Nov. 14, 1961 A. E. GARNER 3,008,788

CANISTER SET UNIT

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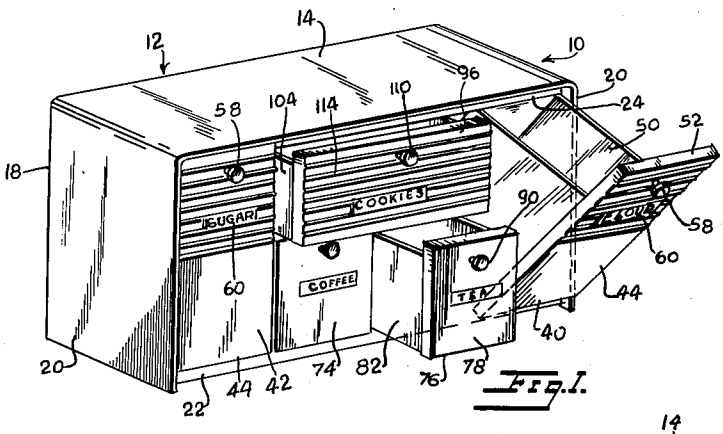


Fig. 1.

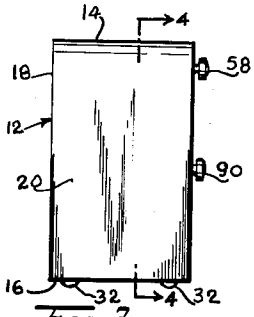


Fig. 3.

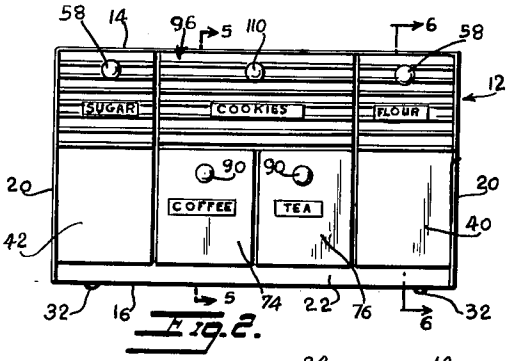


Fig. 2.

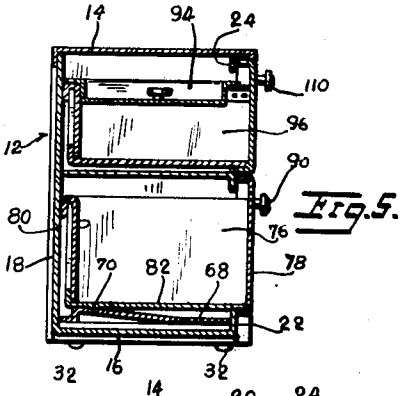


Fig. 5.

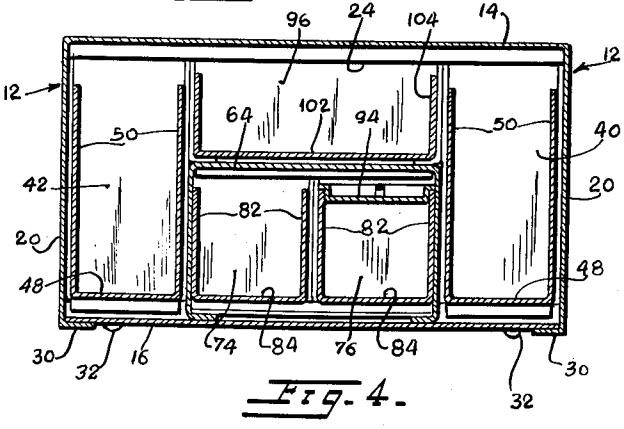


Fig. 4.

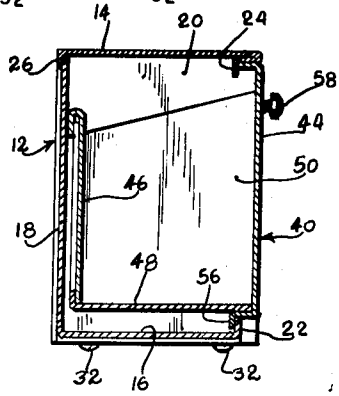


Fig. 6.

