

June 5, 1934.

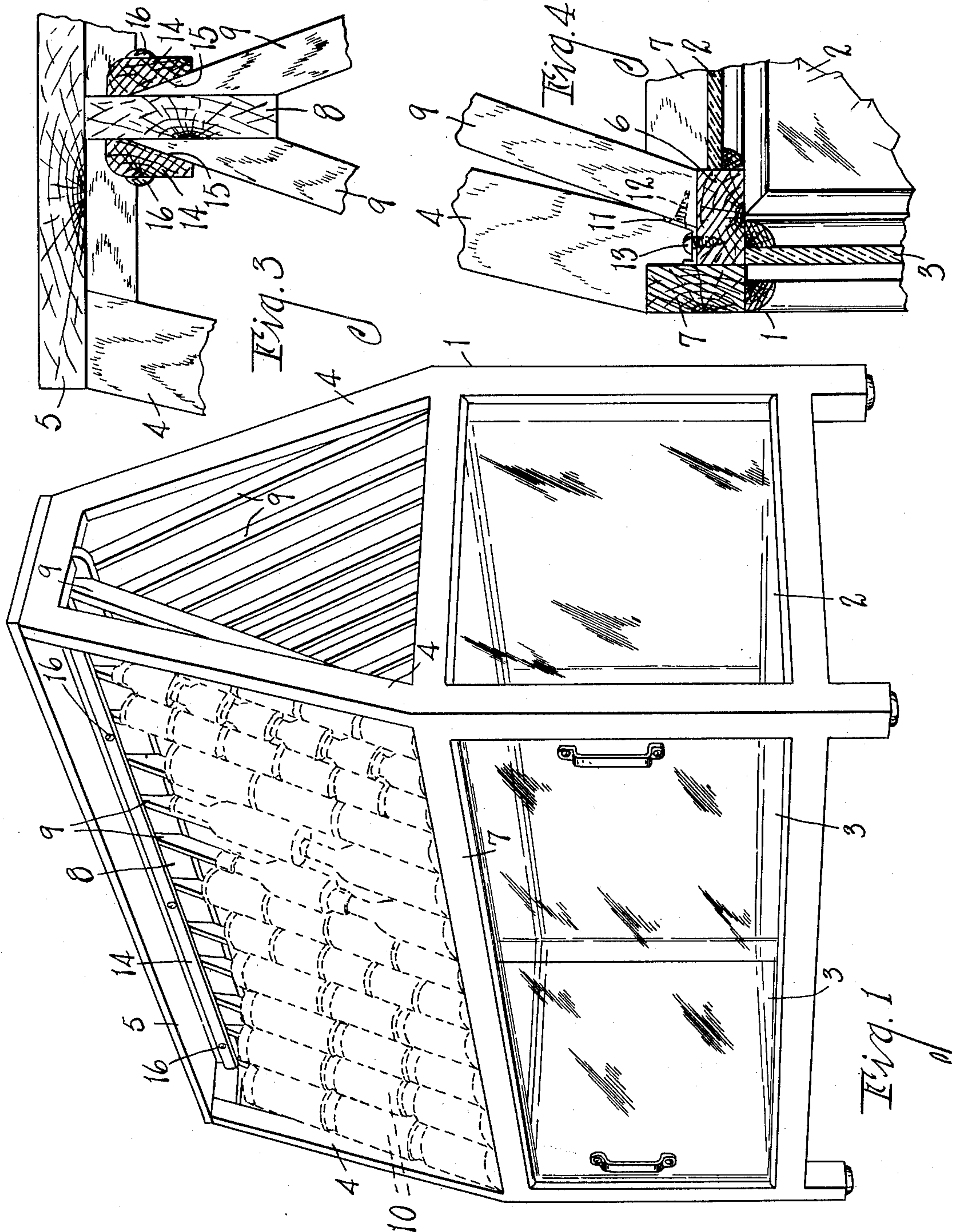
G. B. PERRY

1,961,163

DISPLAY RACK

Filed May 18, 1933

