A. E. McCOMBE.

PLATE RACK.

APPLICATION FILED DEC. 10, 1907.

905,737. Patented Dec. 1, 1908.

Fig. 1.

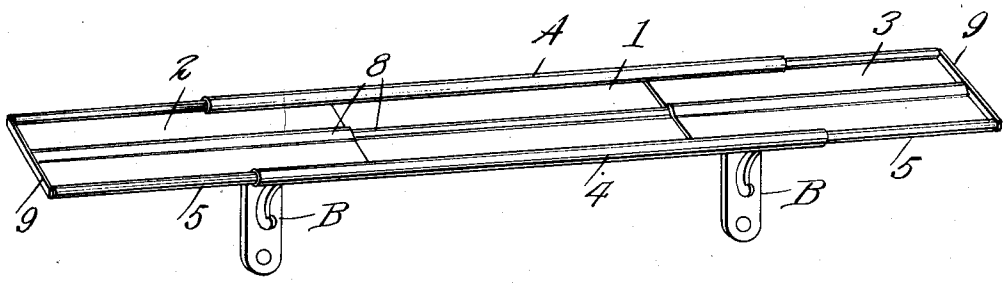


Fig. 2.

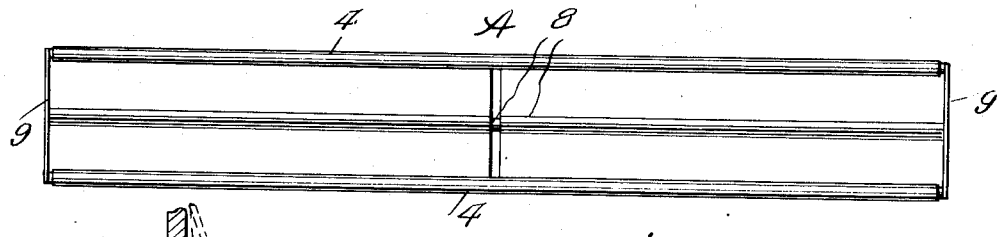


Fig. 3.

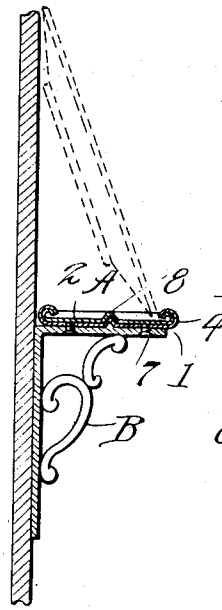


Fig. 4.

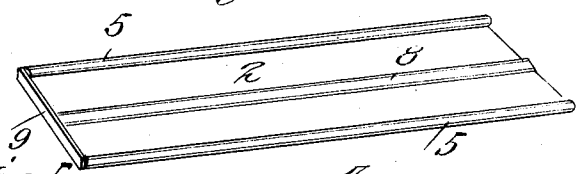
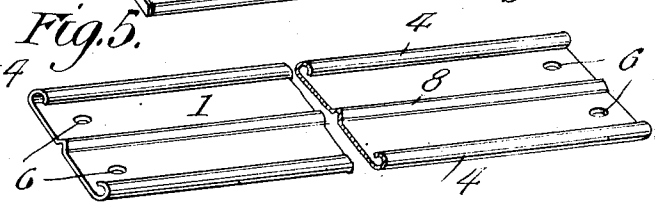


Fig. 5.



Witnesses

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PLATE-RACK.

No. 905,737. Specification of Letters Patent. Patented Dec. 1, 1908.

Application filed December 10, 1907. Serial No. 405,950.

To all whom it may concern:

Be it known that I, ANNA E. McCOMBE, a citizen of the United States, residing at Waverly, in the county of Baltimore and State of Maryland, have invented new and useful Improvements in Plate-Racks, of which the following is a specification.

This invention relates to plate racks or shelves, and more particularly to that class in which the shelf or rack can be extended or contracted to suit requirements.

The invention has for one of its objects to improve and simplify the construction of devices of this character so as to be comparatively easy and inexpensive to manufacture, of durable and substantial design, and composed of few parts.

