May 5, 1970 K. D. SCHREYER 3,510,187

CABINET SHELF CONSTRUCTION

Original Filed March 29, 1966 5 Sheets-Sheet 1

FIG. 1

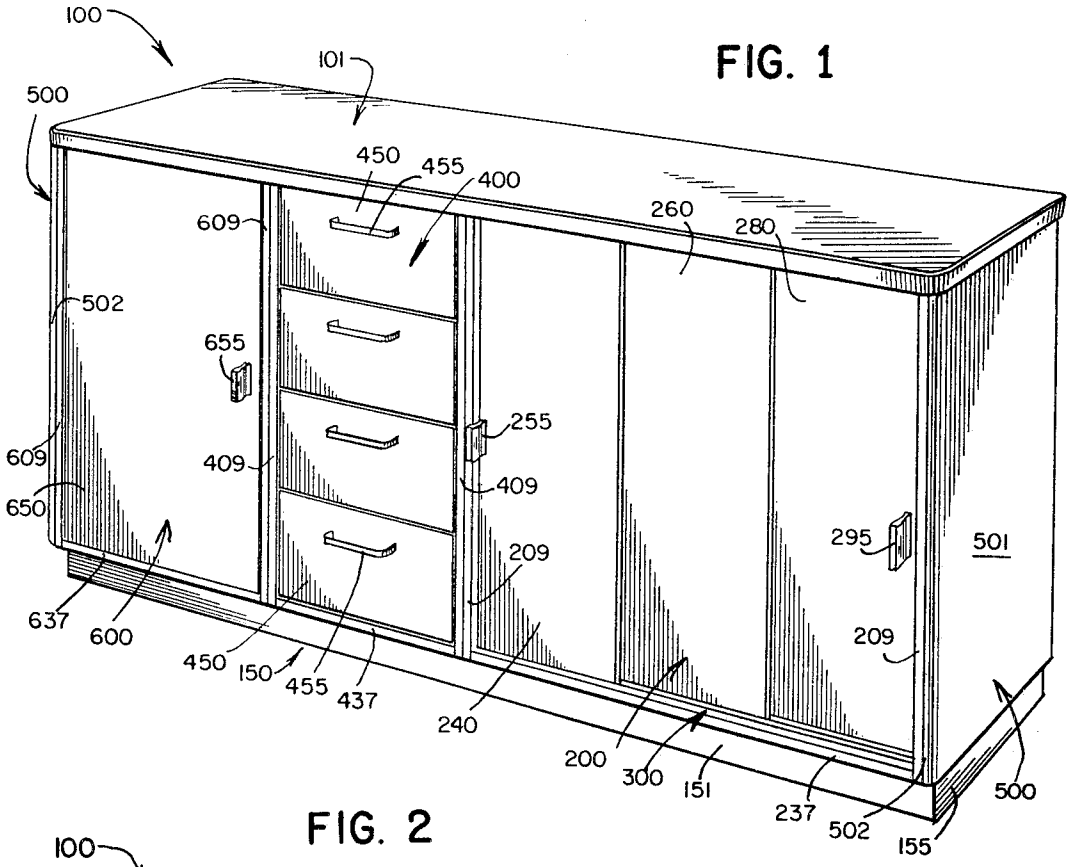
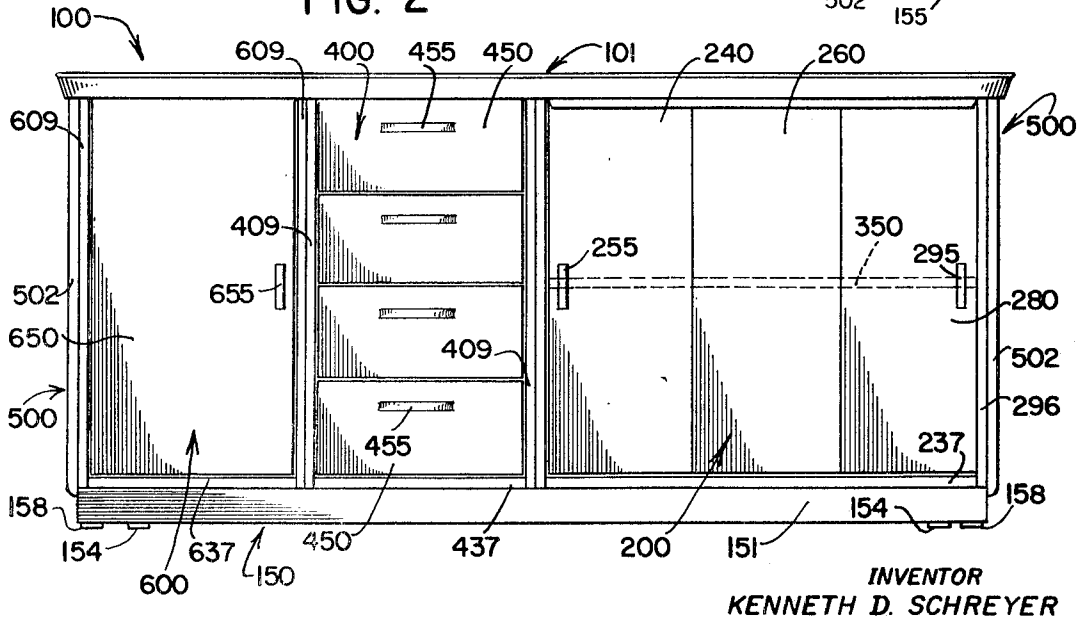


FIG. 2



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ATTYS.