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CANISTER SET UNIT

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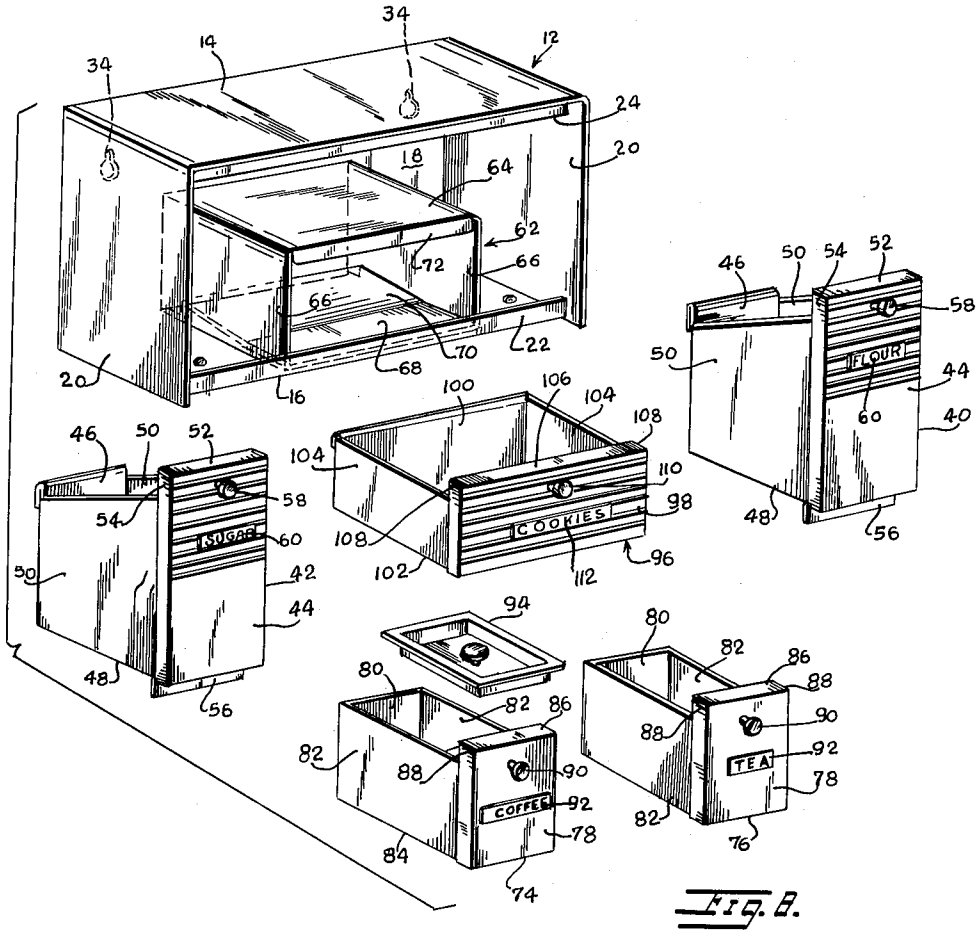


Fig. 8.

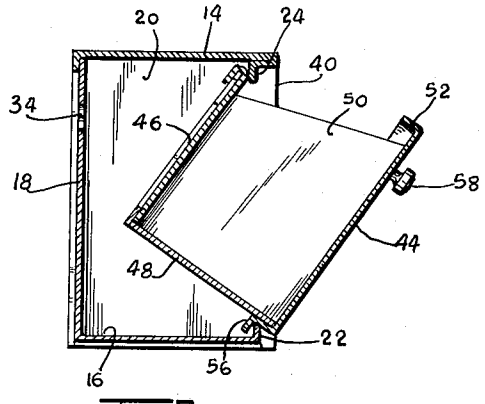


Fig. 7.

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United States Patent Office 3,008,788 Patented Nov. 14, 1961

3,008,788

CANISTER SET UNIT

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Filed Jan. 22, 1960, Ser. No. 4,145
1 Claim. (Cl. 312—309)

This invention relates to a canister set assembly.

A principal object of the present invention is to provide a canister set assembly wherein the canisters are slidably, pivotally and removably supported in a cabinet.

Another object of the invention is to provide a canister set assembly wherein the positions of the individual canisters in the cabinet are interchangeable.

A further object of the invention is to provide a canister set assembly that is compact in construction, simple and rugged in construction, and that can be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claim in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

FIG. 1 is a perspective view of a canister set assembly embodying my invention, several of the canisters being shown in open and partially open position.

