June 17, 1969 K. D. SCHREYER 3,450,296

DRAWER CONSTRUCTION AND DIVIDER THEREFOR

Filed May 9, 1966 Sheet 1 of 4

FIG. 1

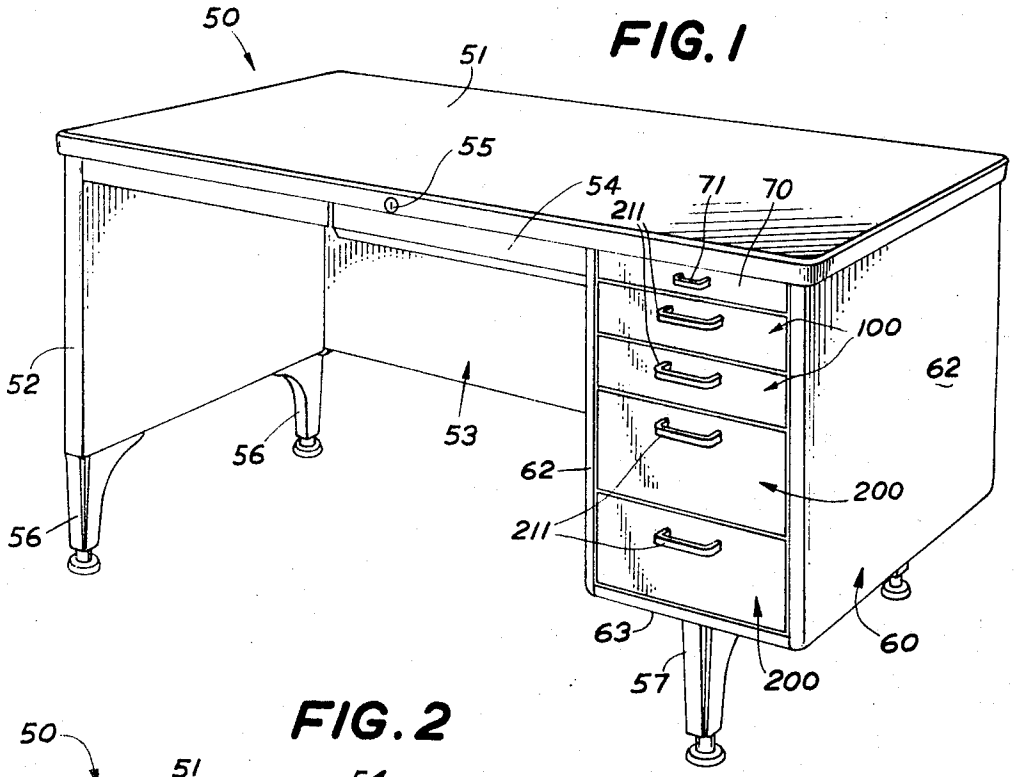
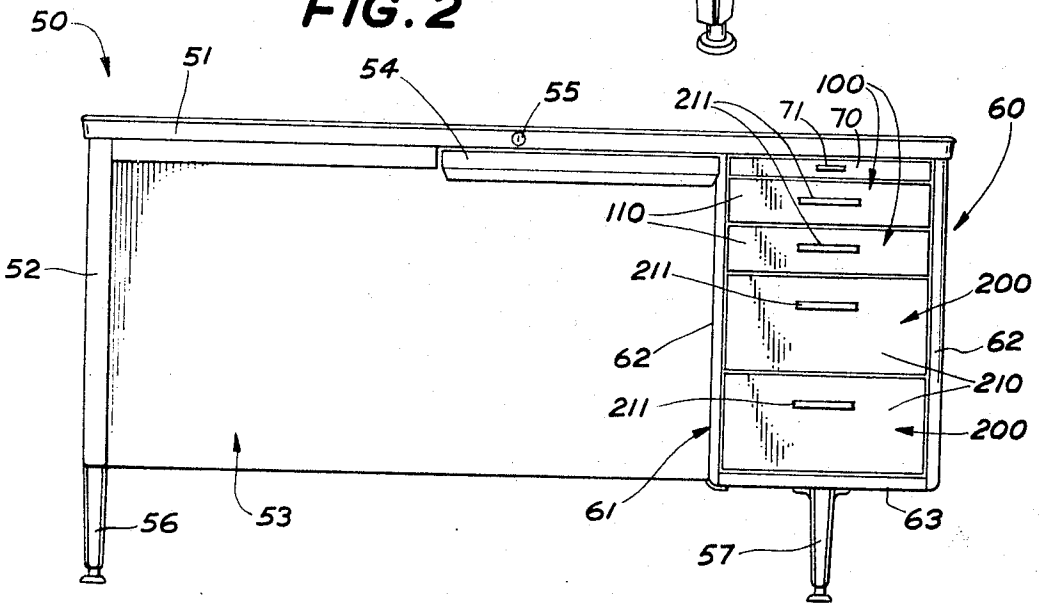


FIG. 2



INVENTOR.
KENNETH D. SCHREYER

BY
Prangley, Baird, Clayton
Miller & Vogel
ATTYS.

