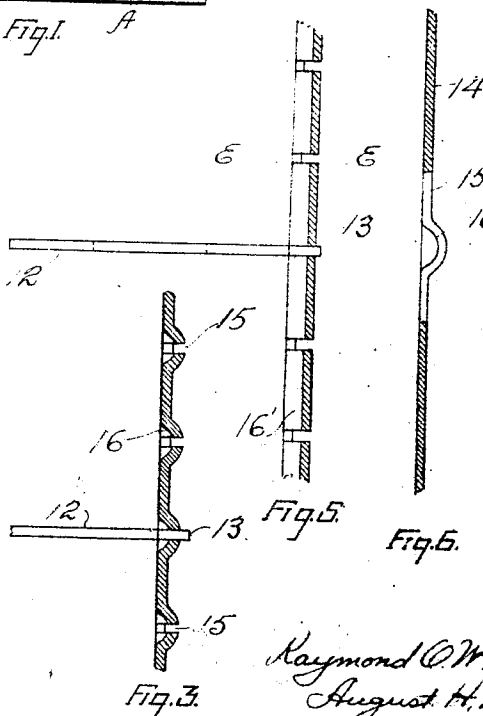
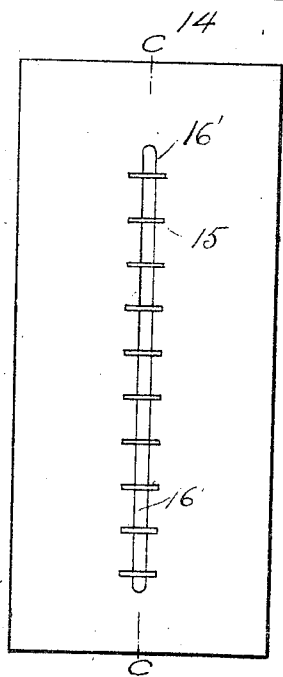
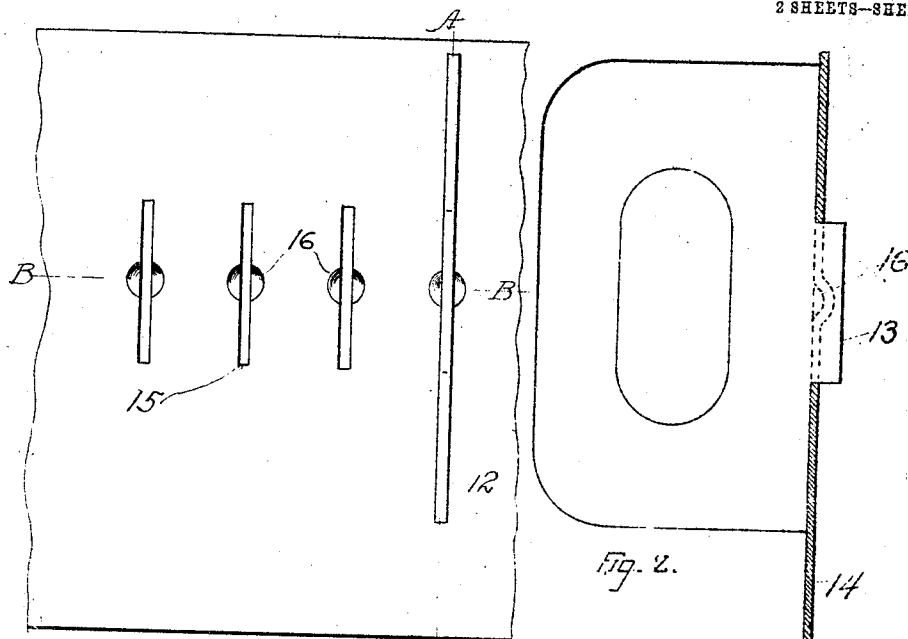


R. O. WHEELER & A. H. HILCKMAN.
MOVABLE PARTITION OR BOOK SUPPORT.
APPLICATION FILED MAR. 8, 1909.

931.362.

Patented Aug. 17, 1909.