2 Sheets-Sheet 1



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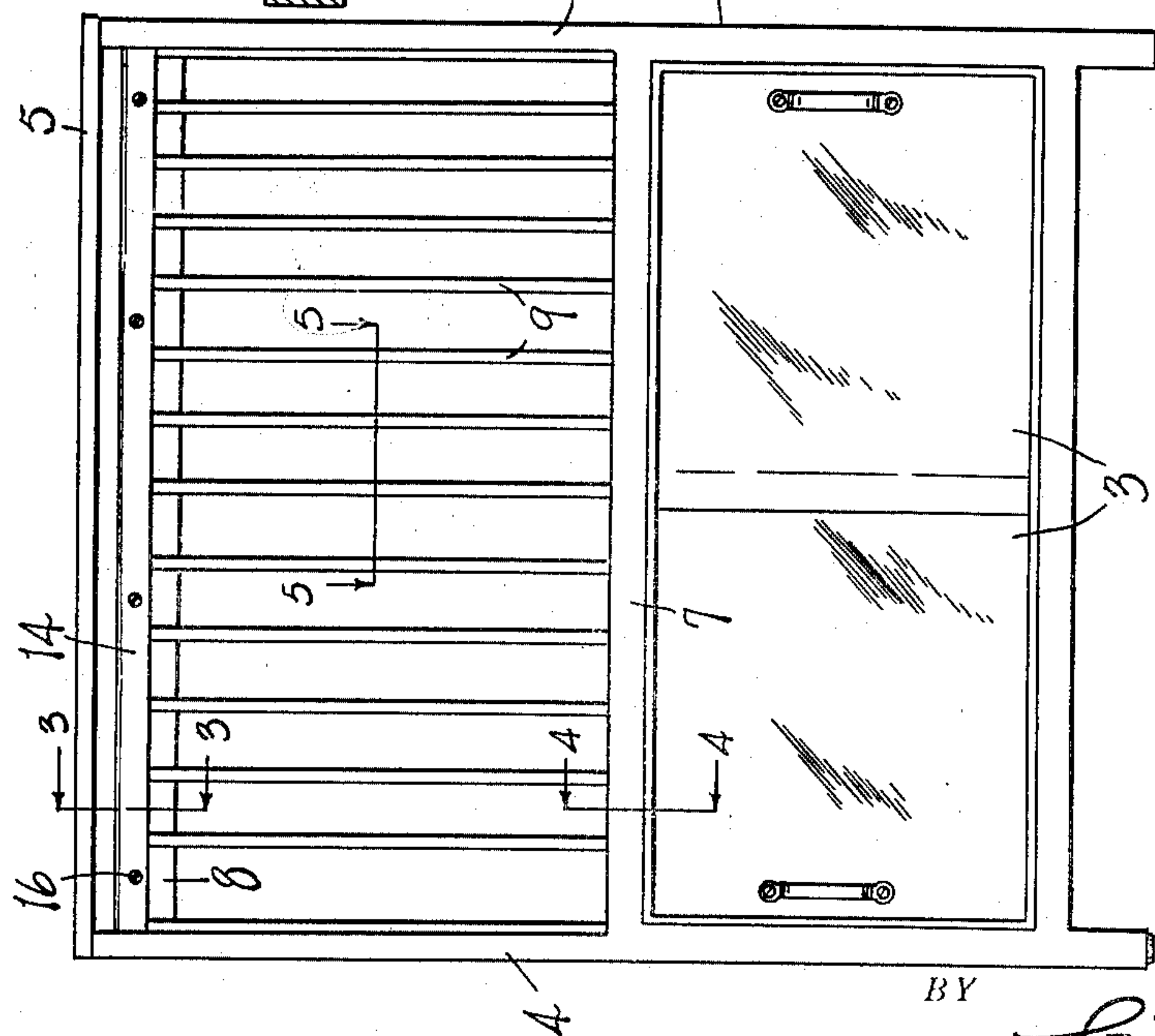