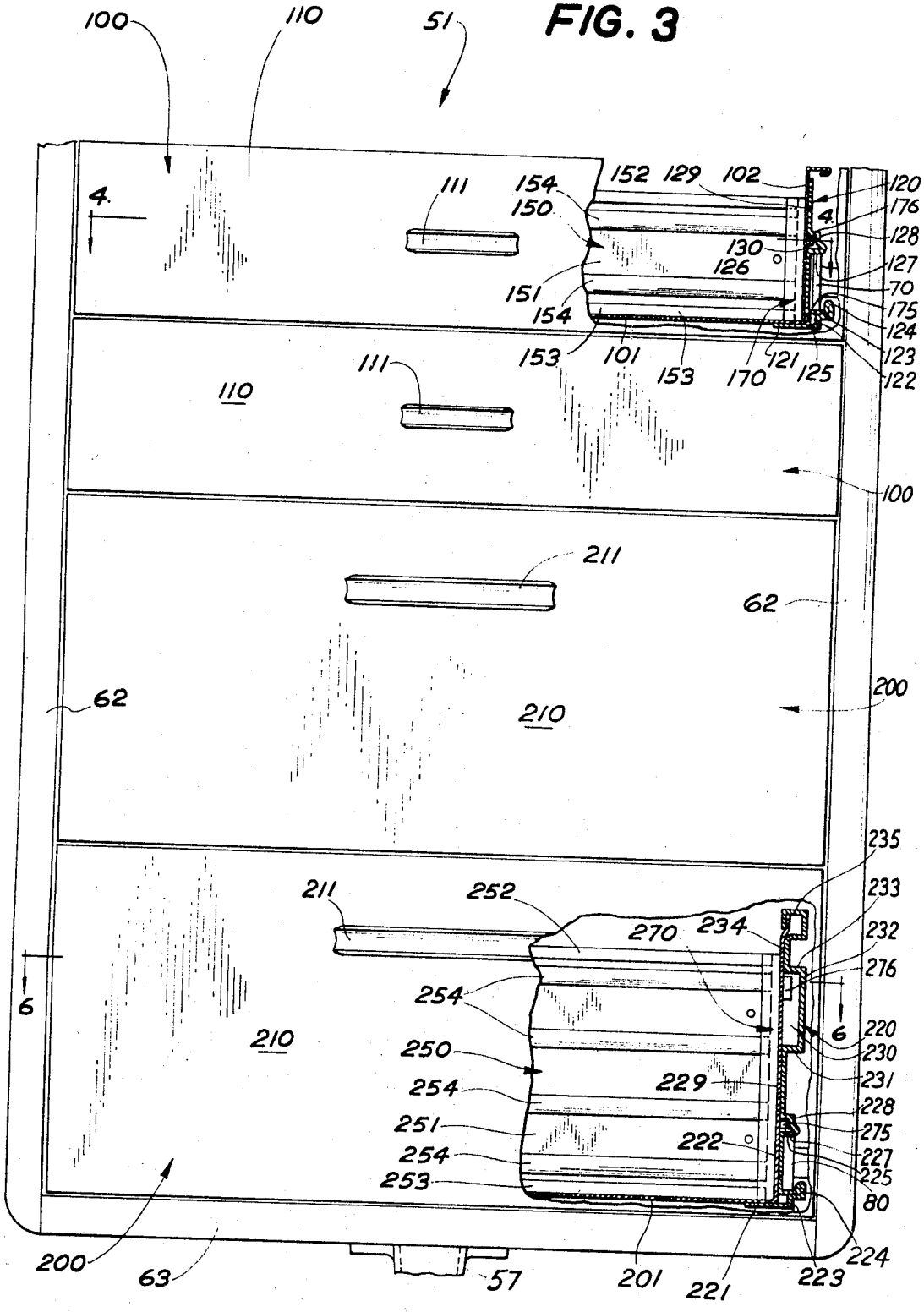
June 17, 1969 K. D. SCHREYER 3,450,296

DRAWER CONSTRUCTION AND DIVIDER THEREFOR

Filed May 9, 1966

Sheet 2 of 4

FIG. 3



June 17, 1969 K. D. SCHREYER 3,450,296

DRAWER CONSTRUCTION AND DIVIDER THEREFOR

Filed May 9, 1966 Sheet 3 of 4

FIG. 4

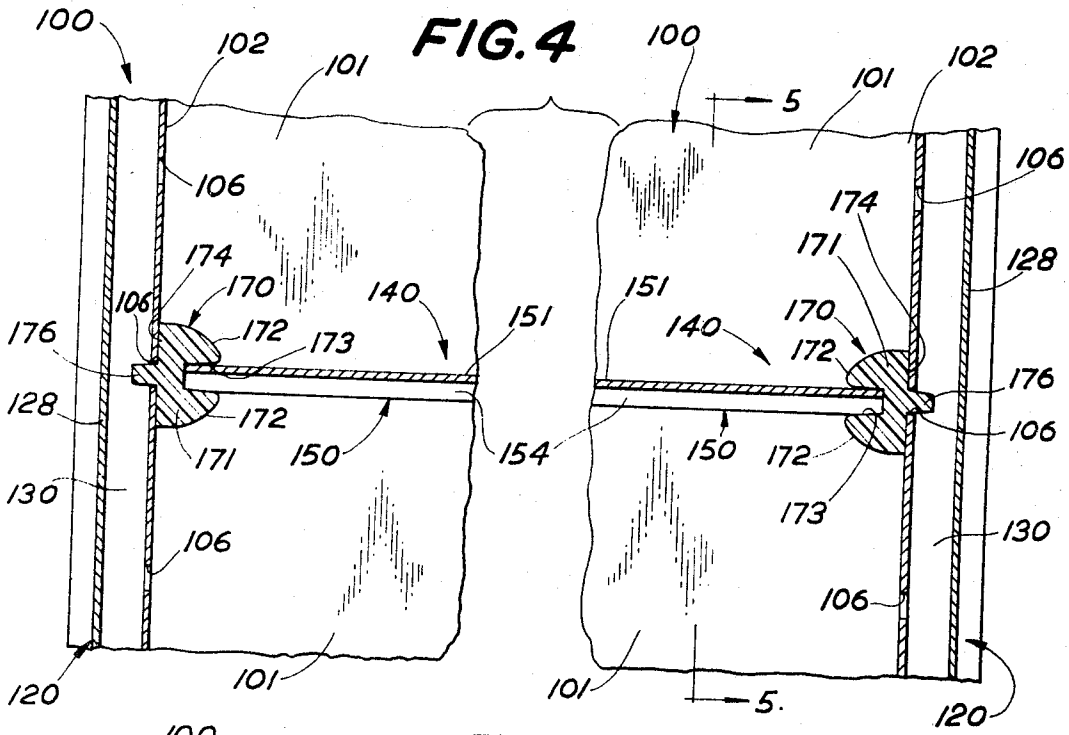
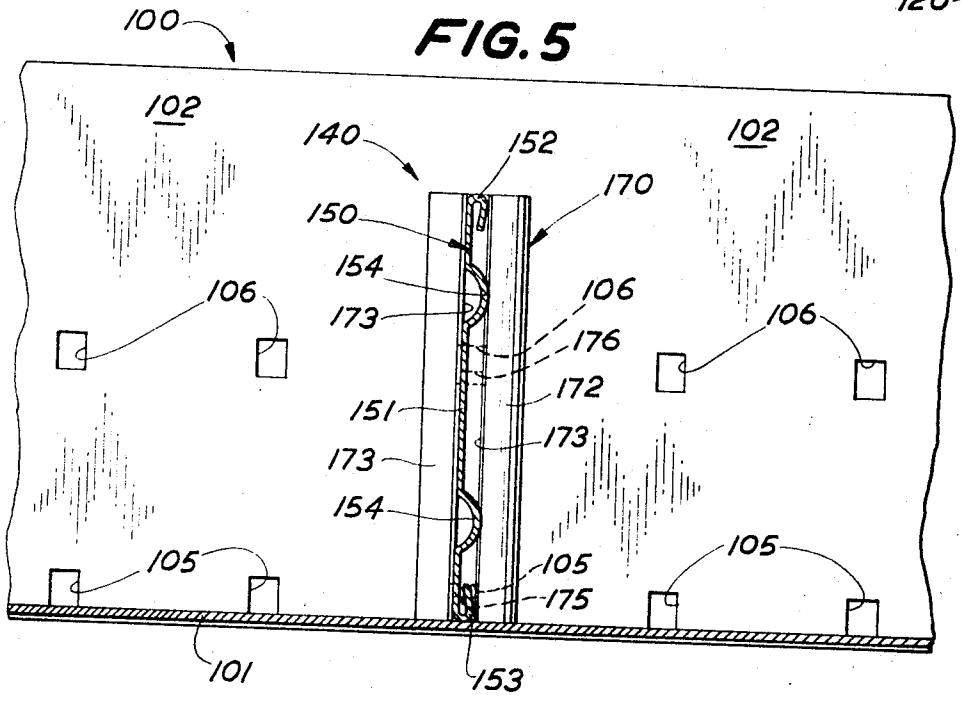


