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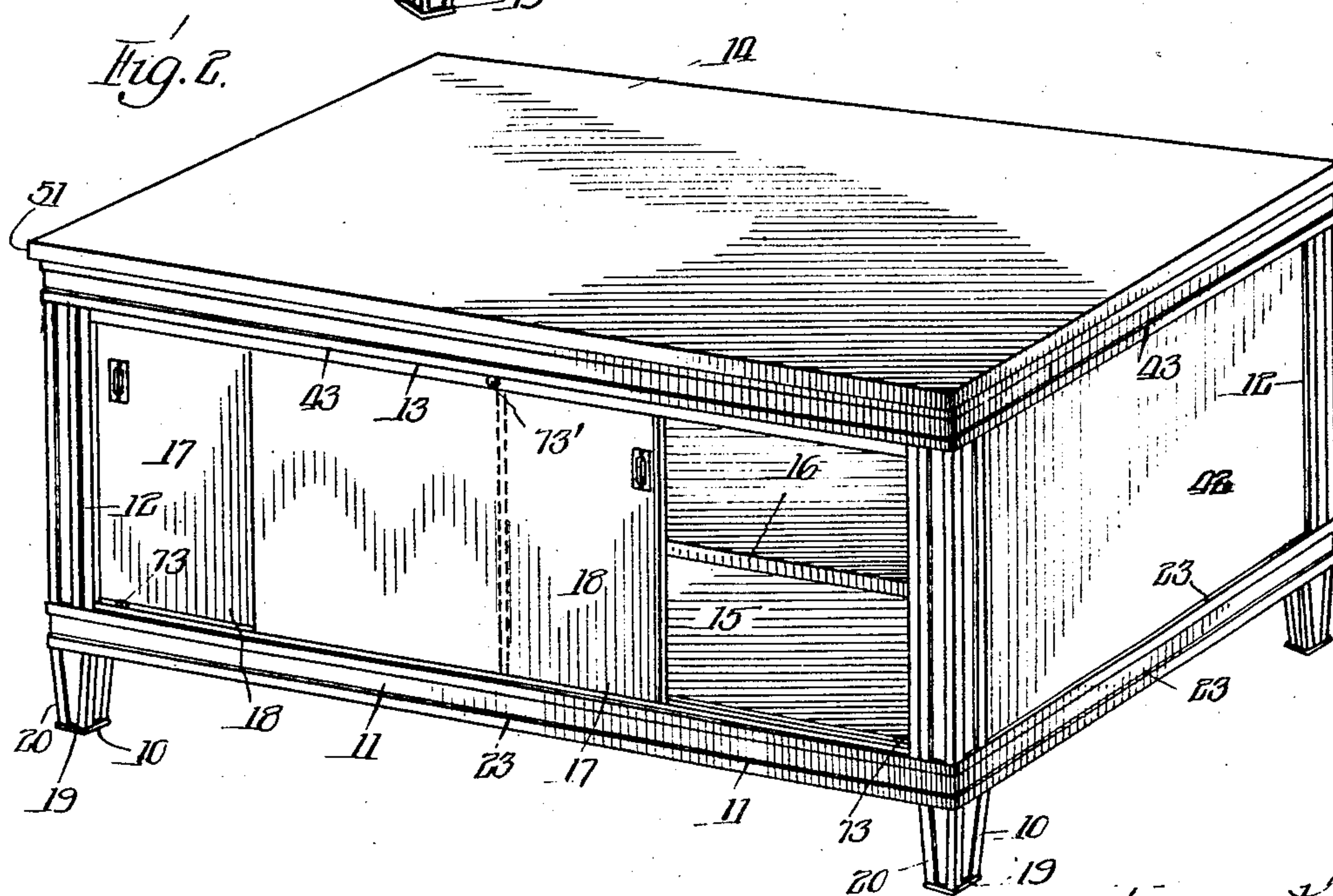