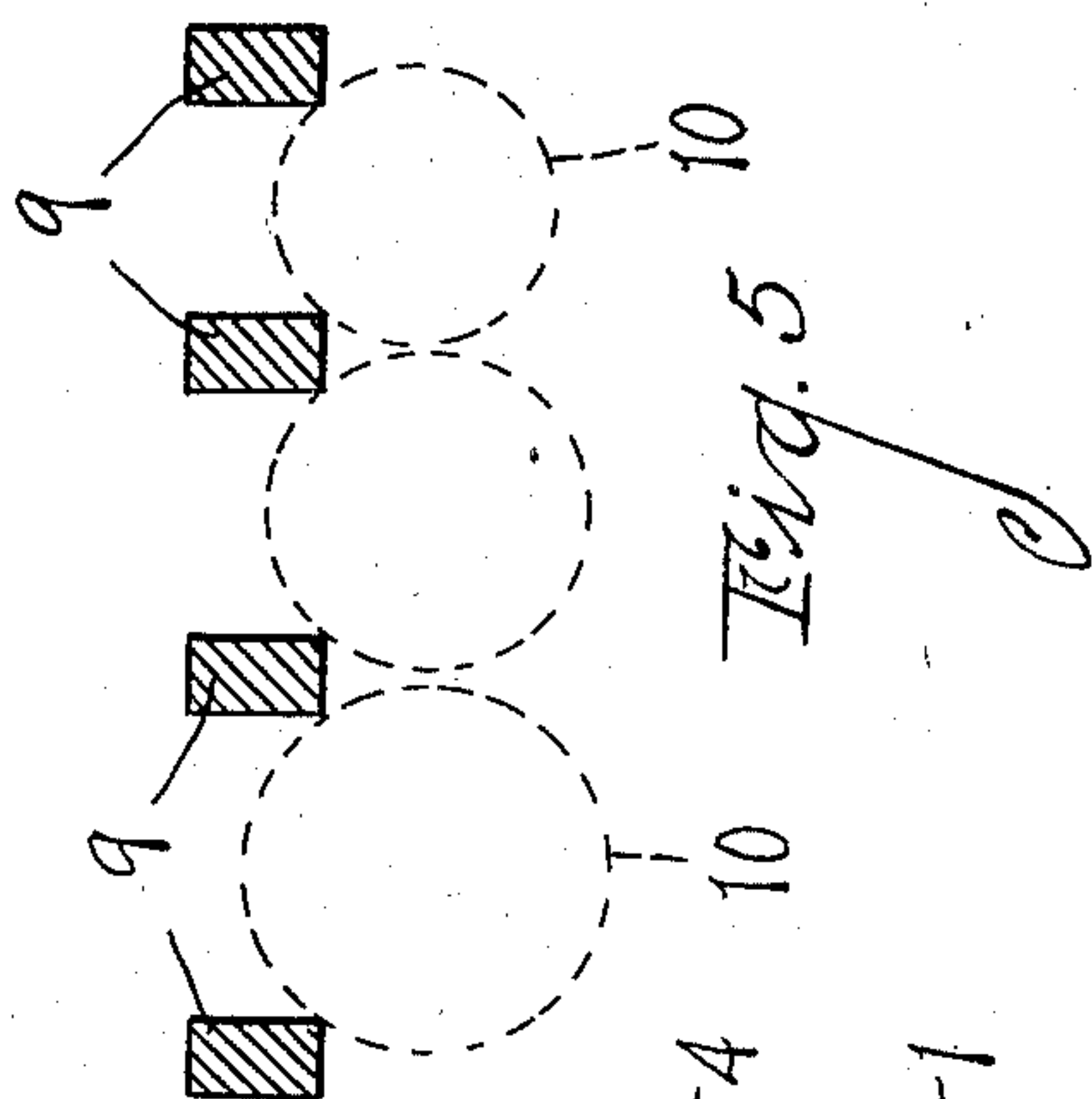
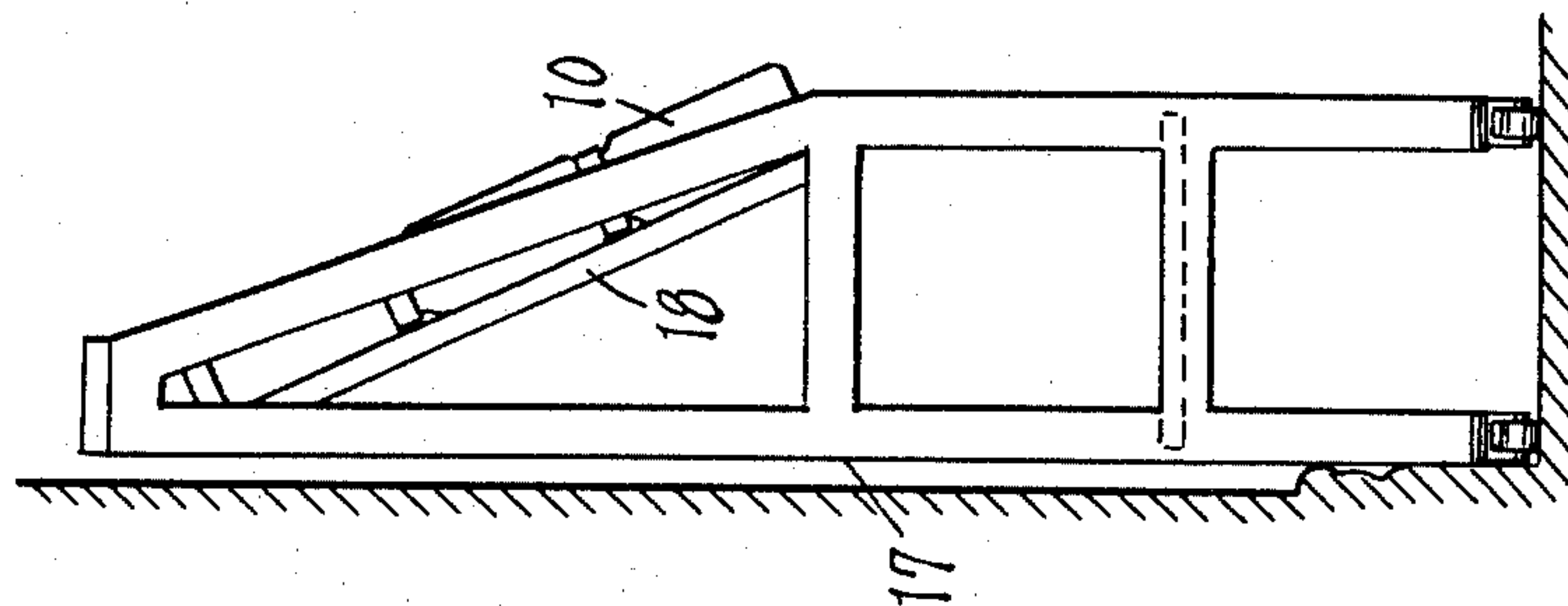
**G. B. PERRY**

