

T. W. HOLLANDER.
CORNER SHELF.
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975,619.

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Fig. 1.

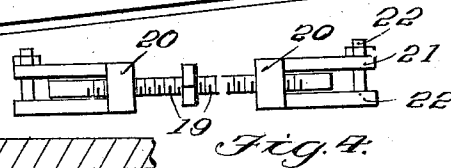
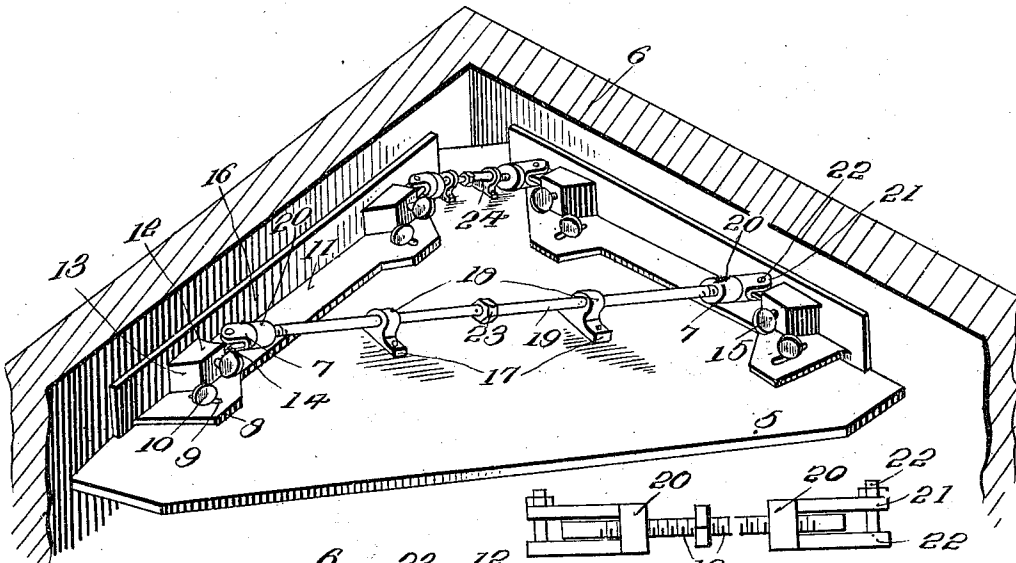


Fig. 4.

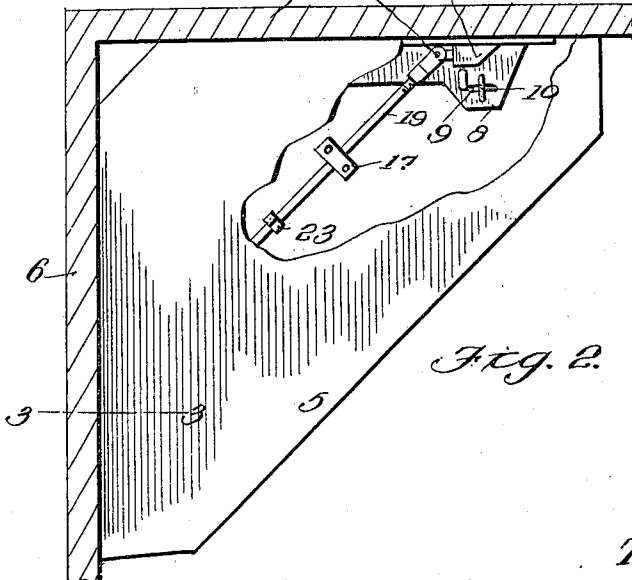


Fig. 2.

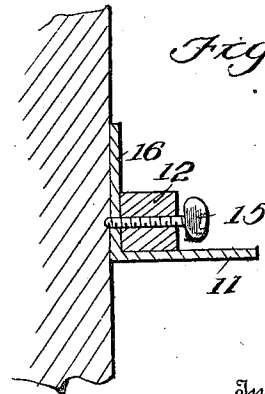


Fig. 3.

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UNITED STATES PATENT OFFICE.

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CORNER-SHELF.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THERON W. HOLLANDER, citizen of the United States, residing at Fairfield, in the county of Jefferson and State of Iowa, have invented certain new and useful Improvements in Corner-Shelves, of which the following is a specification.