FIG. 3

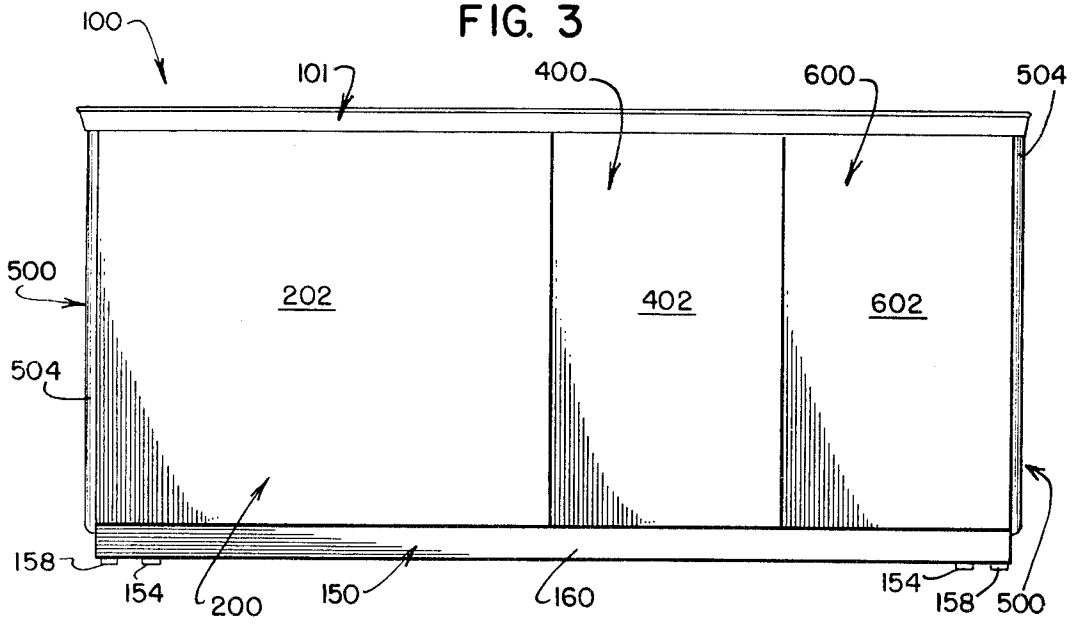
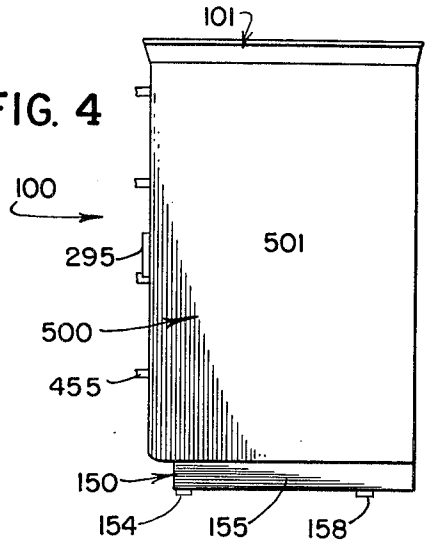