**1,961,163**

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2 Sheets-Sheet 2



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## UNITED STATES PATENT OFFICE

1,961,163

## DISPLAY RACK

Guy B. Perry, Battle Creek, Mich.

Application May 18, 1933, Serial No. 671,631

5 Claims. (Cl. 211—74)

The main objects of this invention are:

First, to provide a display rack which is well adapted for the display of merchandise such, for example, as packaged food products, the merchandise being attractively displayed so as to make it easily possible to avoid an accumulation of dead or old stock.

Second, to provide a display rack which is of quite large capacity and readily adapted for the attractive display of a variety of products.

Third, to provide a structure having these advantages which is very simple in structure and at the same time durable and capable of carrying heavy loads.

Objects pertaining to details and economies of my invention will definitely appear from the description to follow. The invention is defined in the claims.

A structure which embodies the features of my invention is clearly illustrated in the accompanying drawings, in which:

Fig. 1 is a perspective view of a combined rack and cabinet or showcase embodying my invention, merchandise being indicated by dotted lines on one side of the rack.

Fig. 2 is a side elevation of the rack.

Fig. 3 is an enlarged fragmentary vertical section on line 3—3 of Fig. 2.

Fig. 4 is an enlarged fragmentary vertical section on line 4—4 of Fig. 2.

Fig. 5 is an enlarged horizontal section on line 5—5 of Fig. 2.

Fig. 6 is an end elevation of a wall rack embodying my invention, it being shown in position relative to a wall.

In the embodiment of my invention illustrated the frame is such as to provide a showcase portion 1 consisting of suitable corner uprights and horizontal connecting pieces supporting the glass panels 2 and the doors 3, also of glass. The structural details of the frame and joints of the parts connecting it are not illustrated as they form no part of this invention.

The rack portion of the frame comprises end members 4 connected by the top 5 which constitutes a shelf or table top. At each side of the frame positioned at the top of the cabinet or show case I provide longitudinal rack bar supporting side rails 6 located on the inside of the upper frame side rails 7. A top rack bar supporting rail 8 is disposed centrally of and longitudinally below the top 5.

In the embodiment shown in Figs. 1 to 5, which is a double rack, I provide opposed sets of vertical inwardly inclined rack bars 9 having beveled

cut lower ends disposed upon the bottom supporting rail 6 and beveled or miter cut upper ends disposed against the sides of the top rail 8. These rack bars are disposed in spaced relation and the spacing may be varied as desired or as required for the particular merchandise to be displayed, a pair of adjacent rack bars constituting holders for a plurality of articles disposed in stacks as indicated at 10 in Fig. 1.