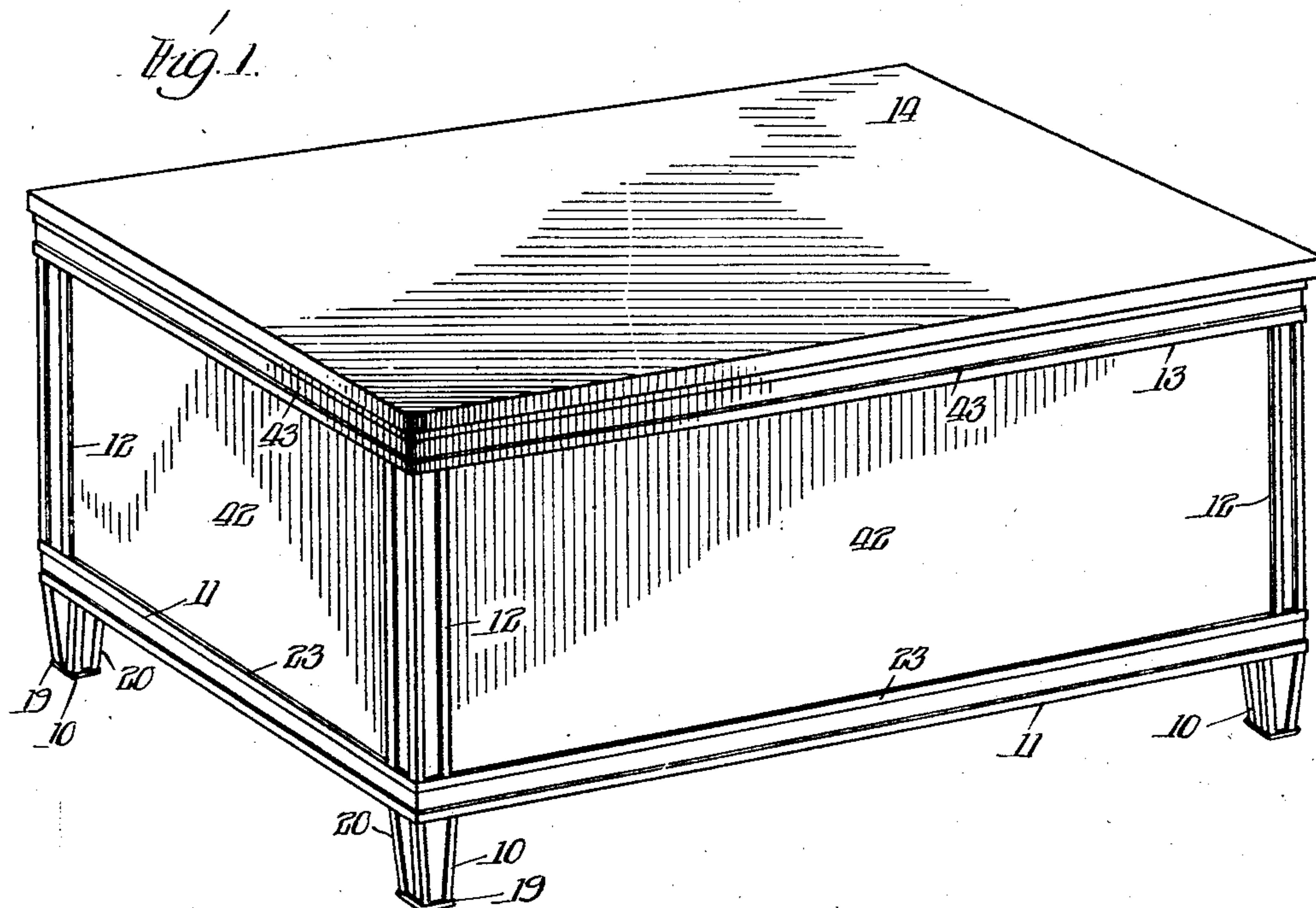
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MERCHANDISING TABLE