100
101
400
600
504
500
202
402
602
504
158
154
200
150
160
154
158
500

FIG. 4


101
100
501
295
500
455
150
154
155
158

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CABINET SHELF CONSTRUCTION

Original Filed March 29, 1966 5 Sheets-Sheet 3

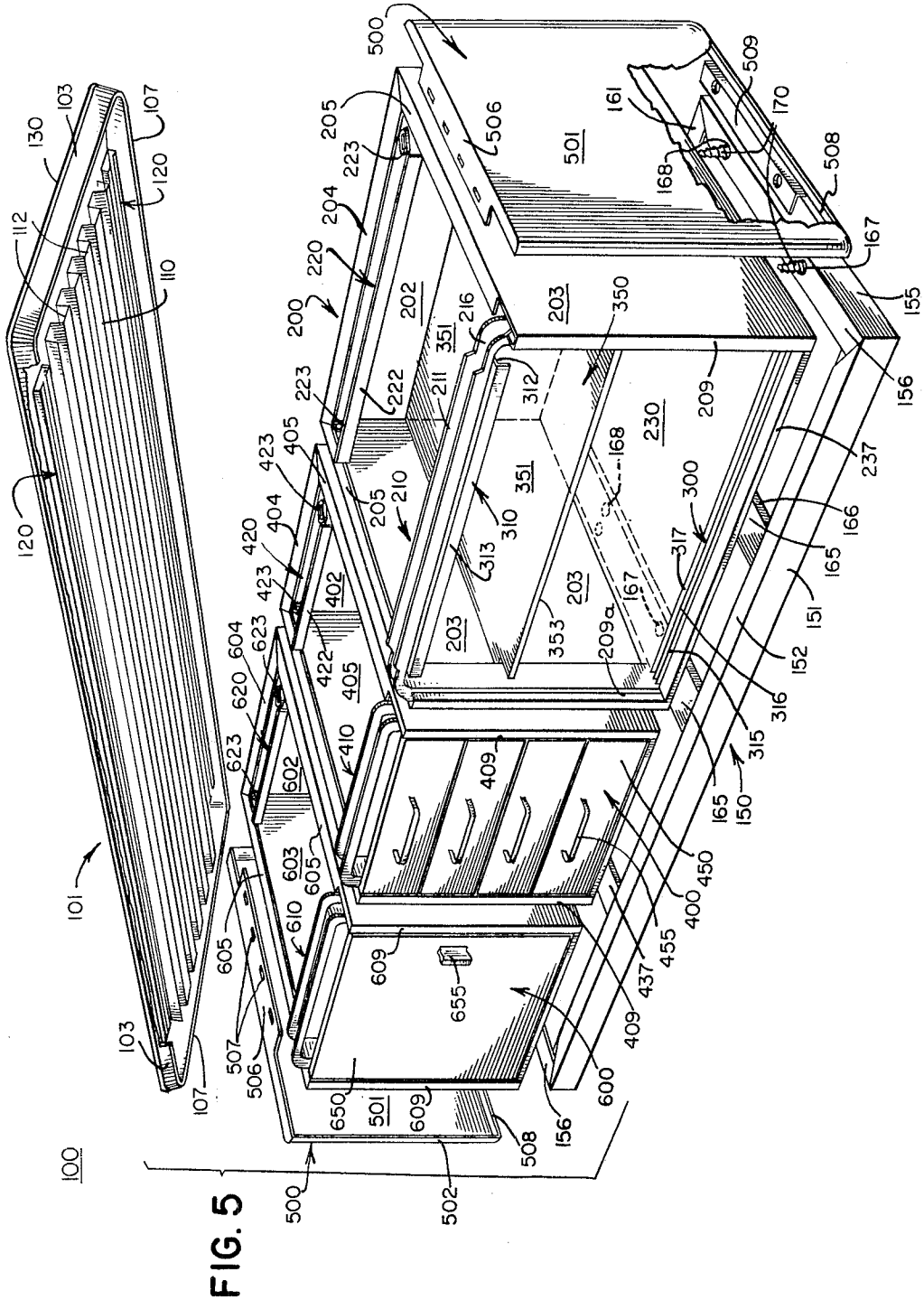


FIG. 5

FIG. 6

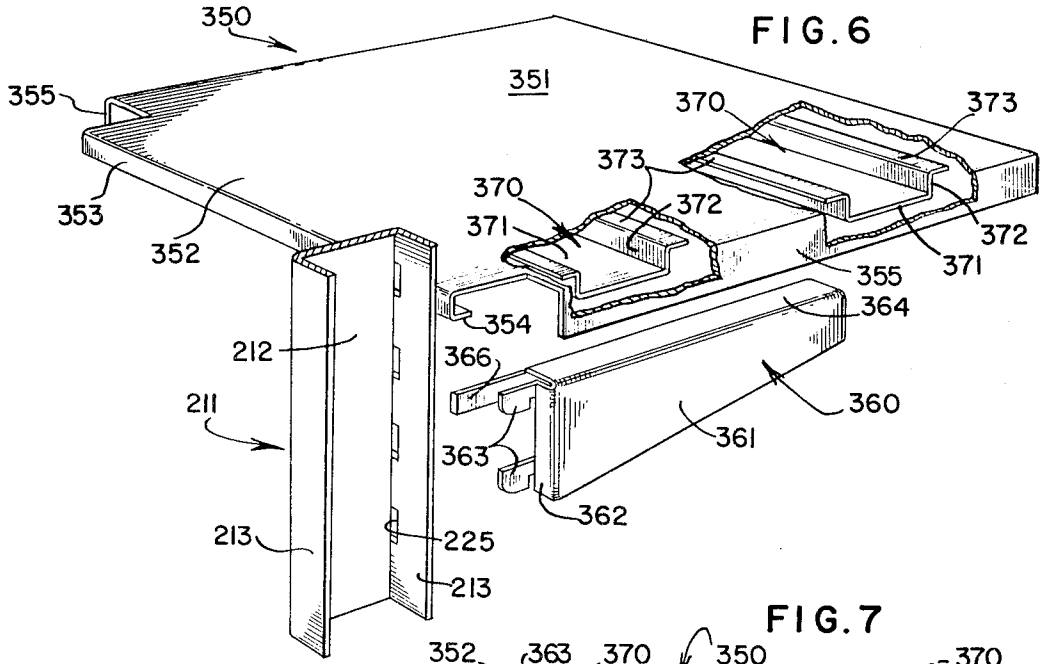


FIG. 7

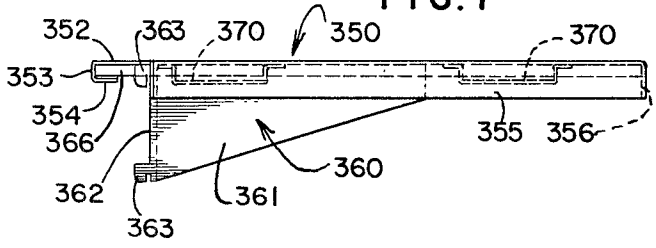
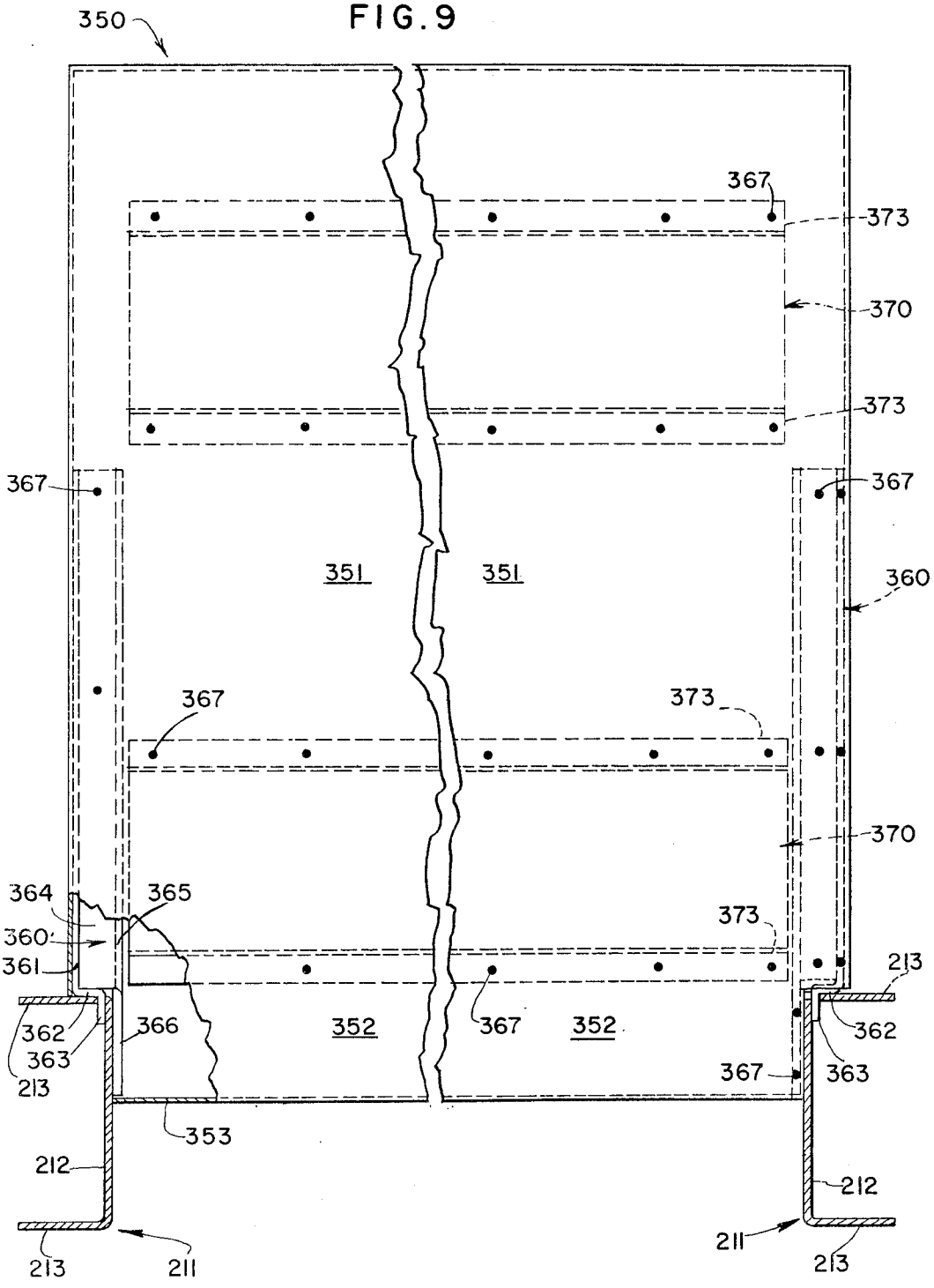


FIG. 8

FIG. 9


350
367
373
370
373
367
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351
351
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365
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CABINET SHELF CONSTRUCTION

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Original application Mar. 29, 1966, Ser. No. 538,423. Divided and this application Jan. 10, 1968, Ser. No. 713,555

Int. Cl. A47b 17/00

U.S. Cl. 312—304 9 Claims

ABSTRACT OF THE DISCLOSURE

The present invention is directed to a storage cabinet and shelf construction comprising a cabinet including a body having a front opening therein, a front frame positioned at the forward portion of the body and secured thereto and including a pair of vertically extending frame members, each of the frame members having a first fastener element thereon arranged on the rear side thereof, a shelf disposed in the body and extending rearwardly thereinto from the frame members, and a pair of mounting brackets disposed on the opposite sides of the shelf and secured thereto and each including a second fastener element arranged on the forward end thereof, the first and second fastener elements cooperating to mount the shelf on the frame members and extending rearwardly therefrom in cantilever fashion.

This application is a division of the co-pending application, Ser. No. 538,423 now Patent No. 3,410,621, filed Mar. 29, 1966, for Storage Construction.

The present invention relates to storage assemblies and particularly to an improved cabinet shelf therefor.

An important object of the present invention is to provide a cabinet and shelf construction wherein the shelf is supported interiorly of the cabinet on the front frame thereof and extending rearwardly therefrom in cantilever fashion with no other support therefor.