2 SHEETS—SHEET 1.



Witnesses
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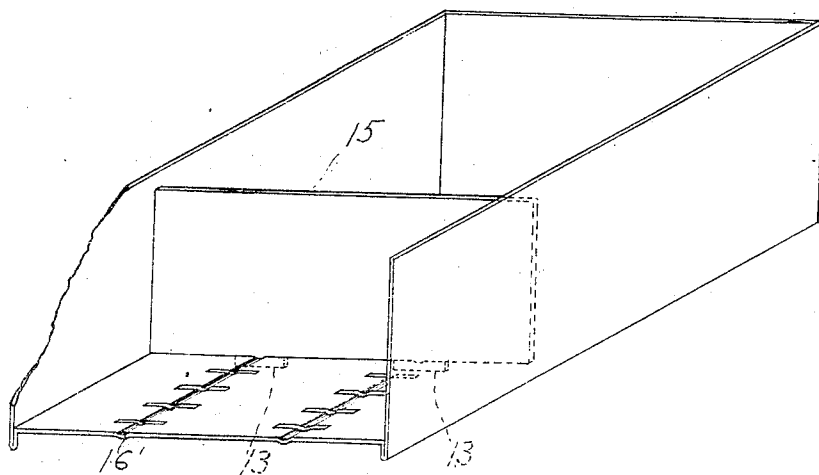


Fig. 7.

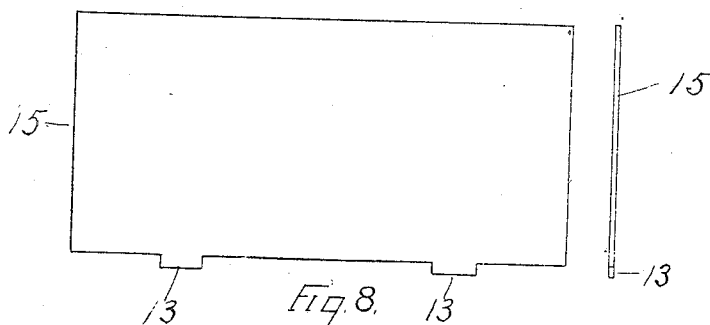


Fig. 8.

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UNITED STATES PATENT OFFICE.

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MOVABLE PARTITION OR BOOK-SUPPORT.

No. 931,362.

Specification of Letters Patent.

Patented Aug. 17, 1909.

Application filed March 8, 1909. Serial No. 492,020.

To all whom it may concern:

Be it known that we RAYMOND O. WHEELER and AUGUST H. HILCKMAN, citizens of the United States of America, and residents of Cincinnati, county of Hamilton, State of Ohio, have invented certain new and useful Improvements in Movable Partitions or Book-supports, of which the following is a specification.

This invention relates to shelves having adjustable or movable partitions, and more particularly to adjustable partitions for metallic furniture.

The object of this invention is the production of a metallic partition which is simple in construction and which may be secured in place on a flat sheet metal support, as for instance, a sheet metal book shelf, or the sheet metal bottom of a drawer. These and other objects we attain in the apparatus herein described, and illustrated in the drawings accompanying this application and forming a part thereof.

In the drawings, Figure 1 is a fragmental plan view of a shelf shown in connection with a book support, and it illustrates an embodiment of our invention. Fig. 2 is a section along the line A—A of Fig. 1. Fig. 3 is a section along the line B—B of Fig. 1. Fig. 4 is a plan view of a shelf, and illustrates a modification of our invention (Fig. 4 is shown in reduced scale). Fig. 5 is a section along line C—C of Fig. 4. Fig. 6 is a section along the line E—E of Fig. 5. Fig. 7 is a perspective view of a drawer equipped with our invention, a portion of the drawer having been broken away for convenience of illustration. Fig. 8 is a side view of a drawer partition provided with two attaching lugs.

