July 11, 1961 H. L. SHIVEK 2,991,888

STOREROOM SHELVING

Filed June 9, 1960 2 Sheets-Sheet 1

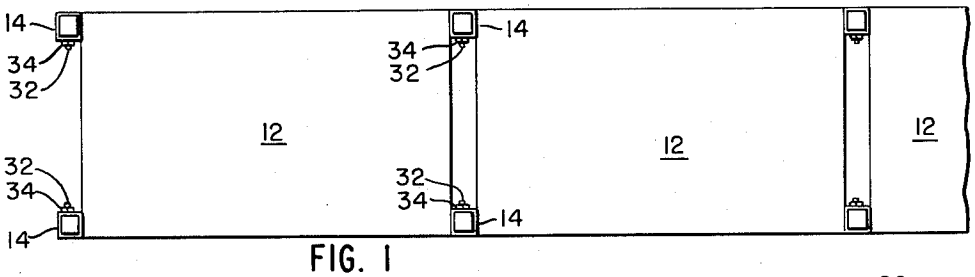
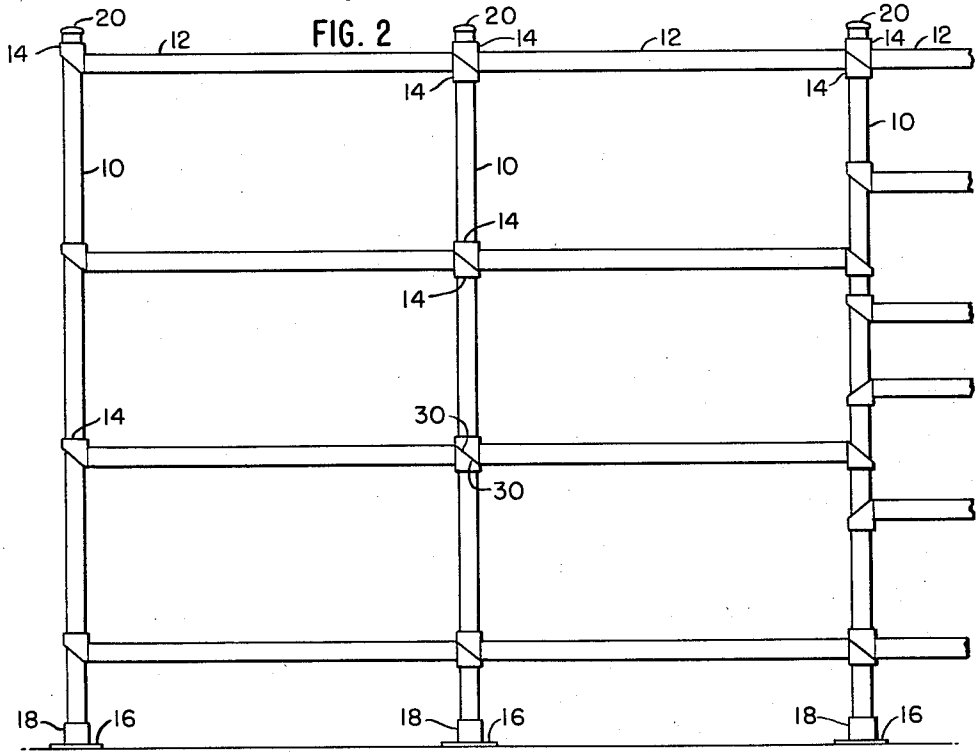