A further object of the invention is to provide an improved shelf constructed for mounting in cantilever fashion within a cabinet from the front frame thereof.

Further features of the invention pertain to the particular arrangement in a storage assembly of the shelf therein and the various parts thereof whereby the above-outlined and additional operating features thereof are attained.

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

FIG. 1 is a front perspective view of a storage assembly made in accordance with and embodying the principles of the present invention;

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

FIG. 3 is a rear elevational view of the storage assembly of FIGS. 1 and 2;

FIG. 4 is an end elevational view of the storage assembly of FIGS. 1 to 3;

FIG. 5 is an exploded view of the storage assembly of FIGS. 1 to 4 with the three sliding doors removed from the cabinet disposed to the right;

FIG. 6 is an exploded perspective view of a shelf and the supporting structure therefor that is positioned in the storage unit of the FIG. 5;

FIG. 7 is a side elevational view of the shelf of FIG. 6 with the parts in the assembled position;

FIG. 8 is an enlarged side elevational view of the shelf of FIGS. 7 and 8 and illustrating the mounting thereof on the associated storage unit frame member; and

FIG. 9 is a plan view of the shelf with certain portions broken away and showing the mounting thereof on the associated frame members.

Referring now to the drawings, and particularly to FIGS. 1 to 4 thereof, there is illustrated a storage assembly or backbar **100** made in accordance with and embodying the principles of the present invention. The storage assembly **100** includes a top **101** and a base **150** between which are disposed three storage units, more specifically, a cabinet or bookcase **200** provided with sliding doors, a pedestal **400** with four drawers therein, and a cabinet **600** provided with a swinging door. Each of the storage units **200**, **400** and **600** is firmly secured to the top **101** and is also firmly secured to the base **150**, thereby to provide an integrated unitary storage assembly **100**. There further are provided finishing end panels **500** on either end of the storage assembly to improve the appearance thereof.