FIG. 2 is a front elevational view thereof.

FIG. 3 is an end elevational view thereof.

FIG. 4 is a vertical sectional view taken on the line 4—4 of FIG. 3.

FIG. 5 is a vertical sectional view taken on the line 5—5 of FIG. 2.

FIG. 6 is a vertical sectional view taken on the line 6—6 of FIG. 2.

FIG. 7 is a view similar to FIG. 6 but showing the canister in open position.

FIG. 8 is a spread perspective view thereof.

Referring in detail to the drawings, in FIG. 1 a canister set assembly embodying my invention is shown and designated generally by the reference numeral **10**. The assembly **10** comprises an elongated rectangular-shaped hollow, box-like cabinet or housing **12** formed of sheet metal. The cabinet consists of a top wall **14**, a bottom wall **16**, a rear wall **18** and end walls **20**, **20**, the front of the cabinet being open. The rear and bottom walls are formed integrally, and the top wall is formed integrally with the end walls. The material of the bottom wall **16** along its front long edge is bent upwardly and then turned upon itself forming an upwardly extending flange **22**. Flange **22** is disposed inwardly of the outer ends of the top and end walls. The material of the top wall **14** along its long front edge is turned upon itself and then bent downwardly forming a downwardly extending flange **24**. Along its rear long edge, the top wall **14** is bent downwardly forming a flange **26** overlapping the top edge of the rear wall **18** and secured thereto by spot welding. Along its front long edge, each end wall is turned inwardly upon itself forming a reinforced edge. The bottom end edge of each end wall **20** is turned inwardly forming a flange **30** overlapping the adjacent end edge of the bottom wall **16** and secured thereto by spot welding.

At each corner, the material of the bottom wall **16** is pressed outwardly forming feet **32** for supporting the cabinet on a flat supporting surface. The rear wall **18** may be provided with keyhole openings **34** at the corners thereof for removably supporting the cabinet on nails or the like protruding from a vertical supporting surface.

In accordance with the invention, a plurality of metal canisters are removably mounted inside the cabinet or

housing **12**. Some of the canisters extend from the bottom wall to the top wall and others extend only part way. All of the canisters extend from the front to the rear of the cabinet. Furthermore, all of the canisters are removably mounted in the cabinet. The canisters are of various widths and heights. For example, there are two long canisters, such as the canisters **40** and **42**. These canisters are normally swingably mounted in the cabinet, but may be slidably inserted into and slidably removed from the cabinet. Each of the canisters **40** and **42** comprises a front wall **44**, a rear wall **46**, a bottom wall **48** and side walls **50**. Each canister is open at the top. Front wall **44** extends above the other walls and is formed with an inwardly extending top flange **52** and side flanges **54** above the side walls. At its bottom end, the front wall is formed with a downwardly extending flange **56** inwardly of the outer surface thereof. A knob **58** serving as a handle is mounted on the outer surface of the front wall adjacent the top thereof. Indicia **60** may be placed on the outer surface of the canister in any suitable manner to identify the contents thereof. The upper half of the front wall **44** may be corrugated to reinforce the wall and to enhance the appearance thereof.

An adapter frame **62** is slidably mounted in the cabinet and positioned in the bottom thereof. The frame **62** comprises a rectangular-shaped metal body having a top wall **64**, side walls **66**, **66** and a bottom wall **68**. The frame is open front and back. The rear portion of the bottom wall **68** slants upwardly as indicated at **70** in order to bring the rear of the bottom wall on a level with the top edge of the front flange **22** on the bottom wall **16** of the cabinet. The top wall **64** of the frame is formed with a downwardly extending flange **72** along the front edge thereof. The top wall **64** of the frame serves as a shelf. The frame **62** is only half the height of the cabinet and extends from the front to the rear of the cabinet.

A pair of short low canisters **74** and **76** are shown, extending upwardly substantially half the height of the cabinet. These canisters **74** and **76** each consist of a front wall **78**, a rear wall **80**, side walls **82**, **82** and a bottom wall **84**. The front wall extends slightly above the other walls and is formed with an inwardly extending flange **86** at its top and flanges **88**, **88** at its sides adjacent the top. A knob **90** is secured to the front wall on its outer surface adjacent the top thereof and serves as a handle. Indicia **92** is suitably placed on the outer surface of the front wall for identifying the contents of the canister. These canisters **74** and **76** may be provided with a flanged cover **94** for sealing the canister, a cover being shown for the canister **74** only.