FIG. 5



June 17, 1969 K. D. SCHREYER 3,450,296

DRAWER CONSTRUCTION AND DIVIDER THEREFOR

Filed May 9, 1966 Sheet 4 of 4

FIG. 6

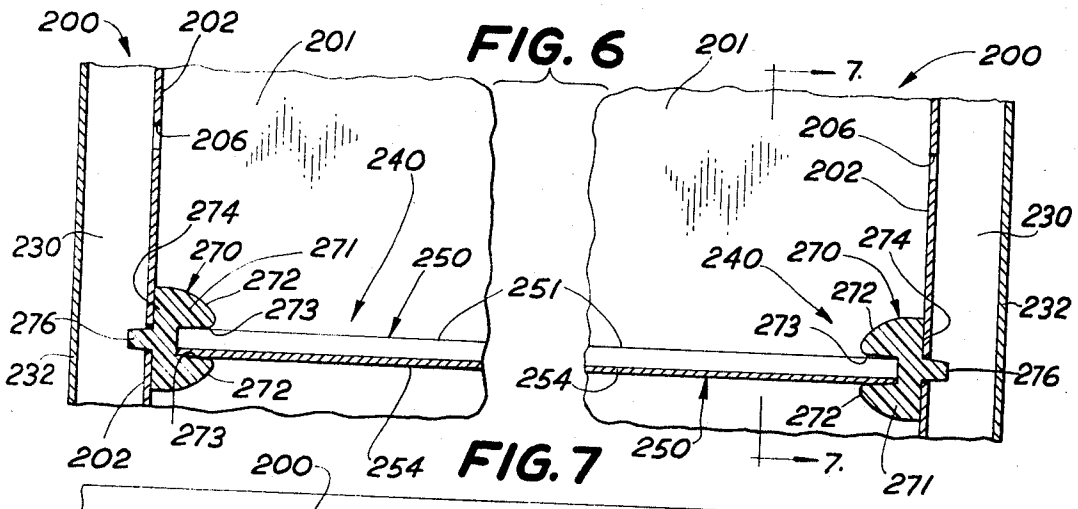
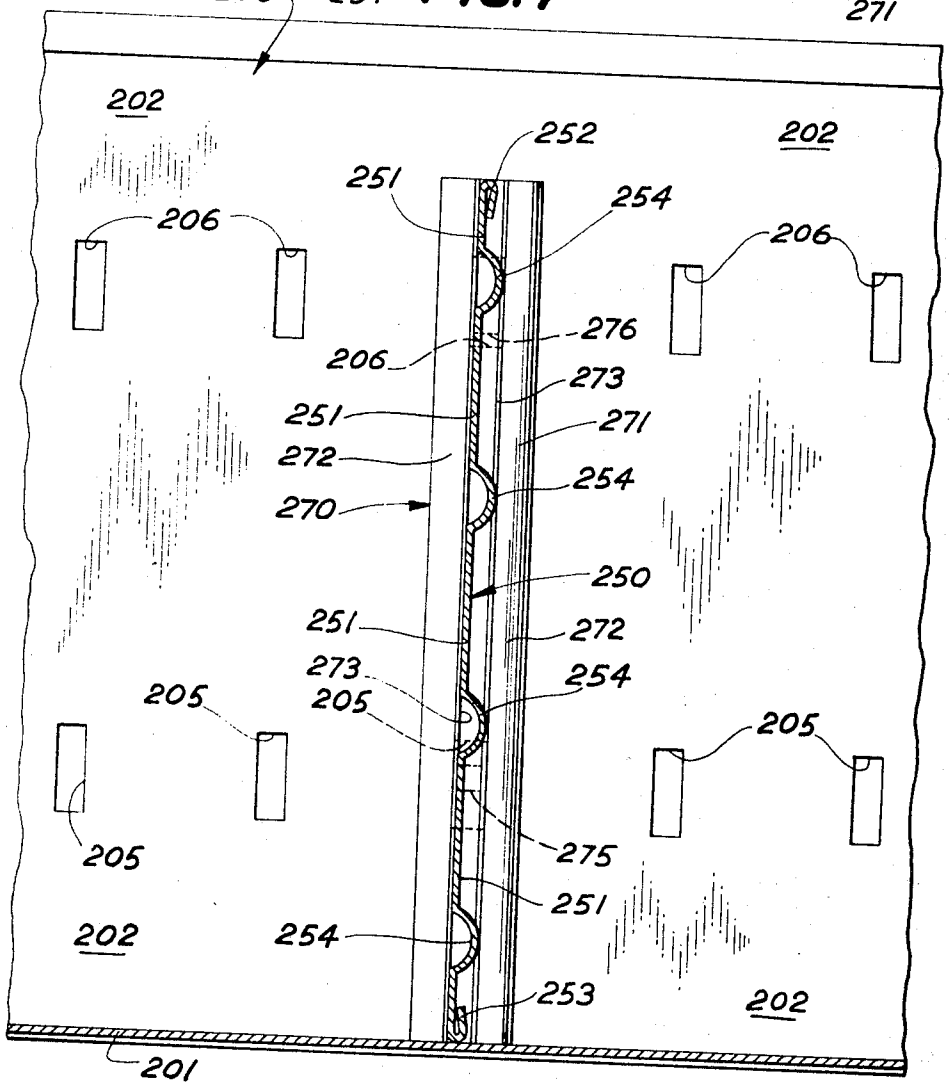