This invention relates to corner shelves and more particularly to a novel form of bracket for supporting the same.

The object of the invention is to provide a corner shelf of simple and durable construction, capable of being quickly attached to a wall or other support without the employment of nails and similar fastening devices.

A further object is to provide a corner shelf having clamping members slidably mounted on the bottom thereof and connected by adjustable tie rods so that by rotating the latter, the clamping members may be actuated to grip the wall and thus prevent accidental displacement of said shelf.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency, as well as to reduce the cost of manufacture.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

For a full understanding of the invention and the merits thereof, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of a corner shelf constructed in accordance with my invention, looking at the bottom thereof; Fig. 2 is a top plan view, a portion of the shelf being broken away to disclose the clamping members. Fig. 3 is a transverse sectional view taken on the line 3—3 of Fig. 2; Fig. 4 is a plan view partly in section, of one of the connecting rods.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The device comprises a supporting shelf 5 preferably triangular in shape, as shown,

and adapted to fit between the side walls 6 of a room or other inclosure.

Slidably mounted on the bottom of the shelf 5 are clamping members 7, preferably formed of angle iron and having their opposite ends provided with laterally extending ears 8 having transverse slots 9 formed therein for the reception of screws or similar fastening devices 10.

Secured to the horizontal flange 11 of each clamping member 7 are spaced blocks 12 having their outer ends inclined or beveled at 13 and their inner ends reduced to form terminal tongues 14. Each block 12 is provided with a transverse opening in which is threaded a clamping screw 15, which latter also extends through an opening in the vertical flange 16 of the adjacent clamping member for engagement with the wall 6.

Secured to the bottom of the shelf 5 are spaced plates 17 having depending eyes 18 which form guides for a connecting rod 19, the opposite ends of which are threaded, as shown. Mounted on the threaded ends of the connecting rod 19 are collars 20, the ends of which are bifurcated to form spaced ears 21 adapted to embrace the tongues 14 of the blocks 12, said tongues being pivotally connected with the ears 21 by pins or bolts 22. The connecting rod 19 is provided with a square portion 23 so as to permit the same to be readily grasped with a wrench or other suitable tool, and said rod rotated to force the clamping members 7 into engagement with the wall.

The blocks 12 at the inner end of the shelf are connected by a rod 24, similar in construction to the connecting rod 19.

Thus it will be seen that by positioning the shelf 5 in the corner of a room and rotating the rods 19 and 24 the clamping members 7 will be pressed outwardly against the inner face of the wall, the terminals of the screws 15 being forced into the plaster, thus to securely hold the shelf against accidental displacement.

In order to remove the shelf, the connecting rods 19 and 24 are rotated in the opposite direction which retracts the clamping members 7 so as to allow the shelf to be taken down. The connecting rods 19 and 24 form in effect turn buckles for actuating the clamping members, while the pin and

slot connection between the clamping members and the shelf permit sliding movement of one relatively to the other.

Having thus described the invention, what is claimed as new is:

1. The combination with a shelf, of clamping members, each having a pin and slot connection with the bottom of the shelf, blocks secured to the clamping members and provided with terminal tongues, fastening devices extending through the blocks and adjacent clamping members for engagement with a support, and turn buckles forming a connection between the tongues of the blocks for forcing the clamping members outwardly into engagement with said support.

2. The combination with a shelf, of angularly disposed clamping members slidably mounted on the bottom of the shelf and each provided with spaced inwardly extending ears having slots formed therein, fastening devices extending through the slots in the ears for engagement with the shelf, spaced blocks mounted on each clamping member, screws extending through the blocks and ad-

jacent clamping member for engagement with a support, and turn buckles connecting the blocks on said clamping members.

3. The combination with a shelf, of clamping members of angular cross sectional formation slidably mounted on the bottom of the shelf, spaced blocks secured to each clamping member and provided with terminal tongues, screws extending through the blocks and adjacent clamping member for engagement with a support, eyes secured to the bottom of the shelf, rods mounted for rotation in the eyes and having their opposite ends threaded, collars engaging the threaded ends of the rods and provided with spaced ears embracing the adjacent tongues, and pins extending through the ears and tongues and forming a pivotal connection between the same.

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

THERON W. HOLLANDER [L. s.]

Witnesses:

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