The details of the construction of the top **101** will now be described with particular reference to FIG. 5 of the drawings. The top **101** includes a generally flat top plate **102** that is formed of sheet metal and is generally rectangular in shape, the corners thereof being rounded, the periphery of the top plate **102** being essentially the same as the periphery of the top **101**. Disposed beneath the top plate **102** and extending around the periphery thereof is an edging **103**.

Also disposed on the underside of the top plate **102** is a reinforcing sheet **110** formed from a substantially flat piece of sheet metal bent to provide a plurality of spaced apart ribs **112** joined together by attachment portions, the attachment portions being connected to the top plate **102** by use of a body of mastic disposed therebetween and by use of welds. Also mounted beneath the top **102** are two longitudinally-extending, substantially-parallel, spaced-apart mounting channels **120** for use in mounting the storage units **200**, **400**, and **600** upon the top **101**. To complete the top **101**, a decorative trim **130** is provided therearound.

Referring now to FIGS. 1 to 5 of the drawings, the details of construction of the base **150** will be described. As illustrated, the base **150** is essentially rectangular in shape and is formed from a front frame member **151** and a rear frame member **160** that are suitably interconnected as by welding. The front frame member **151** is more particularly U-shaped and has a pair of integral side frame members **155** at either end thereof disposed substantially normal thereto and extending rearwardly therefrom. The front frame member **151** further has an integral upper flange **152** and an integral lower flange (not shown) extending rearwardly therefrom and substantially parallel to each other. The side frame members **155** likewise have upper flanges **156** on the upper edges thereof and lower flanges **157** on the lower edges thereof extending normal to the associated side frame member **155** and substantially parallel to each other. Each of the lower flanges **157** has thereon adjacent to the rear end thereof a downwardly extending embossment providing a foot **158**.

The rear frame member **160** likewise has an upper flange **161** and a lower flange **162** thereon disposed parallel to each other and extending forward and overlapping the flanges **156** and **157** on the side frame members **155**. In order further to rigidify the base **150**, a plurality of braces **165** has been provided, three of the braces **165** having been illustrated and disposed substantially equidistantly along the length of the base **150** and extending between the front frame member **151** and the rear frame member **160**. Each of the braces **165** has a pair of side flanges **166** thereon extending downwardly therefrom and has the outer ends thereof disposed beneath the associated flange **152** or **161**, as the case may be, and secured thereto as by welding at **169**. Finally, a forward

row of openings **167** is provided across the base **150**, one of the openings **167** being provided in the lefthand flange **163**, a pair of the openings **167** being provided in each of the braces **165** and an opening **167** being provided in the righthand flange **156**. A similar row of rear openings **168** is provided across the base **150**, one of the openings **168** being provided in the lefthand flange **156**, a pair of the openings **168** being provided in each of the braces **165** and one of the openings **168** being provided in the righthand flange **156**.

The details of construction of the righthand storage unit **200** will now be described with special reference to FIG. 5 of the drawings. The storage unit **200** is in the form of a cabinet or bookcase and comprises a body **201** including a substantially rectangular rear wall **202**, and a pair of substantially rectangular side walls **203** extending forwardly therefrom and disposed substantially perpendicular thereto and parallel to each other. The upper edge of the rear wall **202** carries a top rear flange **204** and the upper edges of the side walls **203** carry top side flanges **205**. The forward edges of the side walls **203** carry inwardly directed front flanges **209** that extend substantially vertically.

Disposed at the forward portion of the cabinet body **201** is a front frame **210**, the details of construction of which are best illustrated in FIG. 5 of the drawings, and from those views it will be seen that the frame **210** is formed of a substantially U-shaped channel **211** having the legs thereof disposed vertically with the upper ends of the legs integrally joined to form the U-shape thereof. Further details of this construction are disclosed in the copending application of Kenneth D. Schreyer, Ser. No. 503,157, filed Oct. 23, 1965 for Desk Construction, now Pat. No. 3,363,955. It will be seen therefore that the front frame **210** extends upwardly through the cut out portions of the side top flanges **205** with the flanges **209***a* disposed adjacent to the forward surfaces thereof and with the side walls **203** firmly secured thereto both by welding and by the mastic disposed therebetween.

A rear top support **220** is disposed adjacent to the rear end of the cabinet **200**, the ends of the support **220** having respectively therein upwardly-extending embossments **223**, each having an opening adapted to receive the fastener for mounting the cabinet **200** on the top **101**. A bottom wall **230** is also provided in the cabinet **202**, the bottom wall **230** being carried on the lower ends of the side walls by flanges thereon (not shown). The front opening of the cabinet **200** defined by the front frame **210** is provided with a door structure, so that this front opening can be closed when desired and selectively opened when required. To this end three sliding doors **240**, **260**, and **280** have been provided in the front opening and mounted upon lower track structure **300** and upper track structure **310**, the lower track structure **300** including a front track **315**, a middle track **316**, and a rear track **317**.

Disposed within the cabinet **200** and extending rearwardly therefrom and supported therein in cantilever fashion is a shelf **350**, the mounting and construction of the shelf **350** being best illustrated in FIGS. 5 to 9 of the drawings. The shelf **350** includes a generally rectangular main panel **351** formed of sheet metal and having integral therewith a forwardly directed forward portion **352** having a width less than that of the main panel **351**; preferably the width of the main panel **351** is only slightly less than the distance between the side walls **203** of the cabinet **200** whereas the width of the forward portion **352** is slightly less than the distance between the vertical frame members **211** of the front frame **210**. Integral with the forward edge of the forward portion **352** is a depending front flange **353** on the lower edge of which is provided a rearwardly directed bottom flange **354**. Each side edge of the main panel **351** has a depending side flange **355** thereon and the rear edge of the main panel **351** also has a depending rear flange **356** thereon, the flanges **355** and **356** being joined as by welding to increase the strength of the shelf **350**.