FIG. 7



United States Patent Office 3,450,296
Patented June 17, 1969

3,450,296

DRAWER CONSTRUCTION AND DIVIDER THEREFOR

Kenneth D. Schreyer, Doylestown, Pa., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois

Filed May 9, 1966, Ser. No. 548,692
Int. Cl. B65d 1/24, 1/36, 57/00
U.S. Cl. 220—22.1 6 Claims

ABSTRACT OF THE DISCLOSURE

There is disclosed a divider construction for use in a drawer wherein the side walls have upper and lower longitudinally extending rows of slots therein, with each slot in each row being in horizontal and lateral alignment with the corresponding slot in the opposite side wall, the divider construction comprising a generally rectangular divider and a pair of mounting members disposed on the opposite ends of the divider for mounting same in any one of a plurality of adjusted positions with respect to the associated drawer, each of the mounting members including a generally rectangular plastic body having a longitudinally extending groove in one side thereof arranged vertically in use for grippingly receiving the adjacent end of the divider therein, each body having at least one finger extending laterally outwardly therefrom and into at least one of the slots in the adjacent side wall so as to adjustably position the divider within the associated drawer.

The present invention relates to drawer constructions, and particularly to an improved divider for drawers and an improved structure for mounting the divider within the associated drawer.

It is a general object of the present invention to provide an improved drawer and divider construction of the type set forth wherein the drawer includes a bottom wall and a pair of longitudinal inner side walls extending upwardly from the side edges of the bottom wall and a front wall closing the area between the bottom wall and the inner side walls at the front end thereof and a rear wall closing the area between the bottom wall and the inner side walls at the rear end thereof, each of the inner side walls having a longitudinally extending row of slots therein with each slot in each row being in horizontal and lateral alignment with a slot in the other row, a vertically arranged divider mounted in the drawer and disposed generally laterally thereof and having portions disposed between the inner side walls, and a pair of mounting members disposed on the opposite ends of the divider for mounting the divider at any one of a plurality of adjusted positions with respect to the inner side walls, each of the mounting members including a body having first structure releasably holding the adjacent end of the divider and second structure engaging in at least one of the slots to position the associated end of the divider with respect to the adjacent inner side wall.

Another object of the invention is to provide a drawer and divider construction of the type set forth wherein each of the mounting members includes a generally rectangular body disposed vertically in the drawer and having a groove in one side thereof grippingly receiving the adjacent end of the divider therein and a finger on the other side thereof extending through one of the slots in the inner drawer side walls and into a pocket formed by an outer side wall mounted on the outer surface of the inner side wall.

Still another object of the invention is to provide an improved divider and connecting members therefor useful

in the drawer and divider construction of the type set forth.

A further object of the invention is to provide a divider for use in the drawer and divider construction of the type set forth wherein the divider is a generally rectangular piece of sheet metal having generally longitudinally extending upper and lower edges and a pair of end edges, a bulb fold on the upper and lower edges and extending the length thereof, and at least one longitudinally extending reinforcing rib on the divider extending the length thereof between the end edges thereof.

A still further object of the invention is to provide a mounting member for mounting a divider in a drawer construction of the type set forth, wherein the mounting member comprises a body of synthetic organic plastic resin rectangular in shape and arranged generally vertically in use within the associated drawer, the body having a longitudinally extending groove on one side thereof arranged vertically in use and grippingly receiving the adjacent end of the associated divider therein, and a finger on the other side of the body extending outwardly therefrom for engagement in one of the slots in the adjacent inner side wall to mount the associated divider in a predetermined construction of the mounting member, it is formed of high impact polystyrene resin and has a pair of fingers longitudinally spaced apart and received in an associated pair of slots in a drawer side wall.

Further features of the invention pertain to the particular arrangement of the parts, whereby the above-outlined and additional features thereof are attained.

The invention, both as to its construction and method of operation, together with further objects and advantages, will be best understood by reference to the following specification taken in connection with the accompanying drawings, in which:

FIGURE 1 is a front perspective view of a single pedestal desk having drawers therein provided with divider structures made in accordance with and embodying the principles of the present invention;

FIG. 2 is a front elevational view of the desk of FIG. 1;

FIG. 3 is an enlarged view of the pedestal forming a part of a desk of FIGS. 1 and 2 and further illustrating the two half high drawers and two box drawers mounted therein, portions of the front of one of the half high drawers and one of the box drawers being broken away to illustrate additional features of the drawer construction and the divider construction mounted therein;

FIG. 4 is an enlarged fragmentary view in horizontal section with certain portions broken away through one of the half high drawers as seen along the line 4—4 in FIG. 3;

FIG. 5 is a fragmentary view in vertical section along the line 5—5 of FIG. 4;

FIG. 6 is an enlarged fragmentary view in horizontal section with certain portions broken away through one of the box drawers as seen along the line 6—6 in FIG. 3; and

FIG. 7 is a fragmentary view in vertical section along the line 7—7 of FIG. 6.

Referring to the drawings, and particularly to FIGS. 1 to 3 thereof, there is illustrated a single pedestal desk 50 in which the divider structure of the present invention is highly useful, the desk 50 including a desk top 51 on the lefthand end of which is mounted an end panel 52 and on the righthand end of which is mounted a pedestal 60, the end panel 52 and the pedestal 60 being joined by a back panel 53 disposed toward the rear of the desk top 51. Also mounted on the desk top 51 is a center drawer 54 and a lock 55 which operates locking mechanism (not shown) to lock the center drawer 54 in the

closed position thereof and to lock the several drawers in the pedestal **60** in the closed positions thereof. In order to support the desk **50** upon an underlying support surface, a first pair of legs **56** is provided beneath the end panel **52** and a second pair of legs **57** is disposed beneath the pedestal **60**.

The pedestal **60** comprises a body **61** including a pair of side walls **62** and a bottom wall **63** which cooperate to provide a substantially rectangular drawer-receiving opening within which are disposed four drawers. As illustrated in FIGS. 1 to 3, the pedestal **60** has mounted therein in the upper one-third thereof a top shelf **70** with a pull **71** and a pair of half high drawers **100**, and in the bottom two-thirds thereof a pair of box drawers **200**, the half high drawers **100** being mounted upon opposed pairs of glides **70** mounted in the pedestal **60** and the box drawers **200** being mounted upon opposed pairs of glides **80** also mounted in the pedestal **60**. Further details of the construction of the above described parts of the desk **50** including further details of the construction of the pedestal **60** and of the desk drawer construction are set forth in the copending application of Kenneth D. Schreyer, Ser. No. 503,157, filed Oct. 23, 1965, and entitled Desk Construction, now Patent No. 3,363,955.