FIG. 1

FIG. 2



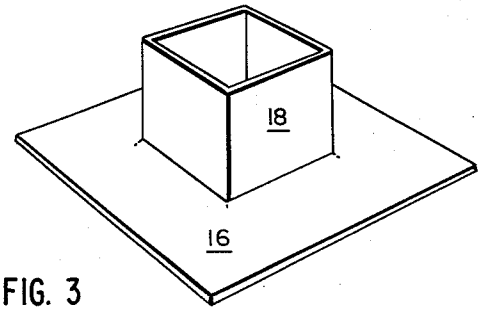


FIG. 3

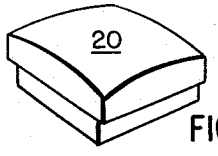


FIG. 4

INVENTOR.
HERBERT L. SHIVEK

BY
KENWAY, JENNEY, WITTER & HILDRETH

ATTORNEYS

July 11, 1961 H. L. SHIVEK 2,991,888

STOREROOM SHELVING

Filed June 9, 1960 2 Sheets-Sheet 2

FIG. 5

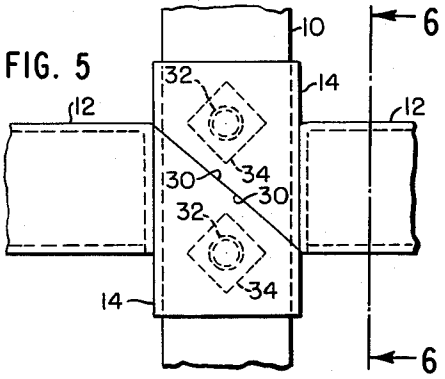


FIG. 6

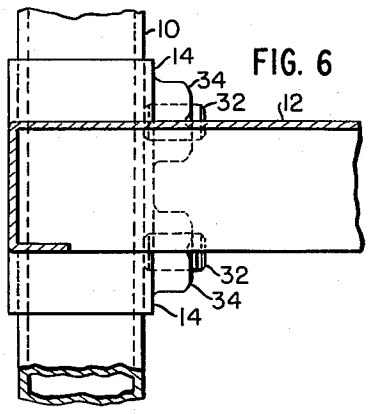
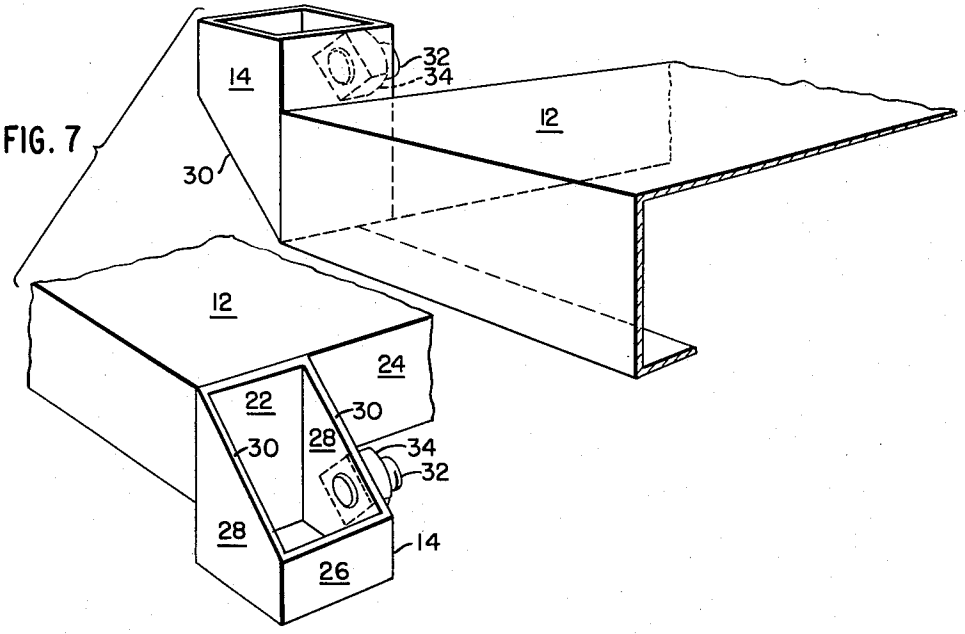


FIG. 7



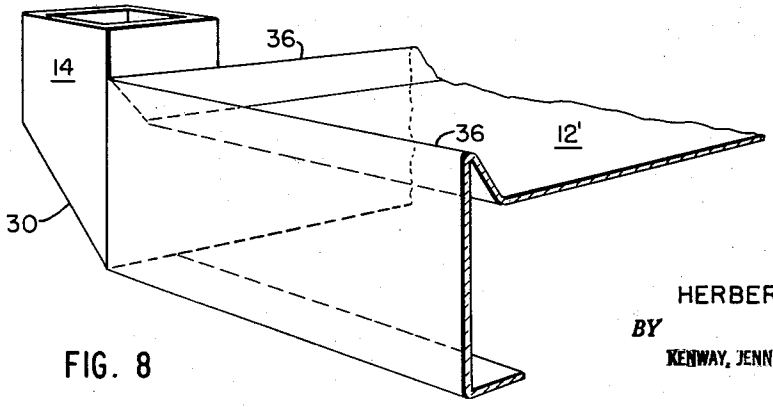


FIG. 8

INVENTOR.
HERBERT L. SHIVEK

BY
KENWAY, JENNEY, WITTER & HILDRETH

ATTORNEYS

United States Patent Office 2,991,888 Patented July 11, 1961

2,991,888

STOREROOM SHELVING

Herbert L. Shivek, Brookline, Mass., assignor to Eastern Steel Rack Company, Dorchester, Mass., a corporation of Massachusetts

Filed June 9, 1960, Ser. No. 35,000
3 Claims. (Cl. 211—147)

This invention comprises new and improved shelving construction for storeroom use, and relates especially to a novel bracket structure and arrangement permitting easy and convenient assembling of the parts into a single frame unit providing the shelving space and capacity required.