Referring to the parts: the support piece or partition 12 and lug 13 are cut or stamped from a flat piece of sheet metal. Lug 13 is adapted to project into and through a mounting slot formed in the support sheet or plate and to thereby secure the piece 12 in the vertical position and to the support. Inasmuch as these pieces or partitions 12 are adapted to be utilized in connection with furniture constructed of sheet metal, it is necessary to provide means in addition to the slot, for holding the pieces rigidly in the vertical position. It is readily apparent that the sheet metal ordinarily utilized in the construction of metallic furniture would

not present sufficient surface at the edges of the slots to hold the partitions rigidly in the vertical position. We overcome this difficulty by providing a depression in the sheets of metal on each side of the slot. This depression is preferably of such width that the ends of the slot are cut in undistorted metal. Each edge of the slot is then provided with a convolution, and the edges of the slot are capable of maintaining the piece 12 in the vertical position.

Referring to Figs. 1, 2, and 3: a support shelf or base 14 is provided with a row of transversely extending slots 15 which are adapted to receive the lug 13 of the piece 12. A depression 16 is formed in the sheet metal 14 on each side of each slot 15 and as described, distorts the edges of each slot so as to form a convolution. In Figs. 1, 2 and 3, we have illustrated the support shelf as provided with slots and circular depressions. The depression, however, may be made of any convenient shape.

In Figs. 4, 5 and 6, we have illustrated a shelf or base which is provided with a groove or depression 16' which extends longitudinally of the shelf and intercepts each slot of the aligned series at right angles. This arrangement accomplishes the same purpose as the construction shown in Fig. 1.

When the support piece or partition 12 is in place on the sheet metal support, its base rests upon the surface of the shelf, and the lug 13 projects through one of the slots 15. The piece is prevented from falling in either direction by the undistorted portion of the edge of the slot on one side and the depression or distorted portion of the edge on the other side. In other words, the depressed portion of one edge of the supporting slot, since it is considerably lower than the undistorted portion of the other edge, is effective in preventing the piece 12 from turning around the undistorted portion of the opposite edge. This construction resists a tendency of the piece 12 to fall in either direction, and maintains it in a vertical position relative to the support shelf or base.

In Fig. 7 we have shown a drawer, built up of sheet metal, and provided with an adjustable or movable partition 15. The partition 15 is provided with two attaching lugs 13 and the bottom or support shelf of the drawer is provided with two rows of transversely extending slots which are adapt-

ed to receive the attaching lugs 13. A longitudinally extending groove 16' intercepts the slots of each series. This groove is pressed into the metal comprising the bottom of the drawer and is similar to the groove shown in Fig. 4.

The position of the depression relative to the slots may be varied. It may be desirable to distort the edges of each slot near the center of the slot, as shown, or in some cases it may be desirable to distort the edges near the ends of the slots and to leave the intermediate portion of their edges undistorted. Our invention in this respect is generic.

The support piece 12 is so simple in construction that it and its attaching lug 13 can be cut from a single piece of sheet metal. It is thin and flat, and, consequently, does not occupy much space. The method of mounting the support piece partition on the shelf or base, is extremely simple, as it merely consists in inserting the attaching lug 13 into one of the mounting slots.

In accordance with the patent statutes, we have illustrated and described what we now consider to be a preferred embodiment of our invention, but we desire it to be understood that we do not limit ourselves to the apparatus shown, and that various changes and modifications may be made without departing from the spirit and scope of our invention.

What we claim is:

1. A sheet metal support shelf or base provided with a slot and a depression so located as to distort each edge of the slot.

2. A sheet metal support shelf or base provided with a slot and a depression so located as to distort the edges of the slot, in combination with a sheet metal support piece provided with a lug adapted to engage said slot and to hold said piece vertical relative to said shelf.

3. A sheet metal support shelf or base provided with a series of transversely extending slots, the edges of each slot being distorted, a removable partition or support piece provided with an attaching lug adapted to engage any one of the slots of said series.

4. A sheet metal support shelf or base provided with an aligned series of transversely extending slots, a groove formed in the metal of said shelf or base; extending longitudinally of said series, and intersecting each of the slots of the series, in combination with a removable partition or support piece provided with an integrally formed attaching lug which is adapted to engage one of said slots and to hold said piece in a vertical position relative to said shelf or base.

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