Turning now to FIGS. 3 to 5 of the drawings, further details of construction of the half high drawers **100** and of the divider structures used therein will be given, it being understood that both of the half high drawers **100** and the divider structures used therein have the same construction. As illustrated, the half high drawer **100** has a generally rectangular bottom wall **101** formed of sheet metal and having a width slightly less than the width of the drawer-receiving opening in the front of the pedestal **60** and having a length slightly less than the depth of the pedestal **60**, whereby readily to fit therein. Integral with the outer longitudinal edges of the bottom wall **101** and extending upwardly therefrom are sheet metal inner side walls **102**, the side walls **102** being substantially normal to the bottom wall **101** and extending substantially the length thereof and being disposed parallel to each other. The area bounded by the rear of the bottom wall **101** and the rear of the inner side walls **102** is closed by a rear wall (not shown) and the area bounded by the front of the bottom wall **101** and the front of the inner side walls **102** is closed by a front wall or drawer head **110**, the drawer head **110** carrying a pull **111** thereon to facilitate movement of the drawer **100** between the open and closed positions thereof.

There is provided on each of the inner side walls **102** an outer side wall **120**, each of the outer side walls **120** being formed of a piece of generally flat sheet metal bent to provide a cross section such as that illustrated in the upper righthand portion of FIG. 3. More specifically, each of the outer side walls **120** includes a bottom attachment flange **121** disposed along the underside of the bottom wall **101** and secured thereto as by welding and extending laterally outwardly therefrom. On the outer edge of the attachment flange **121** and extending upwardly therefrom is a first side flange **122** spaced from the lower portion of the adjacent inner side wall **102** and defining therebetween a first pocket **125**. There further is provided a lateral extending pair of lower support flanges **123** and an upwardly extending pair of retaining flanges **124** which cooperate with the glide **70** in the opening and closing of the drawer **100**. Extending upwardly from the flanges **123** is another attachment portion **126** secured to the outer surface of the adjacent inner side wall **102** as by welding and carrying on the upper edge thereof an outwardly directed support flange **127** that normally rests upon the upper surface of the glide **70**, as illustrated. Integral with the support flange **127** is an upstanding flange **128** which extends inwardly and carries another attachment flange **129** thereon, the flange **128** being spaced from the outer surface of the adjacent inner side wall **102** to define a second pocket **130** therebetween. Recapitulating, the outer side wall **120** provides the support flanges **123** and **127** for supporting the drawer **100** upon the associated glides **70**, and also provides a pair of longitudinally extending pockets **125** and **130** extending substantially the length of the inner side wall **102** for a purpose which will be explained more fully hereinafter.

There further is provided in each of the side walls **102** a pair of longitudinally extending and vertically spaced apart rows of rectangular slots therein, a first row of slots **105** being arranged along the lower portion of the side wall **102** and just above the bottom wall **101** and communicating through the inner side wall **102** with the pocket **125** formed between the side wall **102** and the flange **122**. A second row of rectangular slots **106** is provided in each of the inner side walls **102**, the slots **106** being in alignment with an communicating with the pocket **130** formed by the side wall **102** in the flange **128**. Referring to FIG. 5, it will be seen that one of the slots **106** is disposed directly above one of the slots **105**, and further referring to FIG. 4, it will be seen that each of the slots **106** in one of the inner side walls **102** is in lateral or horizontal alignment with one of the slots **106** in the other side wall **102**, it being understood that the slots **105** are also arranged in laterally aligned parts in the opposed inner side walls **102**. Recapitulating, two longitudinally extending rows of slots **105** and **106** have been provided in each of the inner side walls **102**, individual slots in the two rows being in vertical alignment with each other and individual slots in both rows being in lateral or horizontal alignment with a like slot in the opposed inner side wall **102**. Finally, there is an equal distance between adjacent pairs of the slots **105** and between adjacent pairs of the slots **106** in a longitudinal direction along the inner side walls **102**.

In accordance with the present invention there is provided in the drawer **100** a divider structure **140** including a divider **150** and a pair of mounting members **170** therefor. The divider **150** is preferably formed from a piece of sheet metal generally rectangular in shape and having the corners thereof rounded, the divider **150** including a body **151** that in use is arranged with the longer dimension thereof disposed transversely of the drawer **100** and with the shorter dimension thereof disposed vertically within the drawer **100**. Provided along the upper longitudinally extending edge of the divider body **151** is a first bulb fold **152** extending substantially the entire length thereof, and provided along the lower longitudinally extending edge of the divider body **151** is a second fold **153** extending substantially the entire length thereof. Also provided in the body **151** is a pair of longitudinally extending and vertically spaced apart reinforcing ribs **154**, the reinforcing ribs **154** being formed as portions of an arc of a circle and being directed in the same direction as the bulb folds **152–153** and extending the entire length of the divider **150**.

Disposed at each end of the divider **150** and forming a part of the divider structure **140** is a mounting member **170**, the two mounting members **170** being identical in construction, whereby only one of the mounting members will be described in detail and like reference numerals applied to like parts in both. Preferably, the mounting member **170** is formed of a synthetic organic plastic resin, the preferred type of resin being a lubric resin, an example of a highly suitable resin being high impact polystyrene resin. As viewed in front elevation (see FIG. 5), the mounting member **170** comprises a body **171** generally rectangular in shape but having the inner edges thereof rounded as at **172** as can be seen in FIG. 4 of the drawings. There further is provided on the side of the body **171** disposed inwardly with respect to the adjacent inner side wall **102** a vertically extending groove **173**, the groove **173** being essentially rectangular in cross section and extending the entire length of the body **171**. The width of the groove **173** is slightly less than the distance between

the rear surface of the divider body **151** and the forwardmost surface of the reinforcing ribs **154** thereon, whereby the mounting member **170** grippingly receives the adjacent end of the divider **150** within the groove **173** thereof, the lateral walls of the groove **173** being urged outwardly upon insertion of the divider **150** into the groove **173**, whereby these lateral walls of the groove **173** grippingly engage the adjacent end of the divider **150**.