In order to mount the shelf **350** upon the front frame **210**, a pair of mounting brackets **360** has been provided, the mounting brackets being identical except that one is the mirror image of the other, whereby only one of the brackets **360** will be described in detail and like reference numerals supplied to like parts of both. The bracket **360** includes a main wall **361** which has a substantially horizontal upper edge and substantially vertically arranged front and rear edges and an upwardly and rearwardly inclined bottom edge. The forward edge has an integral front flange **362** thereon directed inwardly and carrying on the inner edge thereof a pair of vertically spaced apart hooks **363**. The hooks **363** are spaced apart and dimensioned such that they will fit into an associated pair of vertically elongated slots **225** provided in an adjacent channel frame member **211**, thereby to mount the bracket **360** and the connected shelf **350** thereon. Integral with the upper edge of the main wall **361** is an inwardly directed top flange **364** which carries on the inner edge thereof a depending inner flange **365** which has on the forward end thereof an outwardly extending support arm **366** which is disposed against an inner surface of the associated channel **211** when the shelf is in the mounted position thereof, the arm **366** being disposed beneath the adjacent edge of the forward portion **352** and extending forwardly substantially to the front ange **353**. The brackets **360** are fixedly secured to the main panel **351** and the forward portion **352** as by welding at the points **367**, the side anges **355** also being welded to the bracket main wall **361**. There further is provided for reinforcement purposes a pair of reinforcing channels **370**, the channels **370** being disposed on the undersurface of the main wall **351** and being disposed laterally with respect thereto and positioned between the brackets **360**. Each of the channels **370** includes a main wall **371** spaced downwardly from the underside of the main panel **351** and having on the longitudinally extending edges thereof upwardly directed side flanges **372**. The side flanges **372** extend up to the underside of the main panel **351** and have integral therewith outwardly directed attachment flanges **373**. The attachment flanges **373** are secured to the shelf main panel **351** also by welding as at **367**. As a result of the described construction, the shelf **350** has a very rigid and strong construction whereby it can readily be mounted upon the front frame **210** and extends rearwardly therefrom and is supported in cantilever fashion thereby, no other support being required therefor. More specifically, the hooks **363** on the brackets **360** engage in an adjacent pair of the slots **225** in the rear edges of the front frame **210**. The front flange **362** of each of the brackets **360** bears against the rear side flange **213** of the front frame **210**, also thereby to assist in the support of the shelf **350**. The support brackets **360** extend rearwardly from the frame **210** and support thereon the main panel **351**, the arms **366** extending forwardly to support the forward portion **352**. By providing a series of horizontally aligned slots **225** in the front frame **210**, the position of the shelf **350** vertically with respect to the front frame **210** can be manually adjusted.

Referring now to FIG. 5, the details of construction of the storage unit **400** will be described. As illustrated, the storage unit **400** is in the form of a pedestal having mounted therein a plurality of sliding draws. The pedestal **400** comprises a substantially rectangular rear wall **402**, and a pair of substantially rectangular side walls extending perpendicular thereto and parallel to each other. The upper edge of the rear wall **402** carries a top flange **404** and the upper edges of the side walls carry top side flanges **405**.

Disposed at the forward portion of the pedestal **400** is a front frame **410**, the frame **410** being formed from a channel member extending completely around the front opening in the pedestal **400**. A rear top support **420** is disposed adjacent to the rear end of the pedestal **400** and has upwardly-extending embossments disposed

in the ends of the support **420**. An opening in each of the embossments **423** is adapted to receive fasteners for the mounting of the pedestal **400** on the top **101**. Further details of construction of the pedestal **400** are set forth in the copending application of Kenneth D. Schreyer, Ser. No. 503,157, filed Oct. 23, 1965 for Desk Construction, now Pat. No. 3,363,955.

Disposed within the pedestal **400** are a plurality of drawers **450**, four box drawers **450** having been illustrated in the drawings, each of the drawers **450** being provided with a suitable pull **455**.

Referring now to FIG. 5, the details of construction of the storage unit **600** will be described. As illustrated, the storage unit **600** is in the form of a pedestal having mounted thereon a swinging door. The pedestal **600** comprises a body **601** including a substantially rectangular rear wall **602**, and a pair of substantially rectangular side walls **603** extending perpendicular thereto and parallel to each other. The upper edge of the rear wall **602** carries a top rear flange **604** and the upper edges of the side walls **603** carry top side flanges **605**. The forward edges of the side walls **603** also carry inwardly directed front flanges **609** that extend substantially vertically.

Disposed at the forward portion of the pedestal body **601** is a front frame **610**, the frame **610** being formed from a channel member extending completely around the front opening in the pedestal body **601**, the channel member being U-shaped in cross section. The frame **610** fits within the forward portion of the pedestal **600**. A rear top support **620** is disposed adjacent to the rear end of the pedestal **600** and includes a pair of upwardly-extending embossments **623**, each having an opening therein adapted to receive a fastener for the mounting of the pedestal **600**. There is further provided a door **650** hingedly mounted to the front frame **610**, a pull **655** being provided to facilitate opening and closing of the door **650**.

Further details of construction of the pedestal **600** are set forth in the copending application of Kenneth D. Schreyer, Ser. No. 503,157, filed Oct. 23, 1965 for Desk Construction, now Pat. No. 3,363,955.

