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F. D. ENO & M. J. COOK.

DISPLAY RACK.

APPLICATION FILED APR. 16, 1907.

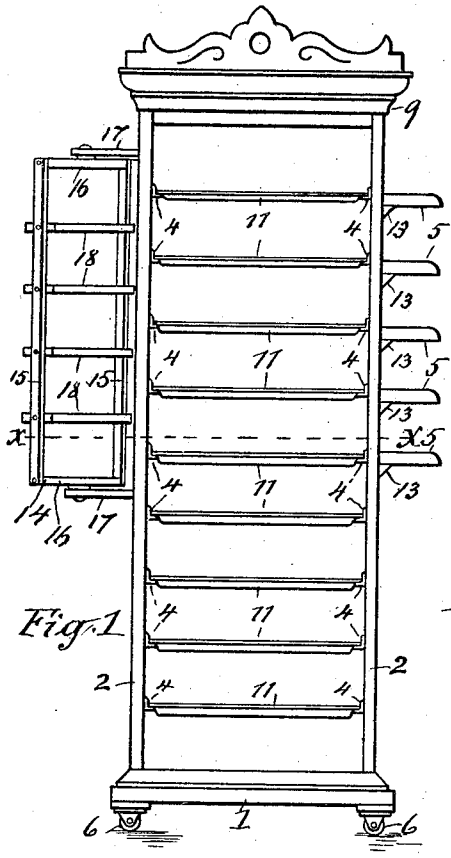


Fig. 1

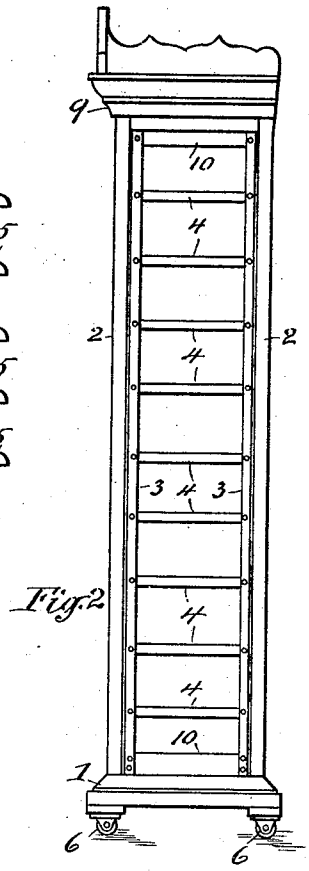


Fig. 2

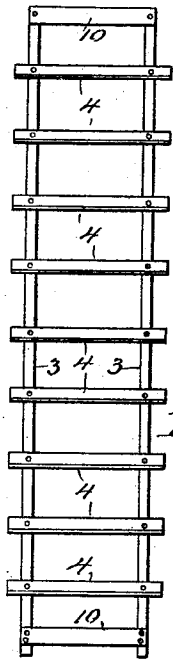


Fig. 3

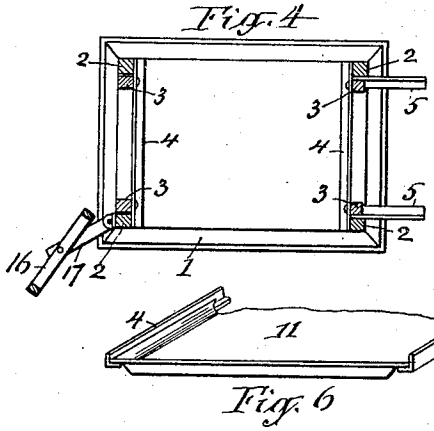


Fig. 4

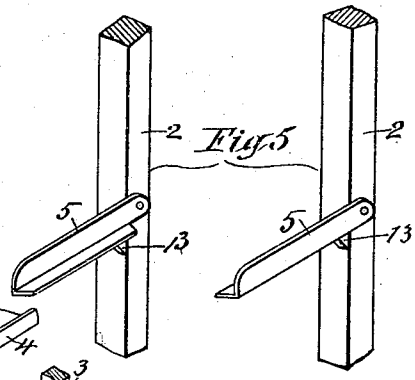


Fig. 5

Fig. 6

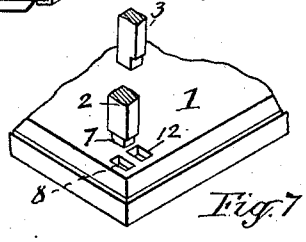


Fig. 7

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DISPLAY-RACK.

No. 874,315. Specification of Letters Patent. Patented Dec. 17, 1907.

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To all whom it may concern:

Be it known that we, FRANK D. ENO and MANSFIELD J. COOK, citizens of the United States, and residents, respectively, of Auburn, in the county of Cayuga, in the State of New York, and of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Display-Racks, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the class of display-racks which are designed to be used in stores or shops for displaying samples of goods or wares offered for sale.

The object of the invention is to provide a display-rack which shall be simple and inexpensive in construction, neat in appearance, capable of advantageously displaying a large assortment of goods within a small compass, and afford ready access to the samples contained in the rack, and shall also be conveniently cleaned internally as well as externally. And to that end the invention consists in the novel construction and combination of the component parts of the rack as hereinafter described and claimed.

