March 7, 1933. W. M. HANSON 1,900,338

DRAWER CONSTRUCTION

Filed Sept. 25, 1931

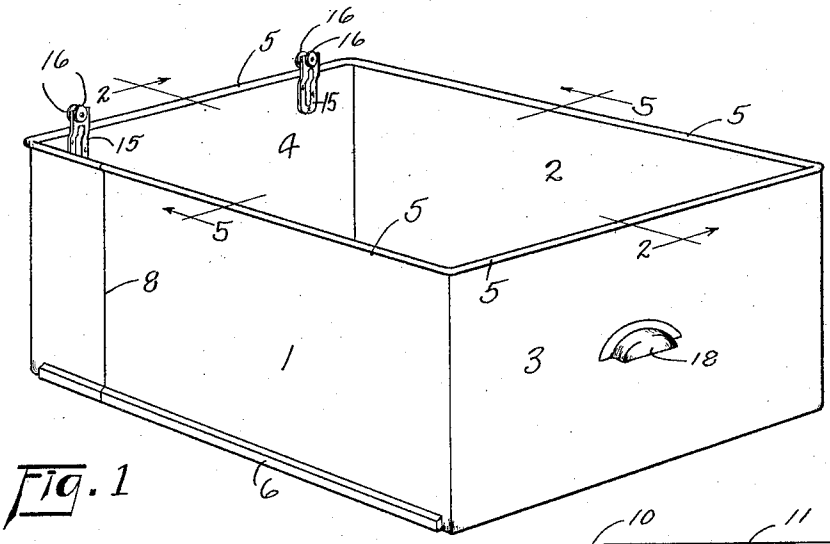


Fig. 1

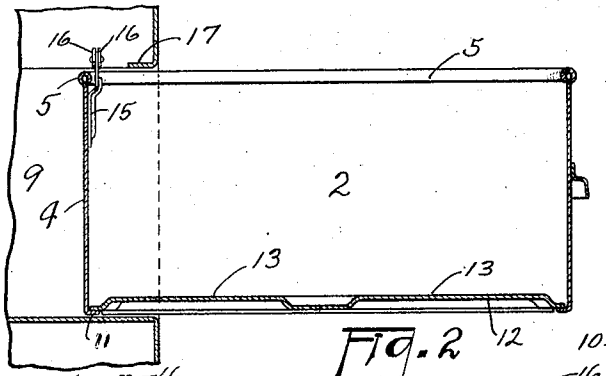


Fig. 2

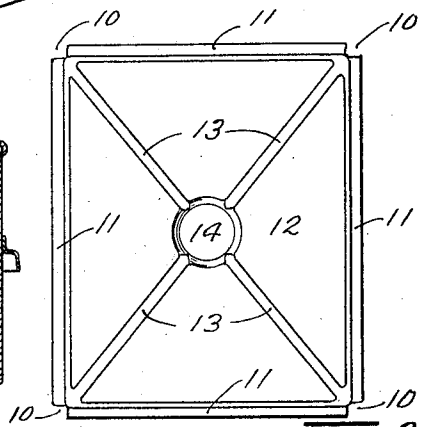


Fig. 3

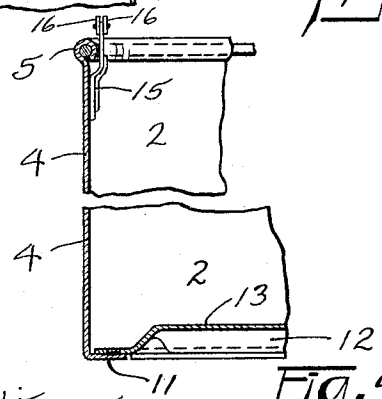


Fig. 4

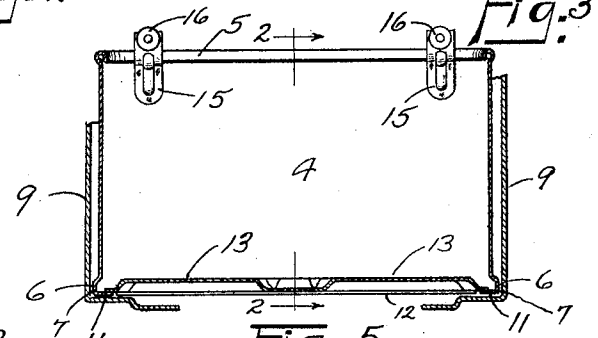


Fig. 5

Witness:
Geo. L. Chapel

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Patented Mar. 7, 1933 1,900,338

UNITED STATES PATENT OFFICE

WALTER M. HANSON, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO AMERICAN SEATING COMPANY, OF GRAND RAPIDS, MICHIGAN, A CORPORATION OF NEW JERSEY

DRAWER CONSTRUCTION

Application filed September 25, 1931. Serial No. 565,100.

