Nov. 28, 1944. W. E. SCRUGGS 2,364,003

ARTICLE SUPPORT

Filed Jan. 19, 1943 2 Sheets-Sheet 1

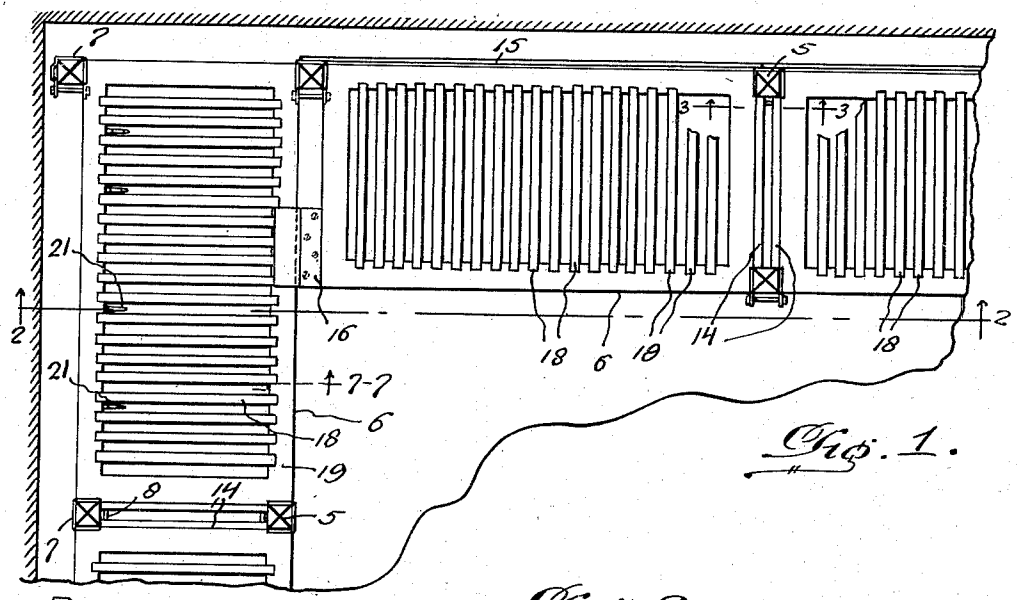


Fig. 1.

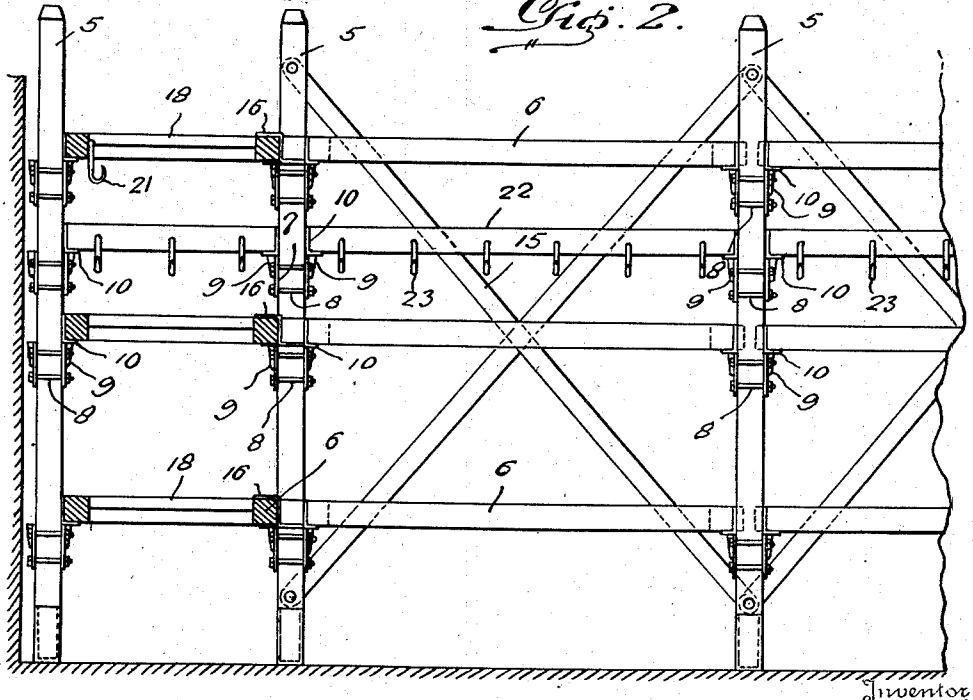


Fig. 2.

