

(Model.)

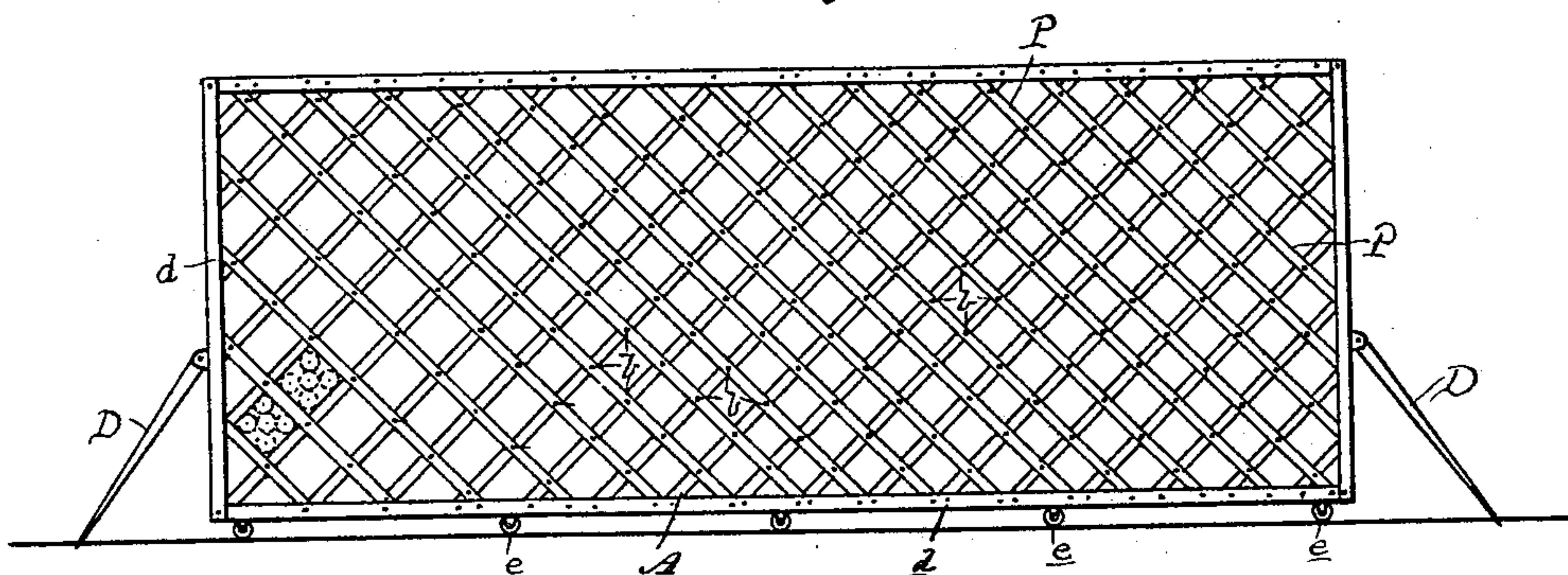
T. W. RYAN.

RACK.

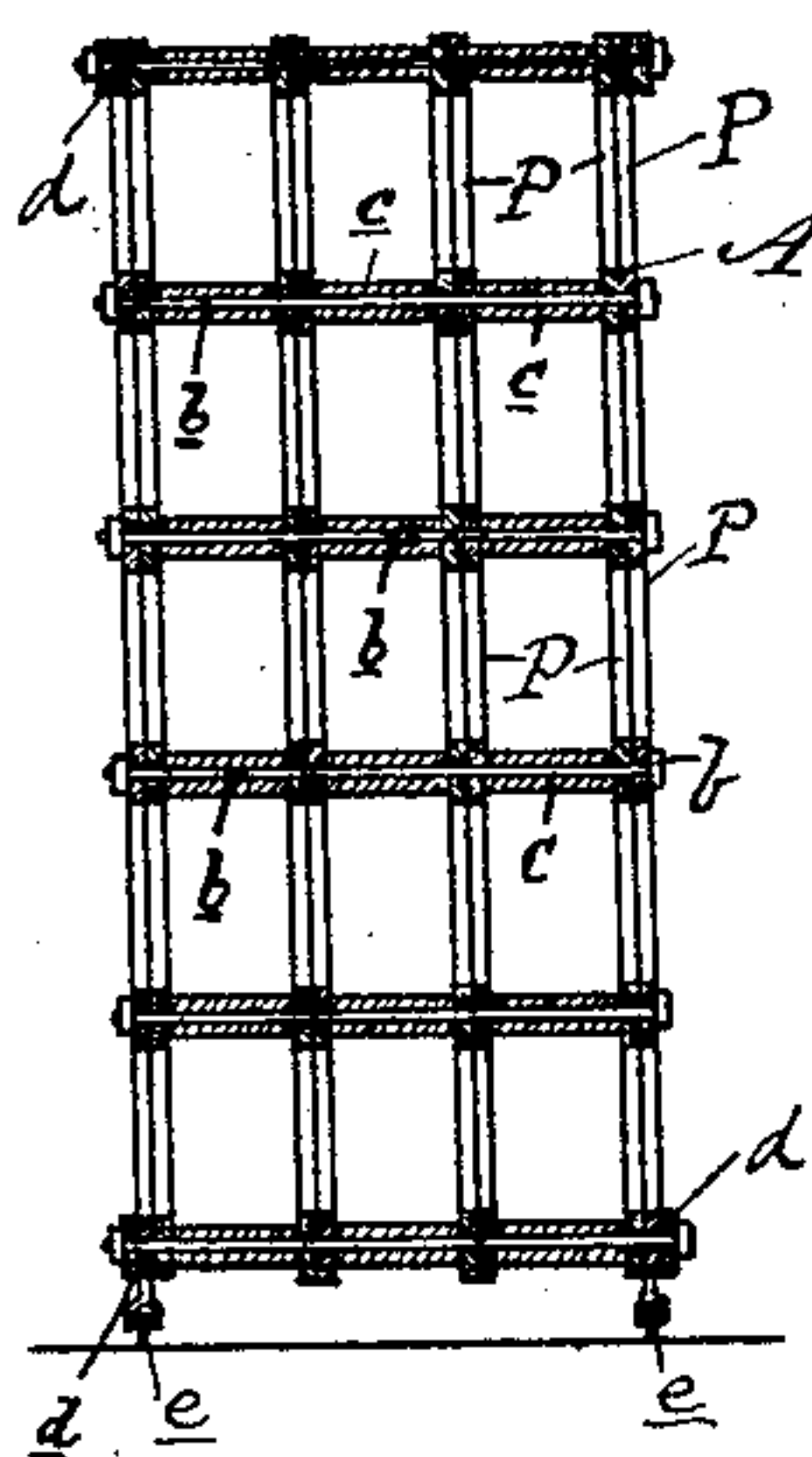
No. 366,739.