The outer surface **174** of the mounting member **170** is formed substantially flat and is adapted to be disposed against the inner surface of the adjacent side wall **102**. There extends outwardly from the surface **174** a pair of mounting fingers **175** and **176**, the mounting finger **175** being disposed at the bottom of the mounting member **170** and adapted to extend through one of the slots **105** and the mounting finger **176** being disposed intermediate the ends of the mounting member **170** and adapted to extend through one of the slots **106** in the adjacent side wall **102**. Each of the fingers **175** and **176** is frusto-conical in shape and is rectangular in cross section, the greatest dimensions thereof being less than the dimensions of the slots **105** and **106**, whereby the fingers **175** and **176** can be readily inserted thereinto. The length of the fingers **175** and **176** is less than the width of the associated pockets **125** and **130**, the outer walls of the pockets **125** and **130** covering and protecting the outer ends of the mounting fingers **175** and **176**, respectively.

Recapitulating, the divider structure **140** is formed of a generally rectangular divider **150** and a pair of mounting members **170**, each of the mounting members **170** having a longitudinally extending slot **173** therein, the walls of which grippingly engage the adjacent end of the divider **150**, thereby to form the completed divider structure **140**. Each of the mounting members **170** further has a pair of outwardly extending mounting fingers **175** and **176** thereon which are adapted to be received through aligned pairs of the slots **105** and **106**, respectively, in the inner side walls **102**, the fingers **175** and **176** extending respectively into the pockets **125** and **130** defined between the inner side walls **102** and the outer side walls **120**. When the divider **140** is in place, it divides the interior of the drawer **100** into two compartments, a rear compartment disposed between the rear of the divider **140** and the rear wall of the drawer **100**, and a forward compartment provided between the front of the divider **140** and the front wall or drawer head **110** of the drawer **100**. It will be appreciated that the divider **140** can be placed in any desired adjusted position along the length of the drawer **100**, i.e., in any position corresponding to aligned pairs of the slots **105** and **106** in the side walls **102**. It further will be appreciated that a plurality of the dividers **140** could be provided in one of the drawers **100**, whereby to divide the interior of the drawer **100** into a greater number of individual compartments defined between the dividers **140** and the rear wall and the front wall of the drawer **100**.

Turning now to FIGS. 3, 6 and 7 of the drawings, further details of construction of the box drawers **200** and of the divider structures **240** mounted therein will be given, it being understood that both of the box drawers **200** and the divider structures **240** mounted therein have the same construction. As illustrated, the box drawer **200** has a generally rectangular bottom wall **201** formed of sheet metal and having a width slightly less than the width of the drawer-receiving opening in the front of the pedestal **60** and having a length slightly less than the depth of the pedestal **60**, whereby readily to fit therein. Integral with the outer longitudinal edges of the bottom wall **201** and extending upwardly therefrom are sheet metal inner side walls **202**, the side walls **202** being substantially normal to the bottom wall **201** and extending substantially the length thereof and being disposed parallel to each other. The area bounded by the rear of the bottom wall **201** and the rear of the inner side walls **202** is closed by a rear wall (not shown) and the area bounded by the front of the bottom wall **201** and the front of the inner side walls **202** is closed by a front wall or drawer head **210**, the drawer head **210** carrying a pull **211** thereon to facilitate movement of the drawer **200** between the open and closed position thereof.

There is provided on each of the inner side walls **202** an outer side wall **220**, each of the outer side walls **220** being formed of a piece of generally flat sheet metal bent to provide a cross section such as that illustrated in the lower righthand corner of FIG. 3. More specifically, each of the outer side walls **220** includes a bottom attachment flange **221** disposed along the underside of the bottom wall **201** and secured thereto as by welding and extending laterally outwardly therefrom. On the outer edge of the attachment flange **221** and extending upwardly therefrom is an upwardly extending pair of retaining flanges **224** from which extends inwardly a lower support flange **223**, the flanges **223** and **224** cooperating with the glides **80** in the opening and closing of the drawer **200**. Extending upwardly from the flanges **223** is another attachment portion **222** secured to the outer surface of the adjacent inner side wall **202** as by welding and carrying on the upper edge thereof an outwardly directed support flange **227** that normally rests upon the upper surface of the glides **80**, as illustrated. Integral with the support flange **227** is an upstanding flange **228** which extends rearwardly and carries another attachment flange **229** thereon, the flange **228** being spaced from the outer surface of the adjacent inner side wall **202** to define a first pocket **225** therebetween. A second pocket **230** is defined by an outwardly extending flange **231** on the upper edge of the attachment flange **229** carrying on the outer edge thereof an upstanding side flange **232** which in turn carries an inwardly directed flange **233** integral with another attachment flange **234** suitably secured as by welding to the inner side wall **202**, the flanges **231** and **232** and **233** defining the pocket **230**. There further is provided on the upper edge of the side wall **220** an enlargement **235** having the free end thereof overlapping the upper edge of the inner side wall **202** and suitably secured thereto as by welding. Recapitulating, the outer side wall **220** provides the support flanges **223** and **227** for supporting the drawer **200** upon the associated glides **80**, and also provides a pair of longitudinally extending pockets **225** and **230** extending substantially the length of the inner side wall **202** for a purpose which will be explained more fully hereinafter.

There further is provided in each of the side walls **202** a pair of longitudinally extending vertically spaced apart rows of rectangular slots therein, a first row of slots **205** being arranged toward the lower end of the side wall **202** but spaced above and away from the bottom wall **201** and communicating through the inner side wall **202** with the pocket **225** formed between the side wall **202** and the flange **228**. A second row of rectangular slots **206** is provided in each of the inner side walls **202**, the slots **206** being in alignment with and communicating with the pocket **230** formed by the side wall **202** and the flange **232**. Referring to FIG. 7, it will be best seen that one of the slots **206** is disposed directly above one of the slots **205**, and further referring to FIG. 6, it will be seen that each of the slots **206** in one of the inner side walls **202** is in lateral or horizontal alignment with one of the slots **206** in the other side wall **202**, it being understood that the slots **205** are also arranged in lateral aligned pairs in the opposed inner side walls **202**. Recapitulating, two longitudinally extending rows of slots **205** and **206** have been provided in each of the inner side walls **202**, individual slots in the two rows being in vertical alignment with each other and individual slots in both rows being in lateral or horizontal alignment with the like slot in the inner side wall **202**. Finally, there is an equal distance between adjacent pairs of the slots **205** and between adjacent pairs of the slots **206** in a longitudinal direction along the inner side walls **202**.