A further object of the invention is the provision of a metallic extensible plate rack having slidably connected sections, one of which is adapted to be rigidly secured to a wall or other support, while the other section or sections can be moved inwardly or outwardly to change the length of the rack.

Another object is to construct the shelf or rack of sheet metal, the parts of which are provided with telescopic rolls along their edges for slidably connecting the parts, the rolls forming ledges to engage the plates so as to prevent displacement of the latter, the rack being mounted on brackets or other supports.

With these objects in view and others, as will appear as the description proceeds, the invention comprises the various novel features of construction and arrangement of parts which will be more fully described hereinafter and set forth with particularity in the claims appended hereto.

In the accompanying drawing, which illustrates one of the embodiments of the invention, Figure 1 is a perspective view of the plate rack or shelf. Fig. 2 is a plan view thereof. Fig. 3 is a transverse section showing the application of the invention. Fig. 4 is a perspective view of one of the end or extensible sections. Fig. 5 is a perspective view of the central or fixed section with an intermediate portion broken away.

Similar reference characters are employed to designate corresponding parts throughout the several views.

Referring to the drawing, A designates generally the rack or shelf composed of sections 1, 2 and 3, the rack being mounted on ordinary brackets B. The sections of the rack are preferably of sheet metal, nickel-plated or enameled in any suitable color and the sections are rectangular pieces or strips having their long edges formed into rolls or ribs, the rolls 4 of the central section being larger than the rolls 5 of the end sections. The end sections, in the present instance are each about half the length of the central section so that they will meet at the middle of the latter when the shelf is fully contracted as shown in Fig. 2. The section 1, as shown in Fig. 5, has apertures 6 adjacent its ends for receiving screws 7 or other fastenings for attaching the said section to the brackets B, as shown in Fig. 3, the screws terminating flush with the upper surface of the section 1 so that the screws will not interfere with the free movement of the end sections. The section 1 can be applied to the bracket with either roll 4 to the front, or in other words, the middle section is reversible. The rolls 4 and 5 serve to reinforce or stiffen the sections so as to support the weight of the objects placed on the shelf and the front rolls constitute ledges behind which the plates are engaged, as shown in Fig. 3, thereby preventing the plates from sliding off. The sections may be provided with one or more longitudinal ribs 8 serving also as ledges for holding the plates, and at the same time stiffening the sections. On the outer ends of the sections 3 are end pieces 9 for preventing the plates from rolling off the extremities of the rack.

A plate rack or shelf constructed in this manner is of simple and durable design and neat and attractive in appearance. The shelf can be used with the sections contracted as shown in Fig. 2, or with the sections extended as shown in Fig. 1, when a longer rack is preferred.

From the foregoing description, taken in connection with the accompanying drawings, the advantages of the construction and of the method of operation will be readily apparent to those skilled in the art to which the invention appertains, and while I have described the principle of operation of the invention, together with the apparatus which I now consider to be the best embodiment thereof, I desire to have it understood that the apparatus shown is merely illustrative, and that such changes may be made when desired as are within the scope of the claims.

Having thus described the invention, what I claim is:—

1. A rack comprising three sections each consisting of a piece of sheet metal having its longitudinal edges bent upwardly and inwardly to form open rolls or beads and provided with a longitudinal rib intermediate the beads, two of the sections being slidably mounted on the other relatively fixed section and having their beads telescoping in those of the latter, and wall brackets to which the fixed section is rigidly secured, said ribs and beads projecting upwardly from the top surface of the rack to form ledges to retain objects on the latter.

2. A rack consisting of a fixed central section having its edges bent upwardly and inwardly to form beads and provided with a central longitudinally-extending rib pressed upwardly between the beads, end extensible sections having opposite edges formed into beads telescoping in those of the central section and provided with upwardly-pressed ribs fitting over the ribs of the central section, the end sections being each approximately half the length of the central section, brackets, fastenings permitting the central section to be reversely attached to the brackets, and end pieces on the outer extremities of the end sections.

In testimony whereof I affix my signature in presence of two witnesses.

ANNA E. McCOMBE.

Witnesses:
F. L. Mortimer, Jr.,
Annie E. Mortimer.