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2 Sheets-Sheet 1



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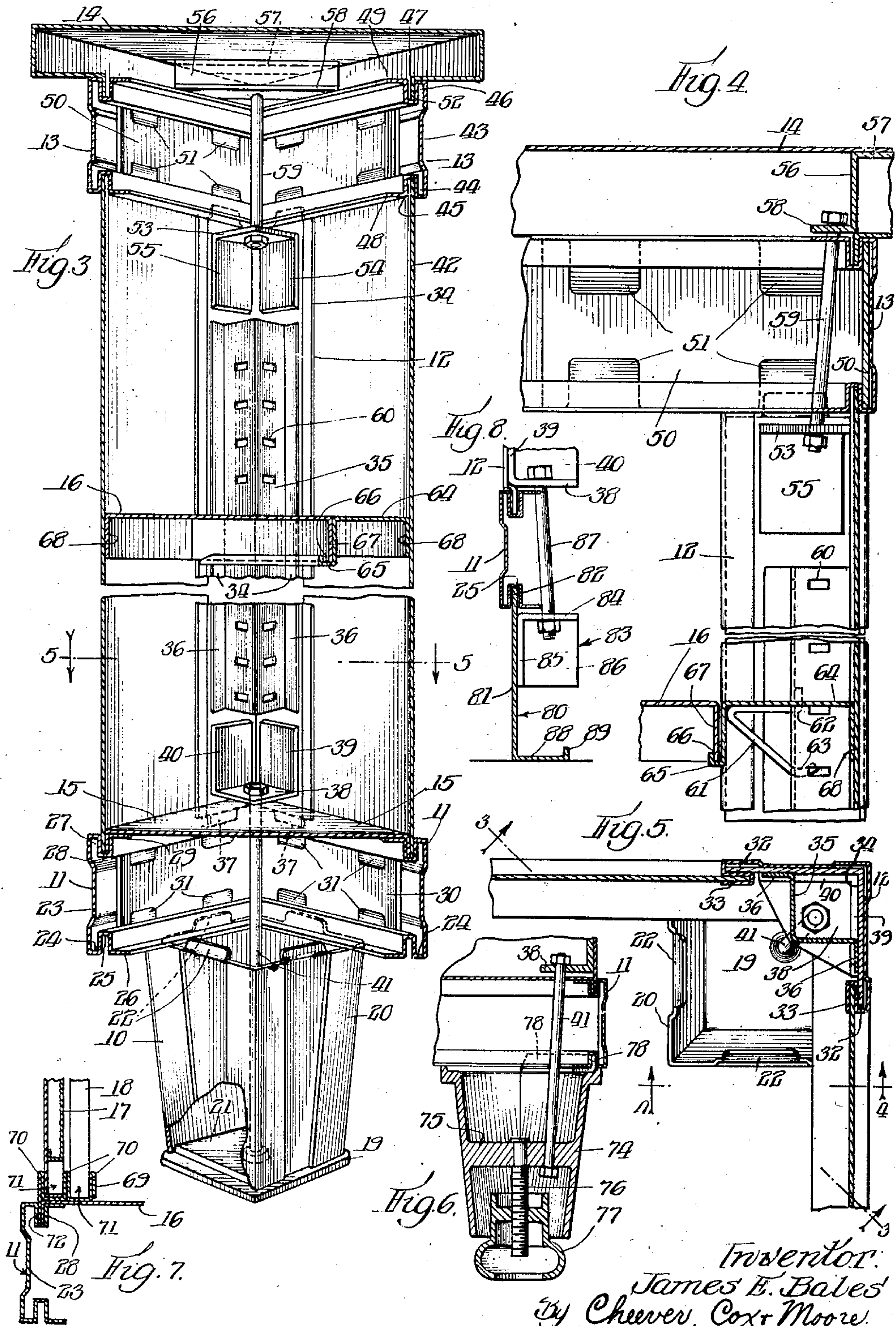
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UNITED STATES PATENT OFFICE

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MERCHANDISING TABLE

Application filed July 15, 1929. Serial No. 378,393.

This invention relates to tables in general and particularly to merchandising tables.

The object of the invention is to provide a merchandising table which has parts thereof of interlocked and reinforced.

Another object is to provide a merchandising table which is made up of a plurality of interlocking and interfitting parts, and which is provided with means for adjustably securing shelves in the interior thereof.

Another object is to provide a new and improved sheet metal table which presents a smooth and neat appearance on the outside thereof, which has certain parts interengaging and interlocking with each other, and which is maintained in rigid position by fastening means arranged on the inside thereof.

A further object is to provide a sheet metal table which can be knocked down for shipping and storing, and which can be quickly and readily assembled.

Another object is to provide a table which is strong and durable, which is simple and efficient, and which can be readily and economically manufactured.

Further objects and advantages will hereinafter appear.

The invention comprises in general a pair of interlocking upper and lower frames, which receive the side panels therebetween. These frames are made of four members, which have mitered joints and are reinforced at the corners thereof. A top interlocks with the upper frame and a foot interlocks with the lower frame. A pair of tightening members are provided in each corner of the table for holding the frames, legs, top and feet in position. Tightening of the bolts also holds the interlocking parts, including the side panels, in rigid position. An adjusting strip is arranged in the corner of each leg, and it is provided with slots which receive clips. The clips may be arranged in any of the slots and adjustably support a shelf.

