June 13, 1933. L. J. CAMPBELL 1,914,241

LUMBER DISPLAY RACK

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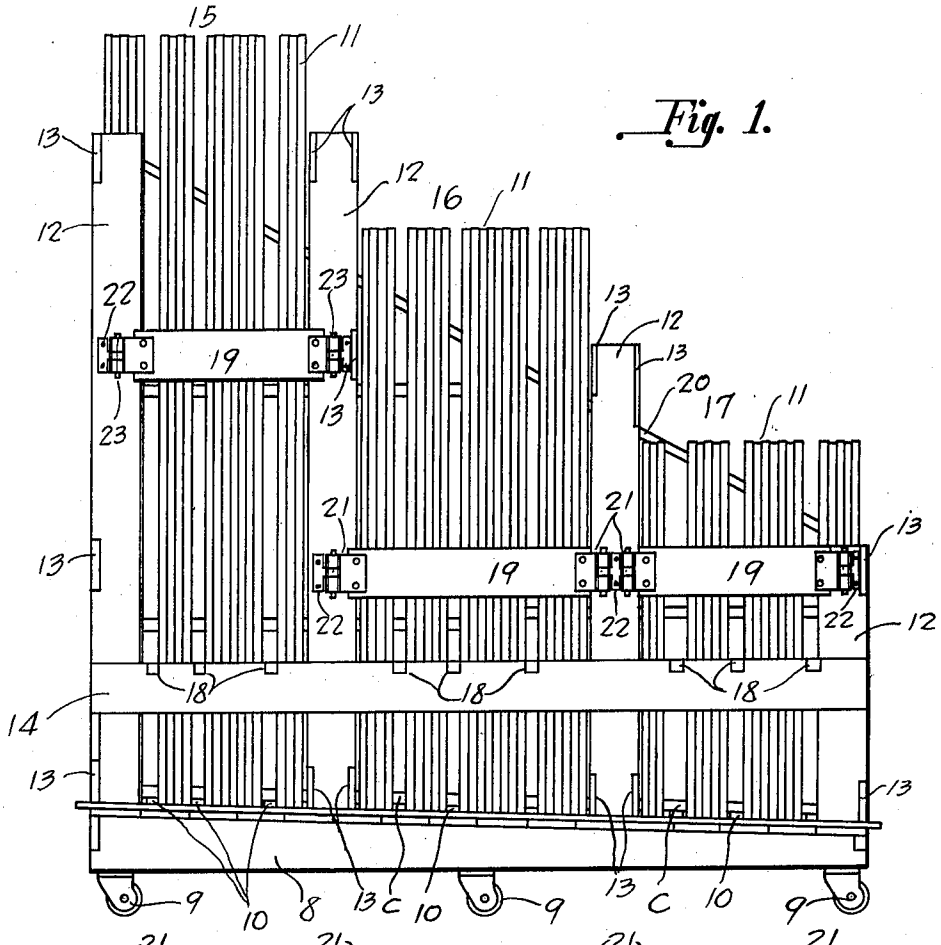


Fig. 1.

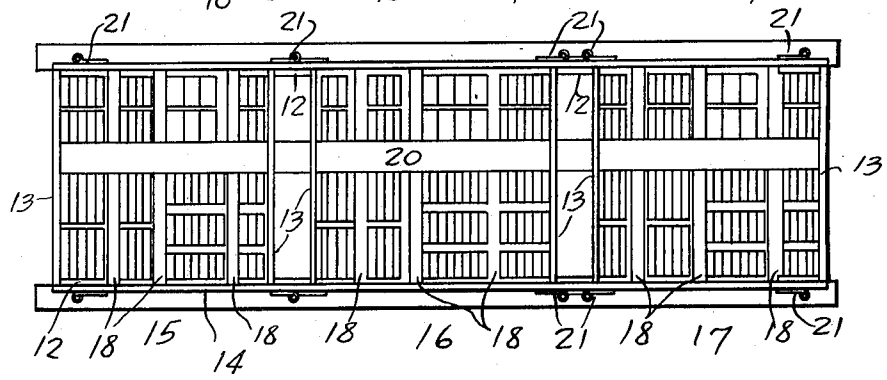


Fig. 2.