Patented July 19, 1887.

*Fig. 1*



*Fig. 2*



*Attest:*

*John Schuman.*  
*Charles J. Hunt*

*Inventor:*

*Thomas W. Ryan.*

*by his Atty*

*Ph. S. Sprague*

# UNITED STATES PATENT OFFICE.

THOMAS W. RYAN, OF ST. CLAIR, MICHIGAN.

## RACK.

SPECIFICATION forming part of Letters Patent No. 366,739, dated July 19, 1887.

Application filed April 21, 1887. Serial No. 235,719. (Model.)

*To all whom it may concern:*

Be it known that I, THOMAS W. RYAN, of St. Clair, in the county of St. Clair and State of Michigan, have invented new and useful  
5 Improvements in Racks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

10 This invention relates to a new article of manufacture which I consider to be new and useful. For the stowage of bottles, wall-paper, and other articles of merchandise open-  
15 ended racks of a costly character, rigid, and heavy are erected. If removal becomes necessary, it is usually the case that such racks must be taken to pieces in order to facilitate the operation. This removal therefore be-  
comes vexatious and costly.

20 The object of the present invention is to so construct a rack for the purposes mentioned and those of an analogous kind that it will be comparatively inexpensive to build, will be light, easily moved, and capable of being  
25 folded into a small space for shipment.

The invention consists in the peculiar construction of the various parts and their combination in a new article of manufacture, as more fully hereinafter described, shown, and  
30 claimed.

Figure 1 is a front elevation of my improved rack as it appears in use. Fig. 2 is a cross-section of the same at any of the points of intersection of a series of the bars.

35 In the drawings which accompany and form a part of this specification, A represents what is usually denominated "lazy-tongs," composed of as many crossing slats P as may be desired, and they are constructed in the usual  
40 way, except that the pivotal points of intersection are secured together by long bolts b instead of the usual rivets. The length of these bolts depends upon how many of these lazy-tongs are to be employed to give the desired depth to the "pigeon-holes" or com-  
45 partments of the rack. For instance, for a bottle-rack the number of these lazy-tongs

should be less than the number employed for a wall-paper rack, so that the number should be proportioned to the depth required in the  
50 compartments. The required number of such tongs being prepared, each being a perfect counterpart of the other, the slats forming the same are secured together at their points of intersection by the bolts b. A thimble, c, is  
55 sleeved upon each bolt to hold the lazy-tongs apart, so that if four of such tongs were employed with thimbles an inch in length the required depth of about six inches would be  
60 had, which would be the depth proper for the stowage of ordinary bottles upon the sides thereof, and leaving the necks protruding from the compartments. For the stowage of  
wall-paper a greater number of such tongs would be required, connected by longer bolts  
65 and intervening thimbles.

In order to hold the rack in its extended position, I sometimes secure around the edge, as shown in Fig. 1, a light frame or strips, d, which can be secured in place by simply re-  
70 moving the nuts from the bolts b, slipping the strips d (which should be provided with holes for that purpose) over the ends of the bolts, and replacing the nuts. When the rack is to be packed for shipment or for other purposes,  
75 the frame is removed. Casters e may be secured to the bottom one of these strips, or to the slats P, as may be desired, for the purpose of raising the rack from the floor. Dogs  
80 D are pivoted to the end strips, d, for the purpose of anchoring the rack in any desired position; but when the casters are not used the dogs will not be necessary.

What I claim as my invention is—

A new article of manufacture consisting of  
85 a number of lazy-tongs, the intersections of each being secured pivotally together by bolts common to all the tongs, and upon which thimbles are sleeved to hold the sections of the rack apart, substantially as described.

THOMAS W. RYAN.

Witnesses:

WM. BLACK,  
J. H. JONES.