Another canister **96**, wider than the other canisters, is shown and occupies a portion of the space in the cabinet. Canister **96** is equal in width to the width of the two canisters **74** and **76** and is of equal height so that canister **96** can be used interchangeably with the canisters **74** and **76** in arranging the canisters in the cabinet. The canister **96** has a front wall **98**, a rear wall **100**, a bottom wall **102** and side walls **104**, **104** and is open at the top. The front wall is formed with an inwardly extending flange **106** and side flanges **108**, **108** adjacent thereto. A knob **110** is mounted on the outside of the front wall adjacent the top thereof to serve as a handle. Indicia **112** is suitably placed on the outer surface of the front wall for identifying the contents of the canister. The front wall may be formed with spaced corrugations **114** for reinforcing the wall and enhancing the appearance thereof. The canisters **74** and **76** may be slidably mounted on the top wall **64** of the adapter frame **62** and the canister **96** mounted inside the frame. Selectively, the canisters **74** and **76** may be mounted inside the adapter frame **62** and the canister **96** mounted

on the top wall of the adapter frame. Furthermore, the adapter frame **62** may be slid sidewise to any selected portion of the space inside the cabinet and the other canisters may be rearranged accordingly to fill up the space inside the cabinet, as will be understood. When the long canisters **40** and **42** are in position, the bottom flanges **56** thereof interlock with the front flange **22** on the bottom wall of the cabinet. To remove a long canister, the front of the canister is lifted up to permit the flange **56** to clear the front flange **22** on the bottom wall and the canister is then slid outwardly of the cabinet.

The slanting rear portion **70** of the bottom wall **68** of the adapter frame **62** holds, whichever canister is mounted inside the frame, upon a level keel with the top edge of the front flange **22** of the bottom wall **16** so that the canisters are always on a level keel.

In use, the canisters are filled with the designated products and mounted in the cabinet **12**. In mounting the long canisters **40** and **42**, the front flanges **56** thereof are lifted over the front flange **22** of the cabinet. The canisters **74** and **76**, for example, are inserted into the adapter frame **62** side by side, and the canister **96** is slid over the top of the adapter frame and is supported thereby. The adapter frame **62** with its supported canisters may, however, be positioned at either end of the cabinet and the other canisters placed side by side at the other end of the cabinet.

The long canisters **40** and **42** may be tilted as shown in FIGS. 1 and 7 in order to open the top thereof to get at the contents. When in this tilted condition, the front flange **56** on the front wall **44** interlocks with the front flange **22** and the rear wall of the canister interlocks with the front top flange **24**, as shown in FIG. 7, so that the canister is held against further displacement.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claim.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

A canister set assembly comprising a hollow box-like cabinet having top, bottom, rear and side walls and being open at the front, a downwardly extending flange along the front of the top wall, an upwardly extending flange along the front of the bottom wall, a hollow adapter frame slidably mounted in the space in said cabinet, said frame having a solid top wall, bottom and side walls and being open at the front and rear, a plurality of canisters movably mounted in said adapter frame, on the solid top wall of said frame and at the sides thereof, in the cabinet, said canisters each having a front wall, a rear wall, a bottom wall and side walls and being open at the top with a handle on the front wall, a downwardly extending flange on the bottom end of each front wall of the side canisters, the canisters at the sides of the adapter frame in the cabinet being tiltably mounted, the bottom flanges and rear walls of said canisters interlocking with the upwardly extending flange and the downwardly extending flange, respectively, for holding the tiltable canisters in tilted condition, the bottom wall of the adapter frame having a rear raised portion extending to the plane of the top edge of the upwardly extending front flange, on the bottom wall of the cabinet, the canisters in said adapter frame being raised at their inner ends to a level keel by means of said raised portion, the rear wall of the cabinet having keyhole openings for receiving fastening elements projecting from a vertical supporting surface whereby the cabinet may be removably supported on said surface.

References Cited in the file of this patent

UNITED STATES PATENTS

362,544	Scott	May 10, 1887
1,361,562	Bekkering	Dec. 7, 1920
2,535,379	White	Dec. 26, 1950
2,784,047	Wallance	Mar. 5, 1957
2,825,617	Morgan	Mar. 4, 1958