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Fig. 3.

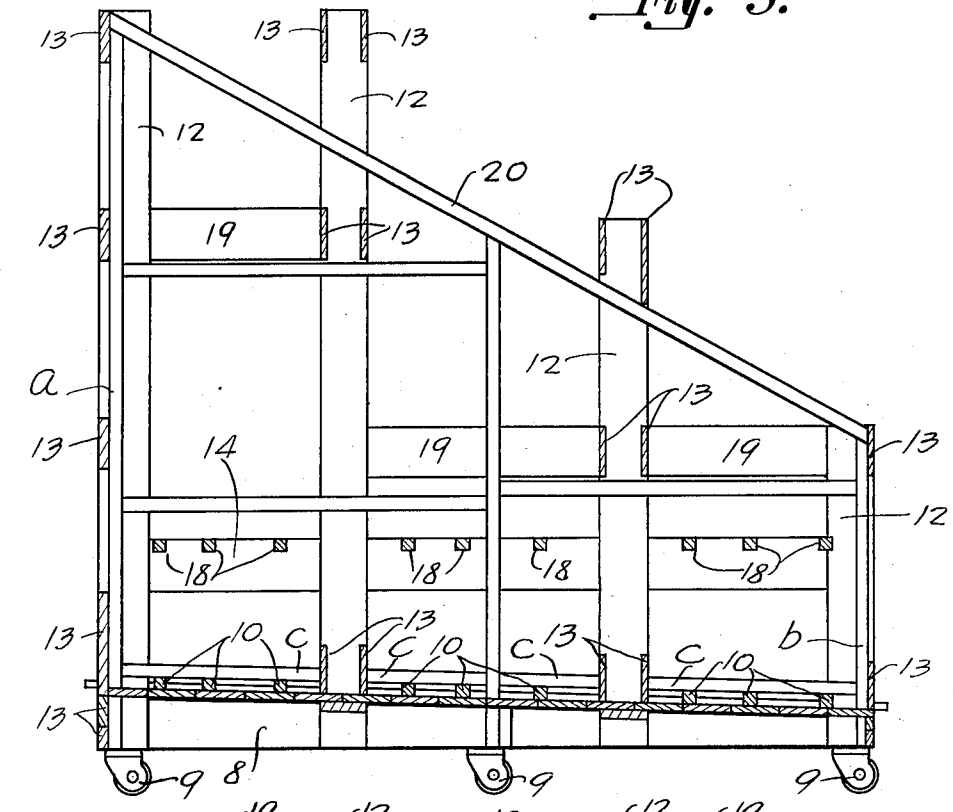
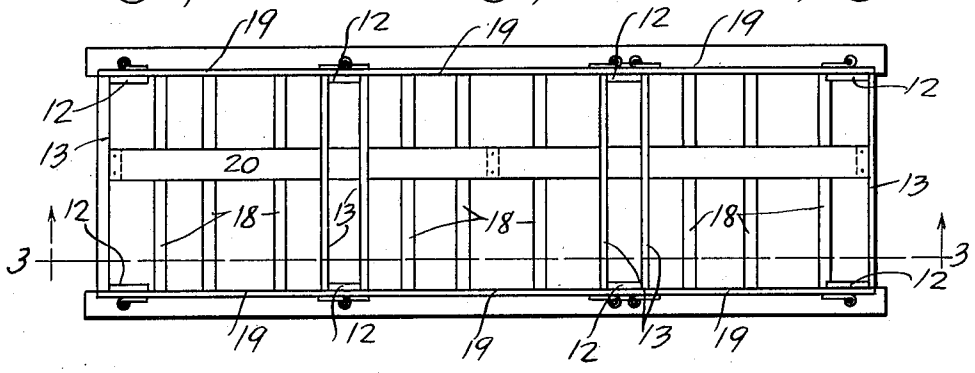


Fig. 4.