There is provided at either end of the storage assembly **100** a finishing panel **500**, details of construction of which are best seen in FIG. 5 of the drawings. The finishing panels **500** are formed identical to one another, and accordingly, only one will be described in detail, like reference numerals being applied to like parts of both the finishing panels **500**. As illustrated, the finishing panel **500** includes a main wall **501** that is generally rectangular in shape and has a width and height such as to cover the end of the adjacent storage assembly **100**. The forward edge of the main wall **501** carries an integral curved side flange **502** thereon that extends inwardly. The upper edge of the main wall **501** carries an inwardly directed top flange **506** which overlies the adjacent storage unit side top flange such as the side top flange **205** in FIG. 5. The lower end of the main wall **501** carries an inwardly directed rounded bottom flange **508** which extends upwardly and terminates in a lateral flange **509** that is disposed on top of the base upper flange **156**, the longitudinal extent of the lateral flange **509** being substantially less than the longitudinal extent of the main wall **501** as may be best seen in FIG. 5 of the drawings. In fitting over the base flange **156**, the lateral flange **509** also is disposed beneath the side bottom flange of the adjacent storage unit such as the side bottom flange **268** on the cabinet side wall **203** as illustrated in FIG. 5.

It will be seen that each of the storage units **200**, **400** and **600** as well as the finishing panels **500** are connected both to the top **101** and the base **150**. More specifically, the front mounting channel **120** on the top **101** is received between the side flanges at the top of the front frames **210**, **410** and **610** of the storage units **200**, **400** and **600**, respectively, each of the front frames having openings therethrough which receive the bolts **149** (see FIGS. 1 and 5) engaging the special nuts **140** disposed in the mounting channel **120**, whereby each of the storage units **200**, **400** and **600** has the forward end thereof firmly clamped to the front mounting channel **120**. Furthermore, the rear mounting channel **120** is disposed above the rear top supports **220**, **420** and **620** of the storage units **200**, **400** and **600**, respectively, and in position such that the bolts **149** extending through the diagonal openings therein are engaged by special nuts **140** disposed in the rear mounting channel **120**. As a consequence, the rear end of each of the storage units **200**, **400** and **600** can be firmly clamped to the top **101** via the rear mounting channel **120** thereon. Such clamping of the storage units **200** and **600** to the underside of the top **101** likewise clamps the top flanges **506** on the finishing panels **500** in the operative positions thereof. The bottoms of the storage units **200**, **400**, and **600** are likewise fixably connected to the base **150**.

It will be understood that a wide variety of storage units may be utilized in the storage assembly **100**, and further that the storage units illustrated can be modified and the order thereof on the base **150** changed and arranged. For example, the order of storage units on the base **150** can be rearranged so that any one of the three storage units illustrated may be placed in any of the three possible positions thereof upon the base **150** and beneath the top **101**. The storage unit **200** further may be modified to omit the shelf **350**, if desired, and likewise the doors **240**, **260** and **280** may be omitted therefrom. In the storage unit **400**, several possible combinations of arrangements of drawers therein is possible; for example, instead of the four box drawers illustrated, two box drawers can be provided over a file drawer, or two file drawers may be provided in place of the four box drawers. With respect to the storage unit **600**, the door may be omitted therefrom and there also may be provided therein an adjustable shelf of the same construction and mounted in the same manner as the shelf **350** in the storage unit **200**. A lesser number or a greater number of storage units might also be included in the storage assembly **100**, the length of the top **101** and the length of the base **150** being adjusted acocrdingly.

Fundamentally, the storage unit **100** is formed of sheet metal with the exception of the several parts mentioned during the above description. 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 sheet metal utilized to form the various parts of the storage assembly **100**. For example, in a typical illustrative embodiment of the top **101**, the top plate **102** is formed of 20 gauge steel, the edging **103** is formed of 18 gauge steel, the reinforcing sheet **110** is formed of 24 gauge steel and the mounting channels **120** are formed of 18 gauge steel. In an illustrative example of the construction of the base **150**, the front frame member **151** is formed of 20 gauge steel and the rear frame member is formed of 20 gauge steel and the braces **165** are formed of 18 gauge steel. In illustrative examples of the storage units **200**, **400** and **600**, the bodies **201**, **401** and **601** thereof are formed of 20 gauge steel, the channels forming the front frames **210**, **410** and **610** are formed of 14 gauge steel, the rear top supports **220**, **420** and **620** are formed of 18 gauge steel; the doors **240**, **260** and **280** have the front panels and the reinforcing sheets thereof formed of 22 gauge steel while the several pick-up arms are formed of 16 gauge steel; the shelf **350** is formed of 20 gauge steel while the brackets **360** therefor are formed of 14 gauge steel.

From the above description it will be seen that there has been provided an improved storage assembly which fulfills all of the objects and advantages set forth above. More specifically, there has been provided an improved storage assembly including an integral elongated top **101** having a pair of spaced apart mounting channels **120** disposed on the underside thereof and secured thereto, and a plurality of storage units **200**, **400** and **600** arranged

in side by side relationship beneath the top **101** and secured thereto by means of the mounting channels **120**, thereby to provide a compact and strong construction with good interconnection between the parts. Furthermore, an integral base is provided joining the lower ends of the storage units in the storage assembly. A wide variety of storage units can be accommodated in the storage assembly such as cabinets, bookcases, pedestals with drawers therein, cabinets with doors or without doors, and the like. All of the storage units are connected to an improved top including a flat top plate **102** and a reinforcing sheet **110** with reinforcing ribs **112** therein attached to the underside of the top plate **102**, a body of mastic **115** being disposed between the contacting surfaces of the top plate **102** and the reinforcing sheet **110** with welds made therethrough, thus to provide a strong connection between the parts and to provide good sound deadening properties therein. Furthermore, the interconnection is facilitated by an improved channel and mounting nut construction including the channels **120** and the special nuts **140**.

There further has been provided an improved shelf construction **350** wherein the shelf is supported inwardly of the associated cabinet **200** on the front frame **210** thereof and extends rearwardly therefrom in cantilever fashion with no other support needed therefor.

