

A. E. MILLER.
 DISPLAY RACK.
 APPLICATION FILED MAY 15, 1911.

1,055,064.

Patented Mar. 4, 1913.

Fig. 1.

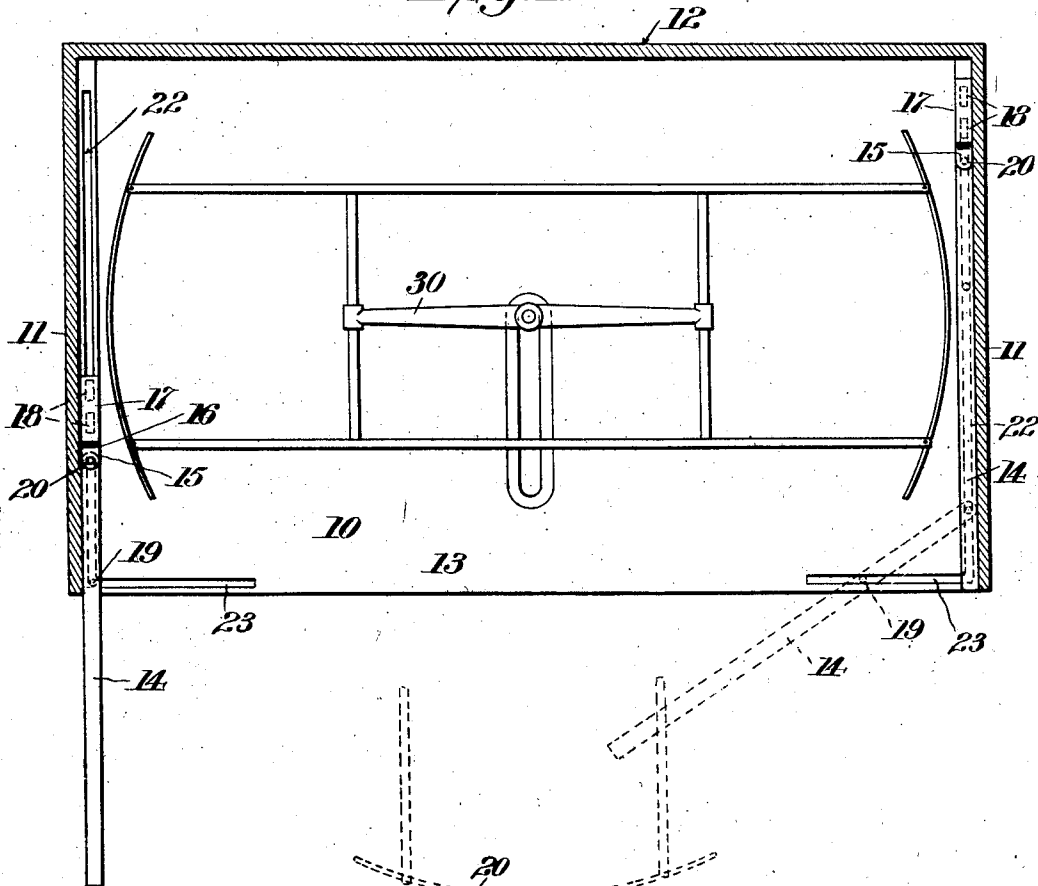


Fig. 2.

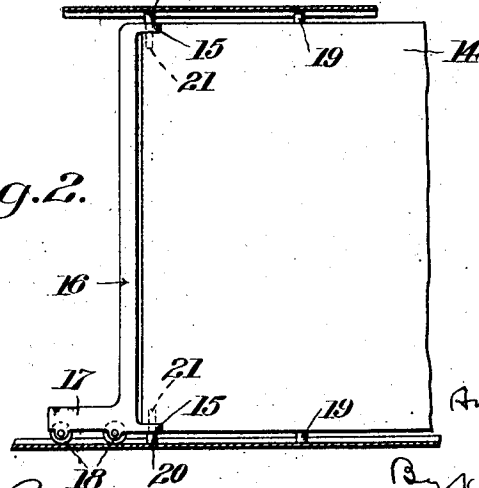
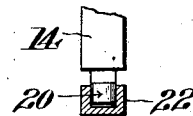


Fig. 3.



