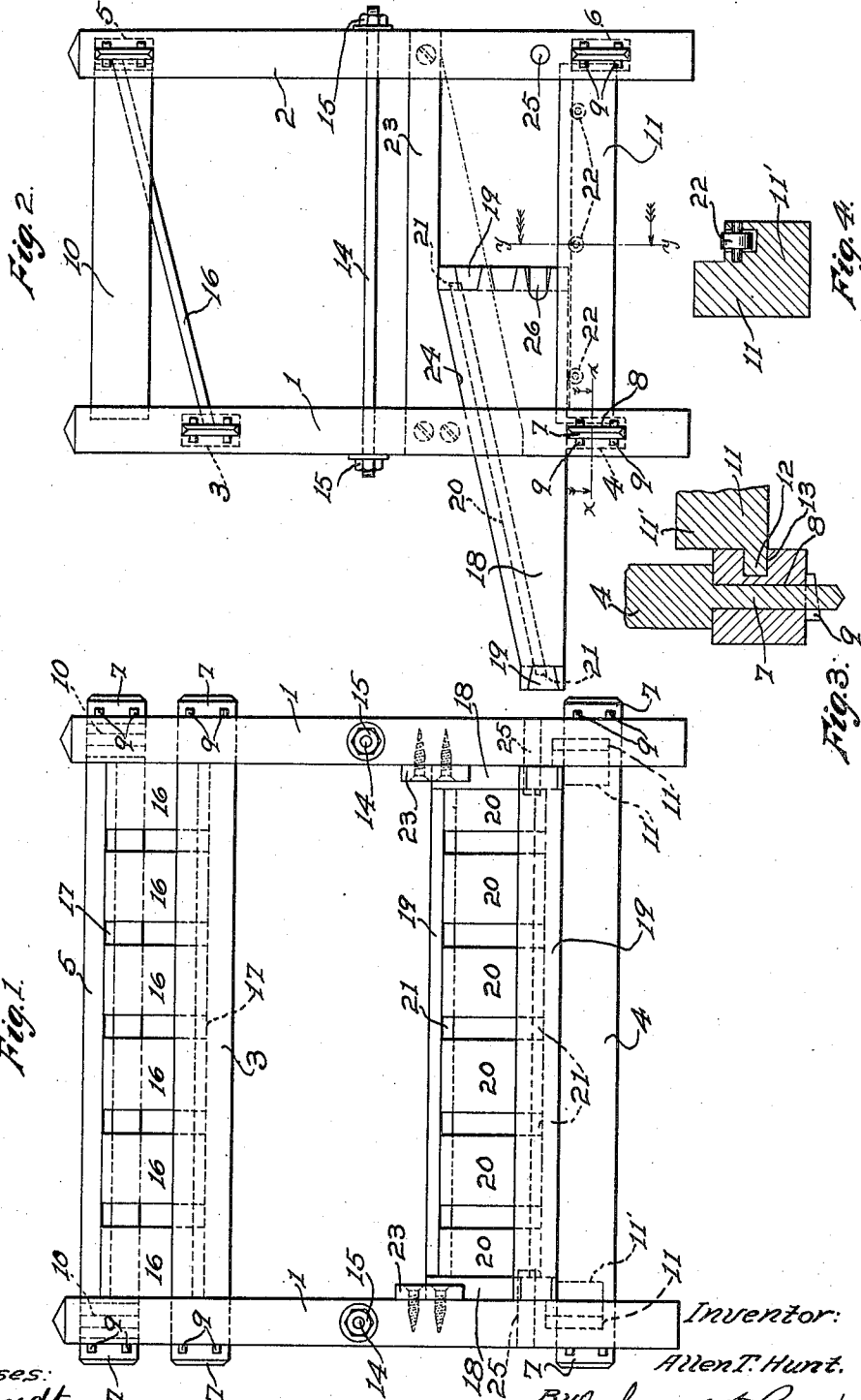


A. T. HUNT.
DISPLAY RACK.

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DISPLAY-RACK.

1,057,430.

Specification of Letters Patent.

Patented Apr. 1, 1913.

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To all whom it may concern:

Be it known that I, ALLEN T. HUNT, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Display-Racks, of which the following is a specification.

My invention relates to display racks and more specifically to that class thereof designed for use especially by grocers or like merchants for displaying vegetables and the like.

The object of my invention is the production of a display rack of the character mentioned through the medium of which articles of the character mentioned may be effectually displayed, and which will be of a collapsible construction so as to adapt the same, when not in use, to be collapsed to a small compass for storage or shipment.

A further object is the production of a display rack which will be of durable and economical construction and efficient in use.

Other objects will appear hereinafter.

With these objects in view my invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing forming a part of this specification, and in which,

Figure 1 is a front elevation of display rack embodying my invention, Fig. 2 is a side elevation thereof, and Figs. 3 and 4 are enlarged sectional details taken on substantially lines $x-x$ and $y-y$ respectively of Fig. 2.