While there has been described what is at present considered to be the preferred embodiment 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 storage cabinet and shelf construction comprising a cabinet including a body having a front opening therein, a front frame positioned at the forward portion of said body and secured thereto and including a pair of vertically extending frame members, each of said frame members having a first fastener element thereon arranged on the rear side thereof, a shelf disposed in said body and extending rearwardly thereinto from said frame members, and a pair of mounting brackets disposed on the opposite sides of said shelf and secured thereto and each including a second fastener element arranged on the forward end thereof, said first and second fastener elements cooperating to mount said shelf on said frame members and extending rearwardly therefrom in cantilever fashion.

2. The storage cabinet and shelf construction set forth in claim **1**, wherein said first fastener elements comprise vertically arranged rows of slots in said frame members on the rear sides thereof, and said second fastener elements comprise hooks extending from the forward sides of said mounting brackets and engaging in said slots to mount said shelf on said frame members in cantilever fashion.

3. The storage cabinet and shelf construction set forth in claim **1**, wherein said shelf comprises a main wall portion disposed rearwardly with respect to said frame members and extending substantially the width of said body and a forward portion disposed between said frame members and extending forwardly to the front of said body and forwardly beyond said second fastener elements.

4. The storage cabinet and shelf construction set forth in claim **1**, and further comprising a laterally extending reinforcement member mounted on the underside of said shelf adjacent to the rear end thereof.

5. A shelf for mounting in a cabinet having a front opening therein provided with a pair of vertically extending frame members adjacent to the front thereof and having fastener elements arranged on the rear side thereof, said shelf comprising a main wall arranged horizontally in use and disposed within the associated cabinet and generally behind the associated frame members, and a pair of mounting brackets disposed on the opposite sides of said main wall and secured thereto, each of said mounting brackets having a fastener element on the forward end thereof for engagement with the fastener element on the associated frame members to mount said shelf on the associated frame members and extending rearwardly therefrom in cantilever fashion.

6. A shelf for mounting in a cabinet having a front opening therein provided with a pair of vertically extending frame members adjacent to the front thereof and having fastener elements arranged on the rear side thereof, said shelf comprising a main wall arranged horizontally in use and disposed within the associated cabinet and generally behind the associated frame members, and a pair of mounting brackets disposed on the opposite sides of said main wall and secured thereto, each of said mounting brackets having a fastener element on the forward end thereof for engagement with the fastener element on the associated frame members to mount said shelf on the associated frame members and extending rearwardly therefrom in cantiliver fashion, said main wall having integral therewith a forward portion having a width less than that of said main wall and slightly less than the distance between the associated frame members and extending forwardly beyond said bracket fastener elements.

7. A shelf for mounting in a cabinet having a front opening therein provided with a pair of vertically extending frame members adjacent to the front thereof and having slots arranged on the rear side thereof, said shelf comprising a main wall arranged horizontally in use and disposed within the associated cabinet and generally behind the associated frame members, and a pair of mounting brackets disposed on the opposite sides of said main wall and secured thereto, each of said mounting brackets having hooks on the forward end thereof for engagement with the slots on the associated frame members to mount said shelf on the associated frame members and extending rearwardly therefrom in cantilever fashion.

8. A shelf for mounting a cabinet having a front opening therein provided with a pair of vertically extending frame members adjacent to the front thereof and having fastener elements arranged on the rear side thereof, said shelf comprising a main wall arranged horizontally in use and disposed within the associated frame members, a pair of mounting brackets disposed on the opposite sides of said main wall and secured thereto, each of said mounting brackets having a fastener element on the forward end thereof for engagement with the fastener element on the associated frame members to mount said shelf on the associated frame members and extending rearwardly therefrom in cantilever fashion, and a reinforcing member disposed beneath said main wall and extending laterally thereof and adjacent to the end thereof disposed way from said brackets.

9. A storage cabinet and shelf construction comprising a cabinet including a body having a front opening therein, a front frame positioned at the forward portion of said body and secured thereto and including a pair of vertically extending frame members, each of said frame members having a first fastener element theerof arranged on the rear side thereof, a shelf disposed in said body and extending rearwardly thereinto from said frame members, a pair of mounting brackets disposed on the opposite sides of said shelf and secured thereto, each of said mounting brackets including a second fastener element arranged on the forward end thereof, and a support arm associated with each of said mounting brackets, said support arms extending forwardly of said brackets and being positioned inwardly thereof, said first and second fastener elements cooperating to mount said shelf on said frame members and extending rearwardly therefrom in cantilever fashion, said shelf comprising a main wall arranged horizontally in use and generally behind said frame members and having integral therewith a forward portion having a width less than that of said main wall and slightly less than the distance between said frame members and extending forwardly beyond said bracket fastener elements, said forward portion of said

shelf overlying said support arms and being supported thereby, said forward portion of said shelf having integral therewith at the front thereof an L-shaped stop for holding said support arms in supporting position against said stop when said shelf is in use.

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JAMES T. McCALL, Primary Examiner

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108—152; 312—194

UNITED STATES PATENT OFFICE

CERTIFICATE OF CORRECTION

Patent No. 3,510,187 May 5, 1970

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 26, "ange" should read -- flange --; line 29, "anges" should read -- flanges --; line 63, "draws" should read -- drawers --; line 67, after "top" insert -- rear --. Column 5, line 65, "268" should read -- 208 --. Column 6, lines 21 and 22, "arranged" should read -- rearranged --; line 41, "acocrdingly" should read -- accordingly --. Column 8, line 57, "theerof" should read -- thereof --.

Signed and sealed this 5th day of January 1971.

(SEAL)
Attest:

Edward M. Fletcher, Jr.
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Commissioner of Patents