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LUMBER DISPLAY RACK

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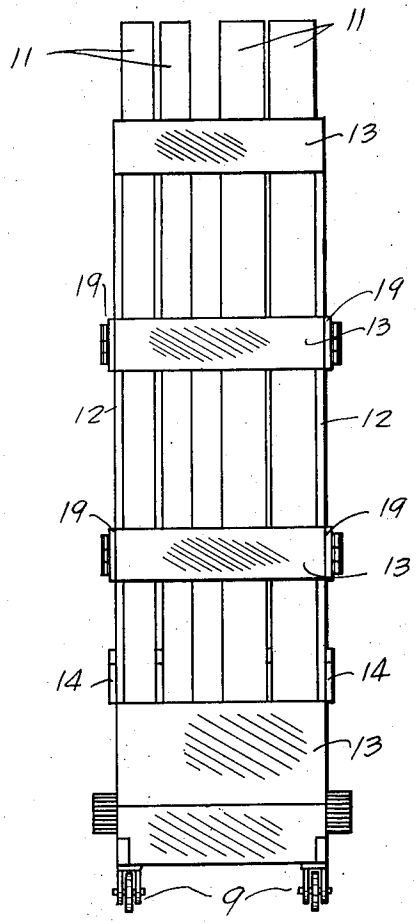


Fig. 5.

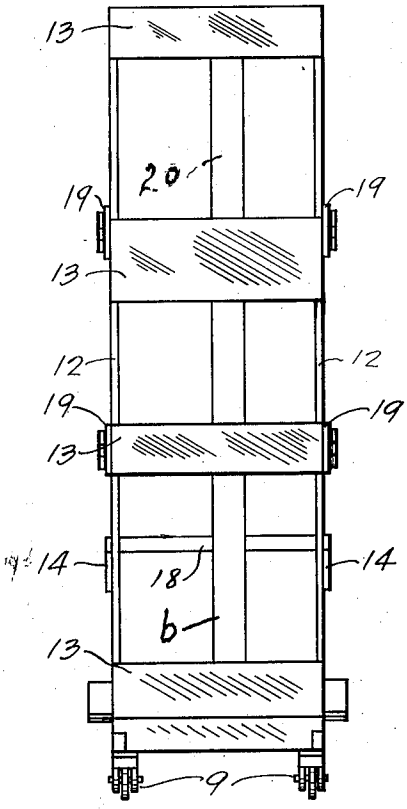


Fig. 6.

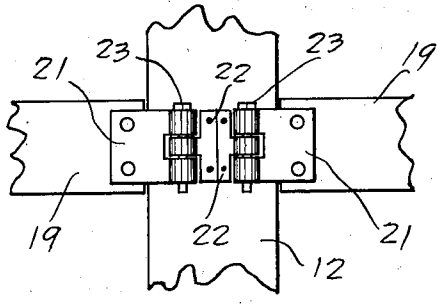


Fig. 7.

INVENTOR

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Patented June 13, 1933 1,914,241

UNITED STATES PATENT OFFICE

LESLIE J. CAMPBELL, OF OMAHA, NEBRASKA, ASSIGNOR OF ONE-HALF TO FREDERICK H. FREEMAN, OF BELLEVUE, NEBRASKA

LUMBER DISPLAY RACK

Application filed July 11. 1932. Serial No. 621,860.

This invention relates to a display rack for lumber, and has for its object, broadly, to provide a rack for use in sales rooms generally, such as hardware or paint stores and mercantile establishments dealing in building materials, said rack being of such construction and arrangement of parts that it will display finished or unfinished lumber varying in length, width and thickness and including shingles, so that examination and selection may be conveniently made by purchaser.

While the display rack could be used in lumber yards it is designed to display lumber in retail trade, to home owners, carpenters, cabinet makers, either in making repairs or for original construction of buildings.