The accompanying drawings illustrate a selected embodiment of the invention, and the views therein are as follows:

Fig. 1 is a front perspective view of the merchandising table.

Fig. 2 is a detail rear perspective view thereof.

Fig. 3 is a detail sectional view on the line 3—3 of Fig. 5 and shows the manner in which the table is constructed and assembled.

Fig. 4 is a detail sectional view on the line 4—4 of Fig. 5.

Fig. 5 is a plan sectional view on the line 5—5 of Fig. 3, parts being omitted for the sake of clearness.

Fig. 6 is a modified form of foot.

Fig. 7 is a detail sectional view of a hanger or slide in which the doors operate.

Fig. 8 is a detail sectional view showing an inclosed base which may be substituted for feet.

Referring to the drawings, 10 designates a foot which supports a rail or frame 11. The frame 11 which comprises a plurality of side members, has operable interfitting engagement with corner members 12. These corner members form extended legs and are supported at their lower ends by the frame or rail 11 and have interfitting engagement at the upper ends with an upper frame or rail 13. A top 14 is mounted on the top frame or rail 13 and has interengaging parts which fit into the said rail or frame 13. A bottom 15 is supported by the frame or rail 11, and a shelf 16 is arranged intermediate the top 14 and the bottom 15. Sliding doors 17 and 18 slide in a frame member or hanger which is arranged on the frame or rail 11.

The foot 10 comprises a floor plate 19 on which a substantially rectangular and tapering shell 20 is mounted. An offset portion 21 is fixed to the top of the plate 20 or made integral therewith, and is received in the lower end or bottom of the foot 10. An upstanding ear 22 is provided on each of the four sides of the foot 10 and is adapted to have engagement with the lower frame or rail 11.

The lower rail or frame 11 is made up of four side members 23, which have their bottoms bent to provide channels 24 and 25, and inturned legs 26. The upper parts of the members 23 are bent to provide channels 27 and 28 and inturned legs 29. The channels 24 and 25 are substantially the same size

as the channels 27 and 28 and are disposed opposite thereto and are substantially symmetrical. A reinforcing angle member 30 fits into the channels 24 and 27 at the corners thereof to strengthen the same. The side members 23 are mitered at their ends, so that when they are slipped over the reinforcing member 30 their edges will abut and make a smooth joint. The member 30 may have protuberances 31 struck out therefrom so that the side members 23 will have a tight slip fit therewith.

The corner members or legs 12 are made substantially triangular in shape and have the ends thereof bent over substantially S-shaped to provide channels or grooves 32 and 33 on both sides thereof, Fig. 5. These corner members or legs 12 fit over an angle reinforcing member 34 which is received in the grooves 32. An adjusting strip 35, having outwardly extending legs 36, is welded or otherwise fastened to the inside of the angle iron 34. This angle iron is provided with ears 37 which fit or nest into the groove 28 in the side members 23.

A horizontal plate 38, Fig. 3, has upstanding legs 39 and 40 which are welded to the reinforcing angle iron 34. A bolt 41 is connected to the base plate 19 and to the horizontal plate 38 and securely holds the frame or rail 11, which is composed of the side members 23, and the corner members or legs 12, in proper rigid position. Table sides or panels 42 are arranged in the grooves 28 in the members 23 and have their ends engaging the grooves 33 in the legs.

The top rail or frame 13 is made up of four side members 43 and are bent over upon themselves to provide a pair of lower channels 44 and 45, upper channels 46 and 47, and inwardly extending legs 48 and 49. The side members 43 are mitered at their ends and receive an angle iron reinforcing member 50 in the channels 44 and 46 in the same manner as member 30 is received in the member 23. The member 50 is also provided with protuberances 51 so that as the side members 43 are slipped over the member 50, the protuberances will form a tight fit. The members 43 are mitered at their ends so that when they fit over the member 50 they will abut and make a smooth joint. The upper edges of the sides or panels 42 are received in the channels 45 in the same manner as the lower edges are received in the channels 28.

The top 14 has its lower side bent over to provide a leg 52 which is received in the channel 47.

