to be understood that a suitable plastic, aluminum, or any other material may be used. The copy stand may be distributed commercially as a "do-it-yourself" unit wherein the consumer purchases the parts and subsequently assembles them, or they may be sold as a finished product.

It is believed readily apparent that various embodiments disclosed herein include the common feature of the stretcher bar member cooperating with the elastic elements and a suitable backing member.

Various positional directional terms such as "front," "rear," "bottom," "top" are utilized herein to have only a relative connotation to aid in describing the device and are not intended to be interpreted as requiring any particular orientation with respect to any external elements.

The foregoing is considered as illustrative only of the principles of the invention. Further, 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 and operation 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 work holding means for a copy stand having a backing member, a lower longitudinal edge portion extending outwardly along a lower edge portion of said backing member, and support means for said backing member, said work holding means comprising a plurality of parallel elastic cord elements each individually fixed at one end in vertically spaced relationship along one vertical side portion of said backing member, a removable stretcher bar, means to individually permanently fix the other ends of each of said parallel elastic cords to said stretcher bar, and means on said stretcher bar and backing member for securing said stretcher bar adjacent the other vertical side portion of said backing member to hold said elastic cords in vertical spaced relationship on a forward face of the backing member, wherein the backing member includes a backing element including edge portions on three sides thereof extending into grooves contained in a top, bottom and side element which are joined to define three sides of a frame, said bottom element including a longitudinal ledge portion extending outwardly therefrom, and a combination side element and stretcher bar to which elastic cord is secured in vertically spaced relation thereon, said side element including a vertically extending groove portion into which the backing element is received, and further including end portions urged into contact by said elastic cords with corresponding end portions of the top and bottom frame elements.

References Cited in the file of this patent

UNITED STATES PATENTS

518,594	Fitzhugh	Apr. 24, 1894
581,225	Glover	Apr. 20, 1897
1,082,997	Braasch	Dec. 30, 1913
1,116,016	Cochran	Nov. 3, 1914
1,198,180	Berg	Sept. 12, 1916
1,897,799	Haight	Feb. 14, 1933
2,007,740	Brelsford	July 9, 1935
2,242,737	Alfreds	May 20, 1941
2,244,773	Hawk	June 10, 1941
2,489,553	Wofford	Nov. 29, 1949