The invention includes a display rack which will maintain the lumber in a vertical position and which may be moved from one part of a room to another without inconvenience. It also includes a rack arranged in sections for receiving lumber of a certain length and subdivided for varying widths and thickness. Also the invention includes such a construction for the display rack that the lumber may be conveniently placed therein and removed therefrom. Also the invention includes a display rack of such construction that it will adequately resist the stresses directed thereto by the considerable weight of the lumber therein.

With the foregoing objects in view and others to be mentioned hereinafter the invention presents a new and useful construction, combination and arrangement of parts as described herein and claimed and as illustrated in the accompanying drawings, it being understood that changes may be made in form, size, proportions and minor details, said changes being within the scope of the invention as claimed.

In the drawings, Fig. 1 is a side view of a display rack embodying my invention, lumber being shown on the rack, and Fig. 2 is a plan view of the same.

Fig. 3 is a vertical section on line 3—3 of Fig. 4 to show construction of the frame and Fig. 4 is a plan view of the display rack.

Fig. 5 is a view of the rear end of the display rack showing the lumber in position the partition being omitted, and Fig. 6 is a view of the front end of same, the lumber being removed.

Fig. 7 is a detail view showing two locking-strips pivotally and removably mounted on a standard.

Referring now to the drawings for a more particular description the invention consists in part of an elongated platform 8 provided with casters 9 to permit it to be moved endwise or circularly and at 10 are indicated spacing-bars these being disposed relatively parallel and transversely of the platform, and secured thereto. These spacing-bars provide channels therebetween for receiving the lower ends of the lumber 11 so that it may be maintained in a vertical position and that air passageways will be provided so that the lumber may be uniformly seasoned and warping prevented.

Numerals 12 indicate standards which are disposed at the sides of the platform and secured thereto, these standards being disposed opposite to each other in pairs; and as clearly shown in the drawings the pairs of standards differ in height as compared with each other for the reason that the lumber to be displayed has various lengths.

Numerals 13 indicate parallel cross-strips which connect the standards of each pair, and at 14 are indicated horizontal stabilizing-strips which are disposed above the platform and are secured to the sides of the standards.

As thus described three vertical sections are shown and indicated respectively at 15, 16 and 17, each being rectangular in plan for containing vertically disposed lumber. While I have shown three of these sections, the number may be greater or less if desired since operation would be the same.

At 18 are indicated secondary spacing-bars, these being mounted on the stabilizing-strips and disposed in the vertical planes of the spacing-bars 10, and it will be seen that when the pieces of lumber are placed in the sections 15, 16 or 17 they may be maintained in approximately a vertical position, and it is obvious that air passageways will be provided above and below the spacing-bars 18

as an aid in seasoning the lumber and tending to prevent warping of the same.

Numerals 19 indicate locking-strips, these being disposed above the stabilizing-strips, and each having a mounting of its ends on two adjacently disposed standards, these mountings for the locking-strips being such that they may have swinging movements horizontally to permit removal of the lumber, or may be conveniently removed for that purpose, as may be desired.

Since the herein described display rack may be used in sales rooms having comparatively low ceilings it is a matter of convenience or necessity to provide the locking-strips mentioned so that the lumber may be placed in the compartments mentioned, and may be removed therefrom, for it will be understood that, to remove a piece of lumber it must be lifted over a stabilizing-strip and head room must be provided between the ceiling of a room and upper ends of the lumber to permit the removal mentioned.

However, it will be understood that when a locking-strip has been removed or has been swung to open position, the lumber may be removed, each piece of lumber, for that purpose, being manually lifted and swung outwardly over a stabilizing-strip.

At 20 is indicated the inclined part of a partition-frame, said partition preferably having a vertical part *a* at its rear end, a vertical part *b* at its front end and a horizontal part *c* closely adjacent to the platform.

One of the objects in the use of this partition is to stabilize the display rack, this being of advantage since the considerable weight of the lumber will cause stresses to be directed to all parts thereof. Another object in the use of the partition is for convenience in loading the rack with lumber and removing the lumber therefrom at both of its sides.