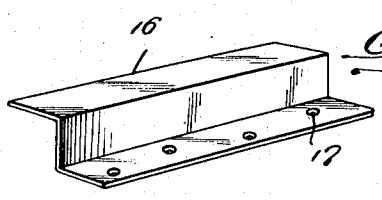


Fig. 3.

Inventor
William E. Scruggs,
By J. Stanley Bunch
Attorney

Nov. 28, 1944. W. E. SCRUGGS 2,364,003

ARTICLE SUPPORT

Filed Jan. 19, 1943 2 Sheets-Sheet 2

Fig. 3.

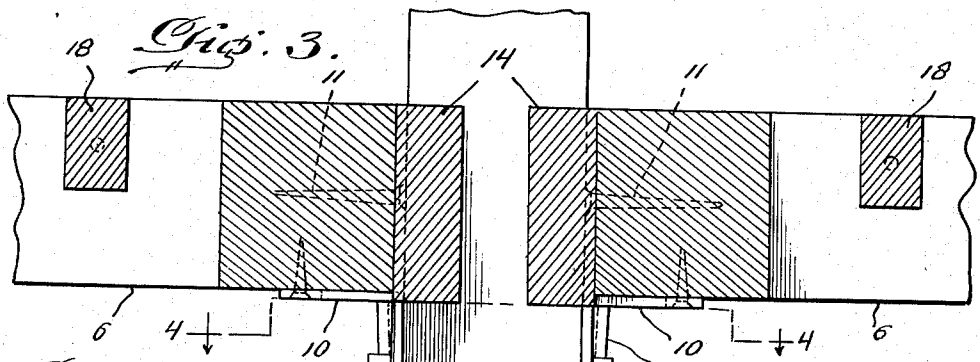
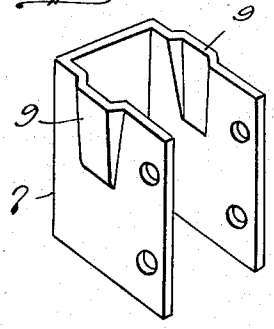


Fig. 5.



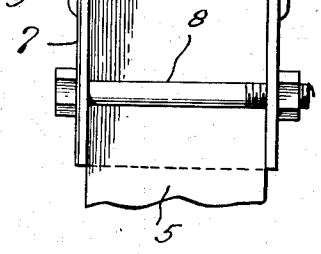


Fig. 6.

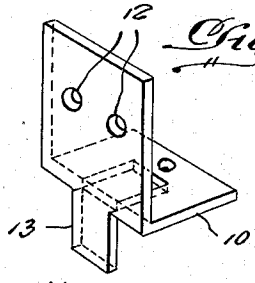


Fig. 4.