In the accompanying drawings Figure 1 is a front view of a display-rack embodying our invention; Fig. 2 is a side view of the same; Fig. 3 is a detached view of the removable supplemental frame of the rack; Fig. 4 is a horizontal transverse section on the line —X—X— in Fig. 1 minus the shelf; Fig. 5 is an enlarged fragmentary perspective view of two of the main posts of the display-rack; Fig. 6 is a fragmentary perspective view of one of the shelves and its supporting bars; and Fig. 7 is an isometric perspective view of one of the corner portions of the base plate of the display-rack.

Similar numerals of reference indicate corresponding parts:

—1— denotes the base plate of the display-rack. This base plate may be of any desired shape, preferably rectangular and supported on casters —6—. On the four corners of the said base plate are erected the main posts —2—2— which are rigidly secured thereto by tenons —7— on the ends of the posts framed into mortises —8— in the base, or by other suitable means. On the upper ends of the posts —2—2— is firmly mounted a suitable top-plate —9— which may be made of any desirable ornamental shape. The aforesaid base-plate —1— posts —2— and top-plate —9— constitute the main frame of the display-rack. The spaces between the said posts are open to afford ready access to the interior of the display-rack. In the openings in the sides of the said main frame are removably seated upright supplemental frames supported on the base-plate —1—. One of said supplemental frames is shown in its removed condition in Fig. 3 of the drawings. Each of these supplemental frames is composed of two upright posts —3—3— tied to each other at their ends by means of transverse cleats —10— attached thereto in any suitable manner, to impart the requisite rigidity to the supplemental frame. The cleats —10— space the posts corresponding to the side opening between the main posts —2—2— so as to completely span the said opening as shown in Fig. 2 of the drawings.

To the inner sides of the supplemental posts —3— are attached transverse bars —4—4— preferably L-shaped in cross-section to support on their horizontal flanges suitable shelves —11—11—, which are removably seated thereon and thus conveniently accessible for cleaning them when required.

To sustain the supplemental frame in its position in the rack, the lower ends of the posts —3—3— of said frame are set into sockets —12— adjacent to the mortises —8— in the base-plate —1—, (see Fig. 7). The upper portion of the supplemental frame is prevented from falling out of the opening between the main posts —2—2— by the ends of the bars —4—4— extending across the inner sides of the main posts as shown in Fig. 4. The shelves —11—11— riding on the bars —4—4— prevents the supplemental frames from falling inward. By removing the said shelves the supplemental frame can be drawn inward from the openings in the main frame and then removed from the interior of the display-rack and when thus removed the said frames and shelf-supporting bars —4—4— attached thereto are easily cleaned or repaired if required.

The utility of the display rack may be augmented by pivoting to the main posts

—2—2— outwardly and downwardly swinging bars —5—5— of suitable shape to support shelves upon which to display samples of goods. By means of suitable stops —13— attached to the posts —2—2— and in position to engage the undersides of the bars —5—5— the said bars are supported in their horizontal outwardly projecting position.

In some cases it may be desired to enlarge the capacity of the display rack by connecting to the exterior of the main frame a vertical frame —14— consisting of upright bars —15—15— attached at their ends to transverse bars —16—16— which are pivoted to free ends of arms —17—17— pivoted to the front post —2—. In the frame —14— are shelves —18— pivoted to the upright bars —15—15—.

What we claim as our invention is:—

1. A display-rack composed of a rectangular base plate, posts erected on the corners of said base-plate and disposed with openings between the posts, a top plate mounted on the posts, supplemental skeleton frames seated removably in the side openings of the main frame, and shelf-supporting bars attached to said supplemental frames.

2. A display-rack composed of a rectangular base-plate, main posts erected on the corners of said base-plate and disposed with openings between the posts, a top-plate mounted on said posts, supplemental frames each of which is composed of posts and transverse cleats tying said posts to each other at their ends and spacing the posts correspondingly to the side openings between the main posts, shelf-supporting bars attached to the posts of the supplemental frames, and means for sustaining said supplemental frames removably in their aforesaid position.

3. The combination of a rectangular base plate provided with a mortise at each of its corners and with sockets adjacent to the mortises at the shorter sides of the base plate, main posts secured in the mortises, a top-plate mounted on said posts, two supplemental frames each composed of two posts stepped removably in the aforesaid sockets, transverse cleats tying the latter posts to each other at their ends, transverse bars attached to the posts of the supplemental frame, and shelves mounted removably on said bars.

4. A display-rack composed of a rectangular base plate, main posts erected on the corners of said base plate and disposed with openings between the posts, a top plate mounted on said posts, supplemental frames each of which is composed of two posts seated removably on the base plate in the side opening between the main posts, transverse cleats tying the said supplemental posts to each other at their ends, shelf-supporting bars attached to the supplemental frames, means for sustaining said frames in position, and shelf-supporting bars adjustably connected to the main posts to move from a vertical position to an outwardly projecting position.

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