The preferred form of construction as illustrated in the drawing comprises a frame consisting of front and rear corner posts 1 and 2 respectively, the upper and lower ends of the post 1 being connected by longitudinally extending bars 3 and 4 respectively, the corresponding ends of the posts 2 being connected by longitudinally extending bars 5 and 6 respectively. The connection of each extremity of each of said longitudinally extending bars with the corresponding posts 1 or 2 is formed, by a tenon 7, provided at the extremity of the bar which engages a slot 8 provided in the post, as clearly shown in Fig. 3, wedge pins 9 engaging the exteriorly projecting outer end of said tenon to lock the same to the post, as will be readily un-

derstood. The construction is such, as will be observed, that disconnection of the parts in order to "knock down" the frame may be readily and quickly effected by simply removing the wedge pins 9. The posts 1 and 2 at the corresponding end of the frame are connected at their upper ends by a transverse bar 10 and at their lower ends by a transverse bar 11, the extremities of said bars being provided with tenons 12 which loosely engage slots 13 provided in the adjacent sides of the posts. Tie rods 14 and nuts 15 which connect the medial portions of the posts 1 and 2, serve as means of locking said posts in engagement with the transverse bars 10 and 11, it being clear that upon removal of said tie rods, the posts will be free for release from the ends of said transverse bars. Extending between the longitudinal bars 3 and 5 is a plurality of slats 16 the extremities of which loosely engage longitudinal slots 17 formed in the inner sides of said bars. Said slats constitute an upper immovable shelf in the rack frame, said shelf, by reason of the relative vertical positions of the bars 3 and 5 being inclined, as shown.

Arranged in the lower end of the rack frame is a movable shelf former by transverse end members 18 and longitudinal members 19, the contiguous extremities of said members 18 and 19 being in dove-tail connection. The shelf proper is formed by transversely extending slats 20 the extremities of which engage longitudinal grooves 21 provided in the adjacent sides of members 19, said shelf being inclined as shown to correspond with the upper immovable shelf. Said movable shelf is slidably mounted in the rack frame upon rails 11' which are constituted at the inner sides of bars 11, the lower edges of end members 18 being positioned for engagement with said rails. Rollers 22 are preferably mounted in the rails 11' in order to alleviate friction, as will be readily understood. Connecting the rack frame posts at corresponding ends are transversely extending strips 23 which engage at their lower edges the extremities of the upper edge of the rear member 19 of the movable shelf, said members 23 being thus adapted to prevent relative vertical movement of the shelf. The front portions 24 of the lower edges of members 23 are inclined, as shown, for engagement with the

rearward portions of the inclined upper edges of end members 18 of the movable shelf in order to serve as stops to limit the forward movement of said shelf, the arrangement being such that said edge portions 24 will also be adapted to serve as locking means for the movable shelf inasmuch as said edges will be adapted through frictional engagement with the corresponding edges of members 19 to yieldingly lock the shelf at its forward terminal of movement. Rearward movement of the movable shelf is limited by pins 25 secured to the posts 2 which project inwardly for engagement with the rearward end of the shelf which is notched at 26 to accommodate said pins.

In using the rack, boxes or other receptacles containing the articles for display may be arranged upon the two shelves of the rack which are so disposed relatively that all of the articles arranged thereon will be effectually displayed. The tie rods 14 serve as handles so that if it is desired to move the rack, as from the outside to the inside of a store, or vice versa, the rack together with all of the articles arranged thereon may be readily and expeditiously moved by engaging said tie rods as will be readily understood. The movable lower shelf, in this transferring of the rack, may be slid to its inner position in order to facilitate moving the same.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having described my invention what I

claim as new and desire to secure by Letters Patent is:

1. A display rack comprising a frame; an upper immovable shelf mounted in the upper part of said frame; supporting rails in the lower part of said frame; a shelf slidably mounted upon said rails, said shelf being adapted to be moved to project forwardly from said frame; inclined surfaces provided at the upper edges of the ends of said movable shelf; and correspondingly inclined stationary surfaces adapted for engagement with said inclined surfaces of said movable shelf, when the latter is at its forward terminal of movement, for limiting the forward movement of said movable shelf and for frictionally locking the same in this position, substantially as described.

2. A display rack comprising a frame having a front and rear post at each end thereof; a horizontally disposed supporting end rail connecting the lower end of said posts at each end of said frame; rollers journaled in said supporting rails, a locking rail disposed above each supporting rail and connecting the posts at the ends of said frame, such locking rails having portions of their lower edges parallel with the top edges of said supporting rails and the remaining portions beveled toward said supporting rails; and a movable shelf mounted on said rollers and provided with beveled ends adapted to engage and frictionally lock such shelf at its outward terminal of movement, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALLEN THOMAS HUNT.

Witnesses:

CHARLES CHRISTIAN,
ELMER CHRISTIAN.