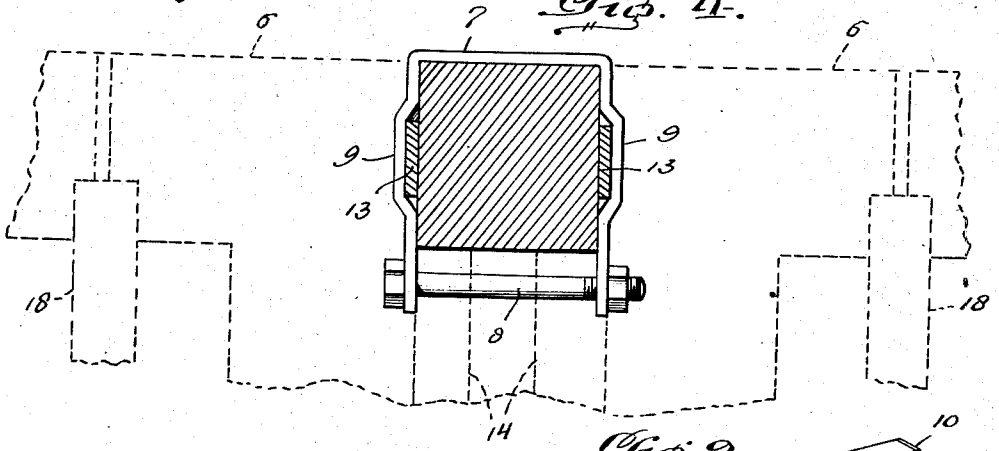


Fig. 7.

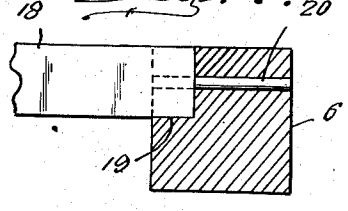
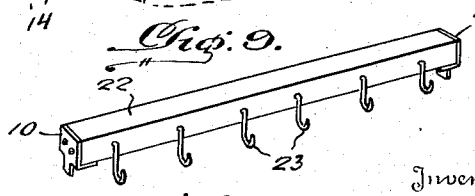


Fig. 9.



Inventor

William E. Scruggs,

By J. Stanley Burch

Attorney

Patented Nov. 28, 1944 2,364,003

UNITED STATES PATENT OFFICE

2,364,003

ARTICLE SUPPORT

William E. Scruggs, Houston, Tex.

Application January 19, 1943, Serial No. 472,899

1 Claim. (Cl. 211—148)

This invention relates to article supports for storage rooms and the like, and the primary object of the present invention is to provide supporting means of the above kind which makes liberal use of wooden parts in such a way as to provide for heavy duty and satisfactorily replace metal parts with a view to conserving metal.

A further important object of the present invention is to provide supporting means of the above kind which is free standing and self supporting, and whose shelves or like horizontal members can be raised or lowered at will, as well as leveled to take care of variations of floor levels.

A still further object is to provide supporting means of the above kind whose shelves or horizontal members can be readily removed for cleaning and sterilizing, and which is composed of sections which can be readily separated and removed.

A still further object is to provide supporting means of the above kind which does not require support from the walls or ceiling of the storage room.

Still another object of the present invention is to provide supporting means of the above kind which is extremely simple and durable in construction, economical and easy to manufacture and install, and otherwise well adapted for a successful commercial use.

With the above objects in view, the present invention consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawings and claimed.

In the drawings:

Figure 1 is a fragmentary top plan view of supporting means constructed in accordance with the present invention.

Figure 2 is a vertical section taken on line 2—2 of Figure 1.

Figure 3 is an enlarged fragmentary section taken on line 3—3 of Figure 1.

Figure 4 is a horizontal section taken on line 4—4 of Figure 3.

Figure 5 is a perspective view of one of the supporting sleeves.

Figure 6 is a perspective view of one of the angle brackets carried by the shelves or like horizontal members and cooperating with the supporting sleeves for mounting the shelves or like horizontal members for ready removal or vertical adjustment.

Figure 7 is an enlarged fragmentary section on line 7—7 of Figure 1, showing the manner of connecting the ends of the slats of the shelves with the side rails of the frames thereof.

Figure 8 is an enlarged view of one of the angle brackets employed for supporting the adjacent inner corner of one shelf, upon the adjacent inner side of an adjoining shelf at a corner of a storage room, and

Figure 9 is a perspective view of one of the horizontal bars arranged between the shelves and provided with article hanging hooks.