By use of this partition two compartments for each of the sections 15, 16 and 17 will be provided, each being rectangular in plan, and it is obvious that the space between these compartments will permit ventilation between the two lumber compartments of each vertical section which, as above mentioned, is a desirable feature.

The preferred mounting for the locking-strips 19, as best shown in Fig. 7 of the drawings, consists of hinge-members 21 mounted on the ends of said locking-strips, the standards 12 being provided with hinge-members 22, and a bolt or pintle 23 being provided, and being removable when desired.

In operation, if a bolt or pintle 23 is removed, a locking-strip 19 may be swung horizontally to permit removal of lumber, and it is obvious that the pintles or bolts 23 at each end of a locking-strip may be removed for the same purpose.

It will be noted that the partition-frame is not disposed equi-distant from the standards, and that the areas, in plan, of the lumber-compartments for each vertical section 15, 16 and 17 are not equal, this feature being of advantage since the width of the lumber pieces are not uniform, this feature being simply a matter of convenience.

By referring to Fig. 1 of the drawings it will be seen that the surface of the platform has a downward inclination from its rear to its front end, this being an advantage in instances when the lumber on the rack is exposed to rain or snow. However, this feature may be dispensed with ordinarily, and when the display rack is used in salesrooms or sheltered places, and I do not wish to be understood as limiting myself in this respect, and the surface of the platform may be horizontal or it may have the inclined surface as described.

I claim as my invention,—

1. In a display rack for lumber, a platform, spacing-strips on the platform disposed transversely thereof, standards disposed in opposed relation in pairs at the sides and at longitudinal intervals of the platform, cross-strips connecting the standards of each pair, a vertically disposed partition-frame between the standards of each pair and mounted on the spacing-strips, stabilizing-strips above the sides of the platform parallel with the partition-frame and secured to the standards, and locking-strips above the stabilizing-strips pivotally mounted on the standards.

2. In a display rack for lumber, a platform rectangular in plan, spacing-strips on the platform disposed transversely thereof, standards disposed in opposed relation equi-distant from each other in pairs at the sides and at intervals longitudinally of the platform, cross-struts on the standards of each pair, a partition-frame disposed in approximately a vertical plane nearer to one side of the platform than to the other side thereof upon the spacing-strips, stabilizing-strips above the sides of the platform are secured to the standards, secondary spacing-strips secured to and disposed transversely of the stabilizing-strips in the vertical planes of the first named spacing-strips, and locking-strips above the stabilizing-strips pivotally mounted on the standards.

3. In a display rack for lumber, an elongated rectangular longitudinally inclined platform, standards disposed opposite to each other in pairs at longitudinal intervals of the platform and projecting above the sides thereof, cross-strips connecting the standards of each pair, spacing-strips on said platform, a partition-frame between the standards of each pair having a part engaging the spacing strips, and a plurality of locking-strips above the platform hingeably

mounted on the standards to permit horizontal swinging movements.

4. In a display rack for lumber, an elongated platform, standards arranged in pairs at the ends of the platform and secured thereto, secondary standards arranged in pairs intermediate the first named pairs of standards and secured to the platform, the standards of said first named pairs and standards of said secondary pairs differing in height as compared with each other, spacing-strips on the platform, a partition-frame on said spacing-strips between the standards of said pairs and having an inclined part engaging the cross-strips of the first named pairs of standards, and locking-strips detachably secured to the standards of said pairs.

5. In a display rack for lumber, a rectangular elongated platform, standards arranged in pairs projecting above the ends of the platform, secondary standards arranged in pairs projecting above the platform and disposed intermediate the first named pairs of standards, the standards of the first named pairs and standards of the secondary standards differing in height relative to each other, spacing-strips on the platform, stabilizing-strips parallel with the platform and secured to the standards, a partition-frame on said spacing-strips in a vertical plane adjacent to and parallel with the longitudinal axis of said platform and having an inclined part engaging the cross-strips of the first named pairs of standards, and locking-strips detachably secured to the standards of said pairs.

In testimony whereof, I affix my signature.

LESLIE J. CAMPBELL.