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DISPLAY-RACK.

1,055,064.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANDREW E. MILLER, a subject of the King of Great Britain, residing in the city of Baltimore, and State of Maryland, have invented new and useful Improvements in Display-Racks, of which the following is a specification.

This invention pertains to certain new and useful improvements in display racks for garments and the like, and relates more particularly to the case in which the rack is inclosed.

In that class of display racks in which a reciprocable rack member is mounted in a case, it is customary to provide the case at the front with doors which are swung to open and then slid inside the case adjacent the sides of the latter. Or else the doors are hinged to the case in the usual manner. In either form considerable floor space is required to permit the swinging of the doors, and one of the objects of the present invention is to provide improved means for reducing the space required in front of the case for the manipulation of the doors.

A further object is to provide improved means for supporting the doors.

The invention will be hereinafter fully set forth and particularly pointed out in the claims.

In the accompanying drawing:—Figure 1 is a plan view of a display rack and its inclosing casing, illustrating my invention. Fig. 2 is a detail illustrating the door supporting carriage. Fig. 3 is a detail.

Referring to the drawings, 10 designates a case provided with side walls 11, a back wall 12, and a front opening 13, closed by doors 14. Each door is pivotally mounted between forwardly projecting ears 15 located at the upper and lower ends respectively of a bar 16, the lower end of said bar being also provided with a rearward extension 17 forming a carriage provided with supporting rollers 18. The bar 16 and carriage 17 may be made integral to form an approximately L-shaped support for the door as shown. The top and bottom edges of each door are provided with pins or rollers 19 adjacent the middle of the door, and the lugs 15 are provided with pins or rollers 20 opposite the pivot pins 21. The pins or rollers 19, 20 work in grooves or slots 22 formed in the top and bottom walls, re-

spectively of the case, and parallel with the side walls, each of said grooves being provided with an angular branch 23, parallel with and contiguous to the front edge. The carriage 17 reciprocates in a suitable guideway above groove 22.

A display rack 30 is conventionally illustrated in Fig. 1, the same being adapted to be moved forwardly when the doors are opened, to permit a display of the garments supported thereby. The form of display rack, and the means for reciprocating the same are immaterial and further description thereof is considered unnecessary.

In practice assuming the doors are closed as indicated in dotted lines, Fig. 1, they are first moved into the position indicated at *a*, the pins or rollers 19 of each door sliding in the branch grooves or slots 23 and the pins or rollers 20 in the grooves or slots 22. The pins or rollers 19, 20 continue to move in their respective grooves or slots until the door assumes the position indicated in full lines on the left of the case whereupon it is moved in parallel with the adjacent side wall 11. In closing the foregoing operation is reversed.

From the foregoing it will be observed that the weight of each door is supported by its carriage 17, and that instead of requiring space to permit a full length swing of the door, only such space is required as will permit the swinging of a door equal in length to the distance from lug or roller 19 to the free end of the door.

Having thus explained the nature of my invention and described an operative manner of constructing and using the same, although without attempting to set forth all of the forms in which it may be made or all of the forms of its use, what I claim is:—

1. The combination with a case having grooves therein each provided with an angular branch, of an upright bar provided at its upper end with an overhanging forwardly projecting lug and at its lower end with a second forwardly projecting lug, said bar being also provided at its lower end with a rearward projection forming a carriage, rollers supporting said carriage, pivot pins carried by said forwardly projecting lugs and engaging the main portions of said grooves, a door, pivot pins for said door also carried by said forwardly projecting

lugs, and additional pins carried by the door to engage the angular branches of said grooves.

2. The combination with a case having
5 grooves therein each provided with an angular branch, of an L-shaped supporting member provided at its upper end with an overhanging forwardly projecting lug and at its lower end with a second forwardly
10 projecting lug, supporting rollers connected with the L-shaped portion of said member, pivot pins carried by said forwardly pro-

jecting lugs and engaging the main portion of said grooves, a door, pivot pins for said door also carried by said lugs, and additional pins carried by the door to engage the angular branches of said grooves. 15

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ANDREW E. MILLER.

Witnesses:

JOHN J. WAGNER,

LEE I. HECHT.