Referring in detail to the drawings, the present supporting means may comprise a plurality of wooden uprights or posts 5 arranged between and at the corners of shelves 6. Fitted on the posts 5 are split supporting sleeves 7 whose ends are connected by clamping bolts 8. Thus, the sleeves 7 are vertically adjustable on the posts 5 and may be secured in any desired adjusted position by tightening the bolts 8. The sides of sleeves 7 have outwardly offset sockets 9, and attached to the corners of the shelves 6 are angle brackets 10 having bottom and side flanges adapted to be fastened to the corners of the shelf frame by means of wood screws 11 passing through apertures 12 in the flanges of brackets 10 and driven into the frames of shelves 6. Brackets 10 have depending lugs 13 adapted to be snugly received in the sockets 9 of supporting sleeves 7 so as to sustain the shelves carrying said brackets 10 in the desired elevated position. When the shelves are supported in this way, a space is left between the adjacent ends of adjacent shelves which may be partially closed by means of cleats 14 suitably fastened to the ends of the shelves between the adjacent corner supporting posts 5.

The posts 5 at the rear of the shelving are connected in pairs by means of cross braces 15, each connecting the upper end portion of one post with the lower end portion of the next adjacent post.

Where the shelves adjoin at a corner of the storage room, the inner corner of one shelf will be sustained upon the adjacent side of the adjoining shelf by means of a special angle bracket 16 so that no inner corner post is required at this point. As shown, the bracket 16 has a lower horizontal flange provided with apertures 17 so that said flange may be fastened by wood screws to the underside of the adjacent end frame member of the first mentioned shelf. The bracket further includes an upper horizontal flange arranged to rest upon the adjacent side rail of the frame of the adjoining shelf as shown clearly in Figure 1.

All shelves, which may be arranged in tiers as shown, are preferably composed of rectangular frames having cross slats 18 suitably spaced apart. As shown in Figure 7, the ends of the slats 18 are preferably seated in notches 19 provided in the inner sides of the side members of the frame of the shelf adjacent the top of said frame and secured therein by gluing and by the use of dowel pins 20 extending transversely through the side frame member of the shelf and entering end sockets in the ends of the slats 18. Water proof glue for securing the dowels 20 and the ends of the slats in place with respect to the frame of the shelf is preferably employed.

If desired, hooks 21 may be attached to the rear side members of the shelf frames so as to have meat or other articles hung therefrom. Also, horizontal bars 22 may be arranged to extend between each pair of adjacent rear posts 5 in the spaces between adjacent shelves. In that event, brackets 10 are attached to the end of the bars 22 and cooperate with other supporting sleeves 7 on the posts for adjustably and removably sustaining the bars 22 in position. The bars 22 have a series of hooks 23 secured thereto so that meat or other articles may be hung therefrom.

Of course, it will be understood that the present support may consist of horizontal members of any well known type, such a shelves, rods or bars, from which articles may be hung, and which are sustained by the sleeves 7 and brackets 10 between the posts 5. Also, the support may employ horizontal members of any one type. In other words, shelves only may be used, or the shelves may be omitted and use made only of rods or the bars 22.

From the above description, it will be seen that I have provided a very sturdy supporting means capable of the heavy duty required in storage plants and made principally of wood, so as to conserve metal. It will be further seen that the shelves or like horizontal members are readily removable for cleaning and sterilizing, and that they may be readily adjusted vertically to the desired position and for leveling. The support structure is self supporting and need not be anchored to the side walls or ceilings of the storage room.

From the foregoing description, it is believed that the construction, as well as the advantages of the present invention, will be readily understood and appreciated by those skilled in the art.

What I claim as new is:

Supporting means comprising corner supporting posts, shelves arranged between said corner posts, vertically adjustable split flexible supporting sleeves made of sheet metal and disposed upon said posts and provided at their ends with tightening bolts, said supporting sleeves having outwardly offset portions forming sockets, and sheet metal angular corner brackets secured to the corners of the shelves and having depending lugs struck therefrom and removably received within said sockets of the supporting sleeves, said shelving comprising shelves extending at right angles to each other at a corner of the supporting means, and angle brackets each having a lower horizontal flange fastened to the underside of an end of one shelf at the inner corner thereof and provided with an upper horizontal flange resting upon the adjacent side of an adjoining shelf to sustain the shelves without the aid of an inner corner post.

WILLIAM E. SCRUGGS.