A horizontal member 53, Fig. 3, has a pair of legs 54 and 55, which are welded to the member 34 in the same manner as the member 38 is fastened. A Z-bar 56, Fig. 4, has its upper leg 57 fastened to the top 14, and has its lower leg 58 extending inwardly. A bolt 59 passes through holes in the leg 58 of the

Z-bar and in the horizontal plate 53 for securely holding the top 14, the frame or rail 13, and the legs 12 in proper rigid position.

The adjusting strip 35 is provided with a plurality of notches or holes 60 for receiving shelf clips 61, Fig. 4. These shelf clips have an upper leg 62 and a lower leg 63 which fit into the slots 60 and hold the clips 61. A U-shaped member 64 is welded or otherwise fastened to the clips 61 and has one free end bent up and over at 65 to provide a channel 66 to receive the downturned legs 67 of the shelf 16. The outer leg 68 of the U-shaped member 64 rests against the side of the leg and helps to support the clips in rigid position.

If the sliding doors 17 and 18 are used, Fig. 2, a door guide 69 is provided, Fig. 7. This door guide is provided with three upstanding flanges 70 to provide spaces 71 in which the doors 17 and 18 slide. The member 69 will rest upon the shelf 16, and it is provided with a downwardly extending flange 72 which engages a groove 28 in the side members 23 of the frame or rail 11.

Stops 73 may be provided at opposite ends of the member 69 to limit the movement of the sliding doors. A second member 69 is mounted in one of the members 43 to receive the tops of the doors. This second member extends downwardly from the frame or rail 13 in the same manner as the lower member projects upwardly. These two members form a guide in which the doors 17 and 18 may slide. The second member, however, is exactly the same as the first member but it is not specifically shown. A bolt or screw 73', Fig. 2, may be inserted in the front after the doors are inserted to prevent them from being accidentally removed.

Instead of using the foot, as shown in Fig. 3, a foot having adjustable features, such as shown in Fig. 6, may be used. This foot has an outer shell 74 which is preferably made of cast iron and has a transverse reinforcing member 75 cast integral therewith. This reinforcing member is located substantially in the center of the foot and has a threaded member 76 rigidly fastened thereto. A hub member 77, forming a rest, threadedly engages the member 76. The rest 77 may be turned on the member 76 for translating the rest to effect adjustment of the foot. The member 74 has a plurality of ears 78 formed thereon which perform the same function as the ears 22 on the foot 10.

In Fig. 8 there is shown a support 80 to provide an inclosed base which may be substituted for the foot 10 or the foot shown in Fig. 6. The support 80 comprises a vertical portion 81 which has its upper end 82 extending up into the groove 25 in the bottom frame or rail 11. A bracket 83 having a horizontal plate 84 and upstanding legs 85 and 86 is secured to the support 80 in the

same manner in which the plate 38 and legs 39 and 40 are fastened to the legs or corner members 12. A bolt 87 connects the two plates and holds the parts together in the same manner in which the bolt 41 holds the foot 10 in fixed position. An inwardly turned portion 88 which is integral with the vertical portion 81 of the support provides a floor rest for the table. The inner end 89 of the turned portion 88 is bent upwardly, as clearly shown in Fig. 8, and prevents any sharp edges from contacting with the floor. The support 80 may be preferred to the feet shown in other figures and the table is constructed to accommodate either the support or the feet.

The invention provides a merchandising table which has the parts thereof entirely made of sheet metal, which interlock and interengage each other. The frames have mitered joints which are reinforced at the corners by angle iron members. The table is neat in appearance, is rigid and strong in construction, and can be quickly and readily knocked down or assembled. The bolts in the corners of the legs hold all the members in rigid position. Any number of shelves may be arranged inside of the table by means of the adjusting strip which supports the shelf clips.

Changes may be made in the form, construction, and arrangement of the parts without departing from the spirit of the invention or sacrificing any of its advantages, and the right is hereby reserved to make all such changes as fairly fall within the scope of the following claims.

The invention is hereby claimed as follows:

1. An article of the class described comprising a pair of frames, corner members interfitting with said frames, panels interfitting with said frames and with said corner members, a top interfitting with one of said frames, a foot interfitting with the other of said frames, tightening means cooperating with the top and the foot for holding said parts in rigid interlocked position.