In accordance with the present invention there is provided in the drawer **200** a divider structure **240** including a divider **250** and a pair of mounting members **270** therefor. The divider **250** is preferably formed from a piece of sheet metal generally rectangular in shape and having the corners thereof rounded, the divider **250** including a body **251** that in use is arranged with the longer dimension thereof disposed transversely of the drawer **200** and with the shorter dimension thereof disposed vertically within the drawer **200**. Provided along the upper longitudinally extending edge of the divider body **251** is a first bulb fold **252** extending substantially the entire length thereof, and provided along the lower longitudinally extending edge of the divider body **251** is a second bulb fold **253** extending substantially the entire length thereof. Also provided in the body **251** are four longitudinally extending and vertically spaced apart reinforcing ribs **254**, the reinforcing ribs **254** being formed as portions of an arc of a circle and being directed in the same direction as the bulb folds **252–253** and extending the entire length of the divider **250**.

Disposed at each end of the divider **250** and forming a part of the divider structure **240** is a mounting member **270**, the two mounting members **270** being identical in construction, whereby only one of the mounting members will be described in detail and lke reference numerals applied to like parts in both. Preferably, the mounting member **270** is formed of a synthetic organic plastic resin, the preferred type of resin being a lubric resin, an example of a highly suitable resin being high impact polystyrene resin. As viewed in front elevation (see FIG. 7) the mounting member **270** comprises a body **271** generally rectangular in shape but having the inner edges thereof rounded as at **272** as can be seen in FIG. 6 of the drawings. There further is provided on the side of the body **271** disposed inwardly with respect to the adjacent inner side wall **202** a vertically extending groove **273**, the groove **273** being essentially rectangular in cross section and extending the entire length of the body **271**. The width of the groove **273** is slightly less than the distance between the rear surface of the divider body **251** and the forwardmost surface of the reinforcing ribs **254** thereon, whereby the mounting member **270** grippingly receives the adjacent end of the divider **250** within the groove **273** thereof, the lateral walls of the groove **273** being urged outwardly upon insertion of the divider **250** into the groove **273**, whereby these lateral walls of the groove **273** grippingly engage the adjacent end of the divider **250**.

The outer surface **274** of the mounting member **270** is formed substantially flat and is adapted to be disposed against the inner surface of the adjacent side wall **202**. There extends outwardly from the surface **274** a pair of mounting fingers **275** and **276**, the mounting finger **275** being disposed toward the lower end of the mounting member **270** and adapted to extend through one of the slots **205** and the mounting finger **276** being disposed toward the upper end of the mounting member **270** and adapted to extend through one of the slots **206** in the adjacent side wall **202**. Each of the fingers **275** and **276** is frusto-conical in shape and is rectangular in cross section, the greatest width thereof being slightly less than the width of the associated slots **205** and **206**, the vertical extent of the finger **275** being substantially less than that of the associated slot **205** (see FIG. 7), while the finger **276** has a vertical extent only slightly less than that of the associated slot **206**, whereby the fingers **275** and **276** can be readily inserted into the associated slots **205** and **206** respectively. The length of the fingers **275** and **276** is less than the width of the associated pockets **225** and **230**, the outer walls of the pockets **225** and **230** covering and protecting the outer ends of the mounting fingers **275** and **276**, respectively.

Recapitulating, the divider structure **240** is formed of a generally rectangular divider **250** and a pair of mounting members **270**, each of the mounting members **270** having a longitudinally extending slot **273** therein, the walls of which grippingly engage the adjacent end of the divider **250**, thereby to form the completed divider structure **240**. Each of the mounting members **270** further has a pair of outwardly extending mounting fingers **275** and **276** thereon which are adapted to be received through aligned pairs of the slots **205** and **206**, respectively, in the inner side walls **202**, the fingers **275** and **276** extending respectively into the pockets **225** and **230** defined between the inner side walls **202** and the outer side walls **220**. When the divider **240** is in place, it divides the interior of the drawer **200** into two compartments, a rear compartment disposed between the rear of the divider **240** and the rear wall of the drawer **200**, and a forward compartment provided between the front of the divider **240** and the front wall or drawer head **210** of the drawer **200**. It will be appreciated that the divider **240** can be placed in any desired adjusted position along the length of the drawer **200**, i.e., in any position corresponding to aligned pairs of the slots **205** and **206** in the side walls **202**. It further will be appreciated that a plurality of the dividers **240** could be provided in any one of the drawers **200**, whereby to divide the interior of the drawer **200** into a greater number of individual compartments defined between the dividers **240** and the rear wall and the front wall of the drawer **200**.

Fundamentally, the drawers **100** and **200** and the dividers **150** and **250** are all formed of sheet metal. Furthermore, the sheet metal forming the various parts is of relatively light gauge, as will be appreciated from the following examples of the gauge of the sheet metal utilized to form the various parts thereof. For example, the drawer bodies including the bottom walls **101** and **201** and the inner side walls **102** and **202** are formed of 24 gauge sheet metal; the drawer heads **110** and **210** are formed of two pieces of sheet metal that are respectively 22 gauge and 26 gauge; the outer side walls **120** and **220** are formed of 24 gauge sheet metal; and the dividers **150** and **250** are formed of 22 gauge cold roller sheet metal. In a typical constructional example, the slots **105**, **106**, **205** and **206** have a vertical extent ⅜ inch and a width of ⅛ inch; the dividers **150** and **250** for a letter width drawer have a length of 12 inches and for a legal width drawer have a length of 15 inches; the overall height of the divider **150** is 2⅛ inch; the depth of the bulb folds **152** and **153** is 3/16 inch, and the vertical extent of the reinforcing ribs **154** is 5/16 inch; the divider **250** has an overall height of 4¼ inch, the bulb folds **252** and **253** have a depth of 3/16 inch and the vertical extent of each of the reinforcing ribs **254** is 5/16 inch each. As has been explained above, the mounting members **170** and **270** are preferably formed of high impact polystyrene resin, and more specifically are molded from such a resin. In a typical constructional example of the mounting member **170**, the vertical extent thereof is 2⅛ inch, the lateral extent of the outer surface **174** is ½ inch, the distance from the surface **174** to the inner edge is 5/16 inch, the width of the groove **173** at the narrowest point is 7/64 inch and the depth of the groove **173** is 3/16 inch; the vertical extent of the fingers **175** and **176** is ⅛ inch and the length thereof is ⅛ inch, the greatest dimension of the tapered fingers being 7/64 inch and the smallest dimension at the outer end thereof being 3/32 inch. In a typical constructional example of the mounting member **270**, the vertical extent thereof is 4¼ inches, the lateral extent of the outer surface **274** is ½ inch, the distance from the surface **274** to the inner edge is 5/16 inch, the width of the groove **273** at the narrowest point is 7/64 inch and the depth of the groove **273** is 3/16 inch; the vertical extent of the finger **275** is ⅛ inch and the finger **276** is ⅜ inch and the length of the fingers **275** and **276** is ⅛ inch, and ⅜ inch respectively, the greatest dimension of the tapered fingers being 7/64 inch and the smallest lateral dimension at the outer end thereof being 3/32 inch.