The lower ends of the rack bar are secured by means of angled clips 11, one arm of which is secured to the forward edges of the rack bars by means of the screws 12, the other arms of the clips being secured to the bottom rails by means of screws 13. This permits the attachment of the rack bars in desired spaced relation by the merchant so that they are properly spaced to provide the holders for the particular merchandise which he desires to display, that is, according to the diameter or dimensions of the merchandise. It is possible thus to adjust the bars so that the merchandise is supported in a substantially flush relation, thus presenting an attractive appearance.

The upper ends of the rack bars are secured by the clamping bars 14 which are beveled or undercut at 15 to receive the tip portions of the beveled upper ends of the rack bars. These clamping bars are secured by screws 16 so that the rack bars are secured with a minimum of effort. It is not necessary to remove these retaining bars in order to adjust the rack bars, although it is desirable that they should have an effective securing engagement to prevent rattling or shifting of the upper ends of the bars. This may be had by a wedging action or movement when the bars are adjusted if that is desired.

In the embodiment shown in Fig. 6 the rack has a single set of rack bars 18, this being designed as a wall rack. The structure, however, may be substantially that detailed for the double faced rack.

My improved rack is desirable for grocers and merchants handling similar products. It enables the effective and attractive display of the goods and the entire merchandise of the establishment may be displayed and kept fresh. There is a tendency where merchandise is stored on shelves for only the front packages of merchandise to be kept active, fresh merchandise being filled in at the front to replace sold stock, thus allowing certain stock to remain on the shelves. With this rack this can be guarded against, or, if desired, the new stock may be added to the top of the stacks and the articles removed from the bottom,



that is, a package may be pulled out at the bottom of the stack and the superimposed articles allowed to slip down to replace it.

I have illustrated and described my improvements in embodiments which I have found highly practical. I have not attempted to illustrate various structural modifications and adaptations which might be desirable for different merchandise, or for the making of the parts of metal, or to meet other conditions, as it is believed this disclosure will enable those skilled in the art to embody or adapt my improvements as may be desired.

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

1. In a display rack, the combination of a frame including end members, a top rail mounted upon and extending between said end members, bottom rack bar supporting rails disposed centrally below said top rail, opposed sets of inwardly inclined rack bars having bevel cut upper ends disposed against the sides of said top rail and bevel cut lower ends disposed upon said bottom rails, adjacent pairs of rack bars constituting holders for a plurality of articles disposed in stacks in an inwardly inclined relation, clips secured to the said rack bars and detachably secured to said bottom rails, and retaining bars secured to the sides of said top rail in overlapping relation to the upper ends of said rack bars and coacting with said clips for securing the rack bars in their adjusted positions.

2. In a display rack, the combination of a frame including end members, a top mounted upon and extending between said end members, an outer bottom rack bar supporting rail connected to said end members, an inner top rack bar supporting rail connected to said end members and disposed below said top, upwardly and inwardly inclined rack bars having beveled cut lower ends disposed on said outer bottom rail and beveled cut upper ends disposed against the side of said inner top rail, angled clips having one arm thereof secured to the forward edges of said rack bars

and the other arm thereof detachably secured to the bottom rail, and a retaining bar secured to the side of the top rail in overlapping relation to the upper ends of the rack bars and coacting with the clips for securing the rack bars in their adjusted position.

3. In a display rack, the combination of an inner top rail, an outer bottom rail, means connecting said top rail and bottom rail in assembled relation, upwardly and inwardly inclined rack bars having beveled ends contacting with said top rail and bottom rail, means adjustably securing the lower ends of said rack bars to said bottom rail, and a retaining bar secured to said top rail and overlapping the upper ends of said rack bars for adjustably holding the same, said rack bars being of sufficient width to carry articles in closely adjacent inclined stacks, each rack bar, except the end ones, acting to help support the articles of adjacent stacks.

4. In a display rack, the combination of an inner top rail, an outer bottom rail, means connecting said top rail and bottom rail in assembled relation, upwardly and inwardly inclined rack bars having beveled ends contacting with said top rail and bottom rail, means adjustably securing the lower ends of said rack bars to said bottom rail, and a retaining bar secured to said top rail and overlapping the upper ends of said rack bars for adjustably holding the same, said rack bars being of sufficient width to carry articles in closely adjacent inclined stacks.

5. In a display rack, the combination of an inner top rail, an outer bottom rail, means connecting said top rail and bottom rail in assembled relation, upwardly and inwardly inclined rack bars having beveled ends contacting with said top rail and bottom rail, and means adjustably securing the ends of said rack bars, said rack bars being of sufficient width to carry articles in closely adjacent inclined stacks, each rack bar, except the end ones, acting to help support the articles of adjacent stacks.

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