The novel bracket is adapted to be affixed to each corner of the shelves and includes a tubular portion for sliding contact on and about a vertical supporting post and an abutment contacting surface disposed at a 45° angle to the shelf for receiving a like mating surface on the cooperating bracket of the adjacent shelf, the adjacent shelves at each elevation thereby being automatically supported at a common level throughout the unit. The provision of a novel shelf construction of this nature and for the purpose decsribed comprises the primary object of the invention.

These and other features of the invention will be best understood and appreciated from the following description of preferred embodiments thereof, selected for purposes of illustration and shown in the accompanying drawings in which:

FIG. 1 is a plan view of a shelving unit embodying my invention,

FIG. 2 is a side elevation thereof,

FIG. 3 illustrates a supporting foot for the unit,

FIG. 4 illustrates a closure cap,

FIG. 5 is an enlarged fragmentary elevation showing my novel bracket construction,

FIG. 6 is a sectional view taken on line 6—6 of FIG 5,

FIG. 7 is a perspective view showing in separated position the two brackets shown in FIG. 5, and

FIG. 8 is a perspective view showing a modified shelf construction.

Referring now to the drawings by reference characters, 10 indicates upright tubular posts for supporting the shelving unit and 12 indicates the several shelves supported on the posts. As illustrated in the drawings, the shelves are supported at their corners on the posts and my invention provides novel brackets 14 on the corners of the shelves for performing this function in a manner automatically supporting all the shelves at each elevation at a common level throughout the unit. Also, as illustrated in the drawings, the posts are imperforate and preferably square in cross section and each is supported at its bottom end in a flanged foot 16 resting on the floor, each foot having a square socket portion at 18 for receiving the post. A plastic or metal closure cap 20 is provided for insertion into te top end of each post.

As illustrated in detail in FIGS. 5–8 of the drawings, each bracket 14 comprises a box-like unit having an upright back wall 22 for attachment in face to face contact to the upright marginal flange 24 of the shelf at each corner thereof, a parallel front wall 26 of substan-

tially less height than the back wall, and connecting side walls 28 forming a rectangular tubular enclosure with the back and front walls. The tubular enclosure is of a size to fit over the posts 10 and the side walls have parallel edges 30 inclined at a 45° angle between the back and front walls.

As illustrated in FIGS. 1 and 2 the shelves are of rectangular shape and the brackets are affixed to one end of each shelf with the edge surfaces 30 facing upwardly and at the opposite end with such edge surfaces facing downwardly. Thus with such construction each two adjacent shelves are supported at their junction with the mating oppositely faced surfaces 30 in abutting contact, thereby automatically supporting the shelves on a common level at such junction. Each bracket is adapted to be secured to its post by a set screw 32 threaded into a nut 34 affixed to a side wall 28. It will be understood that the shelves are adjustable to any elevation, either together or independently, along the posts to provide such spacing between the shelves as meets requirements.

In FIG. 8 I have illustrated a modified construction providing the shelf 12' with a marginal retaining barrier 36.

It will now be apparent that I have produced a novel shelf supporting bracket construction and arrangement that can be quickly and conveniently assembled to provide storeroom shelving of desired size, capacity and arrangement and including adjacent shelves at a common level or spaced to suit various requirements.

Having thus disclosed my invention what I claim as new and desire to secure by Letters Patent is:

1. Storeroom shelving including in combination a tubular and vertically extending post, two horizontally aligned shelves at opposite sides of the post, and shelf supporting brackets affixed respectively to each of the two shelves and including tubular portions on and extending about the post and in abutting contact along a plane extending downwardly at a 45° angle to the plane of the shelves.

2. The shelving defined in claim 1 in which the two shelves are of rectangular shape and each is provided with a shelf supporting bracket at each corner thereof at the junction of the two shelves and including tubular portions supporting the shelf brackets in said abutting contact on two posts at said corners.

3. The shelving defined in claim 2 in which said two shelves each have shelf supporting brackets on their corners remote from said junction, each such bracket including a tubular portion having a 45° angle abutting surface facing in the opposite direction to the corresponding abutting surface at the junction end of the shelf.

References Cited in the file of this patent

UNITED STATES PATENTS

637,420	Robbins	Nov. 21, 1899
2,117,127	Yarger	May 10, 1938
2,738,883	Wineman	Mar. 20, 1956
2,765,087	Weinbaum	Oct. 2, 1956
2,875,904	Gingher	Mar. 3, 1959

FOREIGN PATENTS

1,000,289	Germany	Jan. 3, 1957