From the above description it will be seen that there has been provided drawer constructions and dividers therefor which fulfill all of the objects and advantages set forth above. While there have been described what are at present considered to be the preferred embodiments of the invention, it will be understood that various modifications may be made therein, and it is intended to cover in the appended claims all such modifications as fall within the true spirit and scope of the invention.

What is claimed is:

1. A drawer and divider construction comprising a drawer including a bottom wall and a pair of longitudinal inner side walls extending upwardly from the side edges thereof and a front wall closing the area between said bottom wall and said inner side walls at the front end thereof and a rear wall closing the area being said bottom wall and said inner side walls at the rear end thereof, each of said inner side walls having a longitudinally extending row of slots therein with each slot in each row being in horizontal and lateral alignment with a slot in the other row, a generally imperforate outer side wall on the outer surface of each of said inner side walls and secured thereto and extending substantially the fully length thereof, each of said outer side walls having a portion spaced outwardly from the adjacent inner side wall opposite said row of slots therein and providing a pocket extending outwardly therefrom, a vertically arranged divider mounted in said drawer and disposed generally laterally thereof and having portions disposed between said inner side walls, and a pair of mounting members disposed on the opposite ends of said divider for mounting said divider at any one of a plurality of adjusted positions with respect to said inner side walls, each of said mounting members including a generally rectangular body disposed vertically in said drawer and having a groove in one side thereof grippingly receiving the adjacent end of said divider therein and a finger on the other side thereof extending through one of said slots and into the pocket disposed outwardly with respect thereto to position said mounting member and the associated end of said divider with respect to the adjacent inner side wall, whereby said outer side walls defining said pockets serve to shield said fingers extending through said openings from interfering contact with the associated cabinet supporting said drawer.

2. The drawer and divider construction set forth in claim 1, wherein each of said inner walls has upper and lower longitudinally extending rows of slots therein with each slot in each row on each inner side wall being in horizontal and lateral alignment with the slot in a row on the other of said inner side walls, each of said outer side walls having a pair of generally imperforate portions spaced outwardly from the adjacent inner side wall respectively opposite said upper and lower rows of slots therein and providing corresponding pockets extending outwardly therefrom, and said second structure on each of said mounting members is a pair of fingers extending laterally therefrom and through slots in the upper and lower rows of slots in the adjacent inner side wall and into the pockets associated therewith, whereby said outer side walls defining said pockets serve to shield said fingers extending through said openings from interfering contact with the associated cabinet supporting said drawer.

3. The drawer and divider construction set forth in claim 1, wherein said mounting members are formed of high impact polystyrene resin.

4. A mounting member for mounting a generally rectangular divider in a drawer having a pair of generally parallel inner side walls each provided with two longitudinally extending rows of slots therein with each slot in each row being in horizontal and lateral alignment with a slot in the other row, said mounting member comprising a body of high impact polystyrene resin rectangular in shape and arranged generally vertically in use within the associated drawer, said body having a longitudinally extending groove on one side thereof arranged vertically in use and grippingly receiving the adjacent end of the associated divider therein, and a pair of fingers on the other side of said body extending generally normal thereto for engagement respectively in a pair of vertically alined slots in the adjacent inner side wall to mount the associated divider in a predetermined position within the associated drawer.

5. The mounting member set forth in claim 4, wherein each of said fingers is pyramidal in shape and has a generally rectangular cross section.

6. A drawer and divider construction comprising a drawer including a bottom wall and a pair of longitudinal inner side walls extending upwardly from the side edges thereof and a front wall closing the area between said bottom wall and said inner side walls at the front end thereof and a rear wall closing the area between said bottom wall and said inner side walls at the rear end thereof, each of said inner side walls having upper and lower longitudinally extending rows of slots therein with each slot in each row being in horizontal and lateral alignment with the slot in a row in the other of said inner side walls, a vertically arranged divider mounted in said drawer and disposed generally laterally thereof between said inner side walls, said divider being comprised of a generally rectangular piece of sheet metal having bulb folds on the longitudinally extending edges thereof and having a plurality of longitudinally extending ribs thereon extending the length thereof to provide reinforcement therefor, and a pair of mounting members disposed on the opposite ends of said divider for mounting said divider at any one of a plurality of adjusted positions with respect to said inner side walls, each of said mounting members including a generally rectangular body formed of a synthetic organic plastic resin arranged generally vertically in said drawer, the vertical extent of said body being substantially equal to the lateral extent of said divider, said body having a longitudinally extending groove in one side thereof arranged vertically in said drawer for releasably receiving the adjacent end of said divider therein, the width of said groove being only slightly less than the distance between the rear surface of the divider and the forwardmost surface of said reinforcing ribs, and a pair of fingers on the opposite side of said body extending laterally therefrom and respectively into an upper and lower pair of vertically aligned slots in the adjacent inner side wall so as to position said divider in said drawer.

References Cited

UNITED STATES PATENTS

2,114,042	9/1940	Burdick	220—20
1,677,544	7/1928	Brainard	220—22 X
1,849,024	3/1932	McKee	220—22 X
2,626,725	1/1953	Stevenson	217—22 X
3,016,148	1/1962	Riddle	211—184 X

GEORGE E. LOWRANCE, *Primary Examiner.*

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211—184; 217—22; 312—194

UNITED STATES PATENT OFFICE

CERTIFICATE OF CORRECTION

Patent No. 3,450,296 June 17, 1969

Kenneth D. Schreyer

It is certified that error appears in the above identified patent and that said Letters Patent are hereby corrected as shown below:

Column 4, line 17, "an" should read -- and --. Column 7, line 26, "lke" should read -- like --. Column 8, line 40, "roller" should read -- rolled --. Column 9, line 23, "fully" should read -- full --. Column 10, line 12, "alined" should read -- aligned --; line 57, "2,114,042" should read -- 2,214,042 --.

Signed and sealed this 14th day of April 1970.

(SEAL)
Attest:

Edward M. Fletcher, Jr.
Attesting Officer

WILLIAM E. SCHUYLER, JR.
Commissioner of Patents