2. A sheet metal table comprising a pair of sheet metal frames, sheet metal legs interfitting with said frames, panels interfitting with said legs and frames, a top interfitting with one of said frames, a foot interfitting with the other of said frames, door members arranged in said frames, and doors slidable in said members.

3. A sheet metal table comprising a pair of sheet metal frames, sheet metal legs interfitting with said frames, panels interfitting with said legs and frames, a top interfitting with one of said frames, a foot interfitting with the other of said frames, door members arranged in said frames, doors slidable in said members, and tightening means connected to said legs and engaging said top and

said foot for holding all of said parts in rigid interlocked position.

4. A merchandising table comprising corner members forming legs, reinforcing members arranged in the corners of said members, frames comprising a plurality of members having mitered corners and interfitting with said corner members, a top interfitting with one of said frames, a bottom interfitting with the other of said frames, a foot interfitting with said other frame, a pair of plates fastened to said reinforcing members, side panels interfitting with said frame and said corner members, a bolt engaging one of said plates and said top, and a bolt engaging the other of said plates and said foot for holding all of said members in position.

5. A merchandising table comprising corner members forming legs, reinforcing members arranged in the corners of said legs, frames comprising a plurality of members having mitered corners and interfitting engagement with said legs, a top interfitting with one of said frames, a bottom interfitting with the other of said frames, a foot interfitting with said other frame, a pair of plates fastened to said reinforcing member, side panels interfitting with said frames and said legs, a bolt passing through one of said plates and engaged with said top, a second bolt passing through the other of said plates and engaged with said foot for holding all of said members in position, an adjusting strip having holes therein and connected to said reinforcing members, clips removably supported in said holes, and a shelf adjustably supported by said clips.

6. A frame for a sheet metal table comprising a plurality of side members having mitered edges and channels formed therein, a corner reinforcing member received in the channels and protuberances struck out from said reinforcing member and engaging a part of said side members for frictionally holding said members to said reinforcing member.

7. A sheet metal table comprising a plurality of side members having mitered edges and inner and outer channels formed therein, a corner reinforcing member received in the inner channels, protuberances struck out from said reinforcing member and engaging a part of said side members for frictionally holding said members to said reinforcing member, corner members or legs having channels therein and engaging the outer channels in said side members, sides engaging the channels in said legs and the outer channels in the side members, and a top operatively connected to said sides.

8. A sheet metal table comprising a plurality of side members having mitered edges and inner and outer channels arranged therein and forming a frame, a reinforcing member received in the inner channels, protuber-

ances struck out from said reinforcing member and engaging a part of said side members for frictionally holding said members to said reinforcing member, a corner member or leg having channels therein engaging the outer channels in said side members, sides engaging the channels in said leg and the outer channels in said side members, a bottom operatively connected to said sides, a second frame mounted on the top of said leg and said sides, and a top interfitting with said upper frame.

9. A sheet metal table comprising a plurality of side members having mitered edges and a plurality of channels formed therein, a reinforcing member received in certain of said channels, protuberances struck out from said reinforcing member and engaging a part of said side members for frictionally holding said members to said reinforcing member, a corner member or leg having channels therein and engaging certain of the channels in said side members, panels engaging the channels in said leg and certain of said channels in said side members, a second plurality of side members mounted on the top of said legs and said panels, a top interfitting with said second plurality of side members, a foot, and flanges on said foot and having engagement with some of the channels in said first named side members.

10. A sheet metal table comprising corner members, a top operatively connected to said corner members, angular inwardly extending adjusting strips projecting from the insides of said corner members, said adjusting strips having holes therein, means including a clip engaging a pair of said holes, and a removably mounted shelf supported by said means.

11. A sheet metal table comprising corner members, a top and bottom connected to said corner members, a perforated adjusting strip extending angularly and inwardly from the inside of each of said corner members, a clip having legs engaging the perforations in said strip, a member having a channel and fastened to said clip, a shelf slidable in the channel in said member, and feet for said corner members.

12. An article of the class described comprising a frame, corner members interfitting with said frame, panels interfitting with said frame and said corner members, a top operatively connected to said panels, a foot interfitting with said frame, shelves adjustably and removably arranged below said top, door members arranged on said frame, doors slidable in said door members, and tightening means connecting a corner member, a foot and the top for holding said parts in rigid position.

In witness whereof, I have hereunto subscribed my name.

JAMES E. BALES.