The present invention relates to drawer constructions and more particularly to sheet metal drawer constructions.

The main object of the invention is to provide a sheet metal drawer which is light in weight, rigid in construction, convenient to assemble and economical to manufacture.

An illustrative embodiment of the invention is shown in the accompanying drawing, wherein:—

Figure 1 is a perspective plan view of the improved form of drawer;

Figure 2 is a sectional view thereof taken on line 2—2 of Figures 1 and 5;

Figure 3 is a bottom plan view of the drawer;

Figure 4 is an enlarged fragmentary sectional view of the corner construction; and

Figure 5 is a sectional view of the drawer taken on line 5—5 of Figure 1.

The drawer construction herein shown and described is formed from but two pieces of stamped sheet metal which are welded together to form the assembled drawer. The metal drawer thus formed is adapted to slidingly fit within a sheet metal cabinet as will hereinafter be described.

Referring to the drawings in which like parts are designated by the same numerals in the several views, the drawer is formed from a single elongated sheet of stamped sheet metal to form the sides 1, 2, ends 3, 4 with the lap joint 8.

A beaded upper rim 5 which is drawn and turned over a wire 20 provides for neat appearance and rigidity of construction and embossed outwardly projecting ribs 6 on each longitudinal bottom edge of the drawer sides 1, 2 are adapted to slidingly fit within the drawer guides 7 of the sheet metal cabinet 9. The four lower corners 10 are blanked out whereby the four lower edges of the sides 1, 2 and ends 3, 4 may be bent inwardly to form flanges 11 to which the drawer bottom 12 is secured as by spot welding.

This drawer bottom 12 is likewise formed from a single piece of sheet metal and is embossed to form diagonally disposed reinforcing or strengthening ribs 13 whose inner ends converge centrally of the drawer bottom at a centrally disposed embossed dished portion 14.

Secured to the upper rear end of the drawer are a pair of spaced vertically extending offset stops 15 which project above the top of the drawer and each stop is provided with a pair of oppositely disposed cushion washers 16 which prevent complete withdrawal of the drawer from its cabinet by contacting the flanged edge 17 thereof when the drawer is pulled to its open position. It is to be understood that the rear end of the metal cabinet has a forwardly projecting portion similar to the flanged edge 17 which the cushion washers 16 contact when the drawer is closed. A stamped metal conventional handle 18 is secured to the front of the drawer by spot welding.

It will thus be seen that the stamped sheet metal drawer construction herein shown and described is formed and assembled from but two pieces of sheet metal which are welded together and that the drawer thus formed is light in weight, rigid in construction, convenient to assemble and economical to manufacture.

What I claim is:

1. In a sheet metal cabinet having oppositely disposed parallel drawer guides, a sheet metal drawer therefor comprising sides and ends of a single strip of sheet metal, the lower corners of which are blanked out, outwardly pressed ribs adjacent each longitudinal bottom edge of each of the sides above the said blanked out portions adapted to slidingly fit within said drawer guides of the cabinet, said ribs terminating short of the drawer ends, the blanked out portion below said ribs being bent inwardly to form a flange which substantially surrounds the said sides and ends, and a sheet metal bottom supported on and secured to the said flange.

2. A sheet metal drawer comprising sides and ends of a single strip of metal, the lower corners of which are blanked out, outwardly pressed ribs adjacent each longitudinal bottom edge of each of the sides above the said blanked out portions, said ribs terminating short of the drawer ends and having the ends thereof closed by material pressed from the

side walls, the blanked out portions below said ribs being bent inwardly to form a flange which substantially surrounds the said sides and ends, and a sheet metal bottom supported on and welded to the said flange.

In testimony whereof I have hereunto set my hand at Grand Rapids, Michigan, this 22nd day of September, 1931.

WALTER M. HANSON.