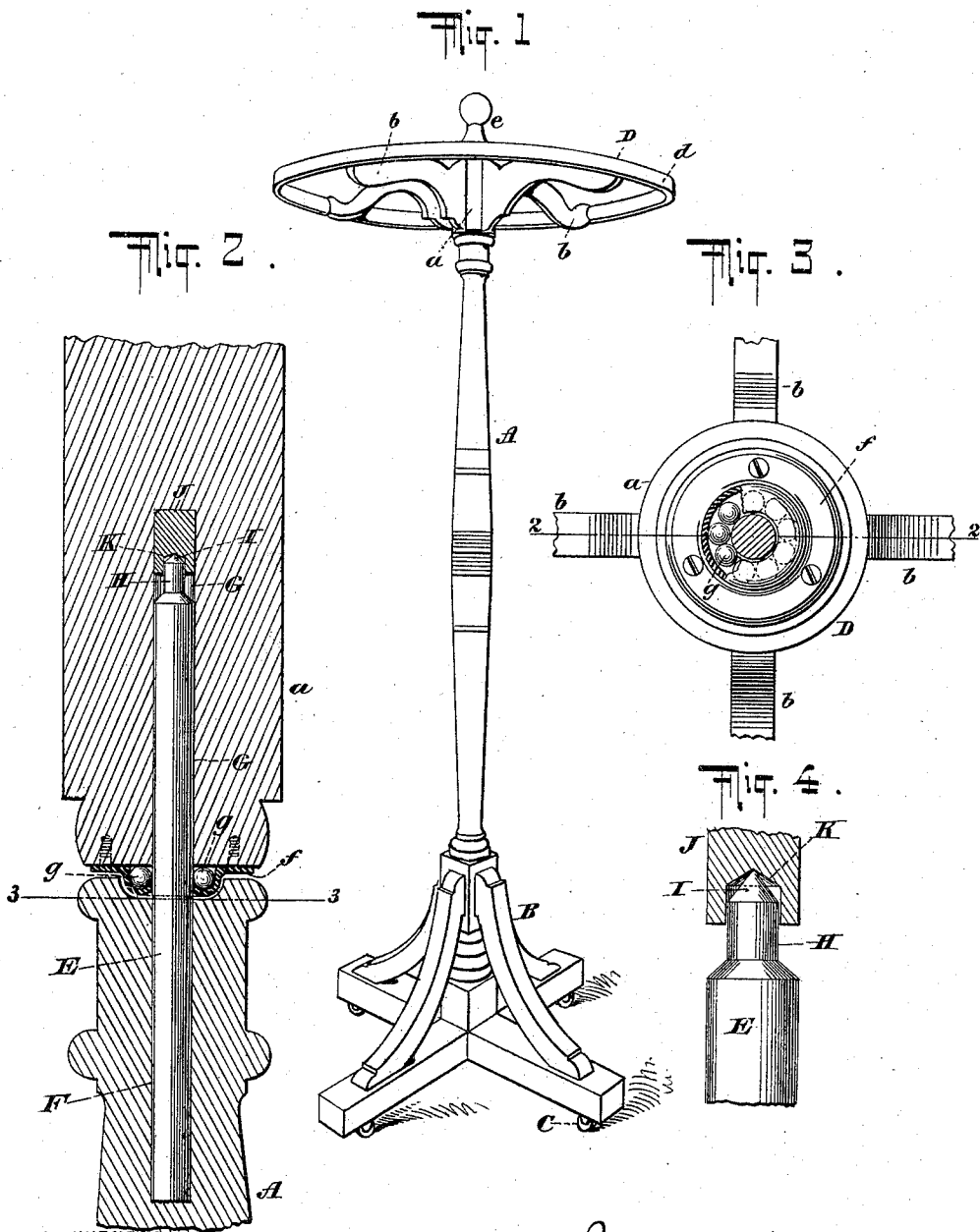


(No Model.)

J. & W. BARDSLEY.
DISPLAY RACK.

No. 582,135.

Patented May 4, 1897.



WITNESSES:
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JOSEPH BARDSLEY, OF MONTCLAIR, AND WILLIAM BARDSLEY, OF
KEARNEY, NEW JERSEY.

DISPLAY-RACK.

SPECIFICATION forming part of Letters Patent No. 582,135, dated May 4, 1897.

Application filed November 27, 1896. Serial No. 613,511, (No model.)

To all whom it may concern:

Be it known that we, JOSEPH BARDSLEY, residing at Montclair, Essex county, and WILLIAM BARDSLEY, residing at Kearney, Hudson county, New Jersey, citizens of the United States, have invented certain new and useful Improvements in Display-Racks, of which the following is a specification.

The invention relates to improvements in display-racks; and it consists in the construction hereinafter described, and more particularly pointed out in the claims.

The invention will be fully understood from the detailed description hereinafter presented, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a display-rack constructed in accordance with and embodying the invention. Fig. 2 is an enlarged central vertical section through a part of the upper portion of same on the dotted line 2 2 of Fig. 3. Fig. 3 is a bottom view, partly broken away and in section, looking upward at the upper portion of same above the dotted line 3 3 of Fig. 2; and Fig. 4 is an enlarged detached vertical section of a portion of the structure constituting the invention and hereinafter specially referred to.

In the drawings, A designates a usual standard mounted upon the base B, having casters C, and D denotes a revoluble frame mounted upon the upper end of said standard A and adapted to receive along its periphery garments or other articles or materials to be hung and displayed therefrom. The frame D comprises a central hub *a*, radial arms *b*, extending outward from said hub, and an inclosing rim *d*, supported upon the outer ends of said radial arms *b*. When desired, the upper end of the hub *a* is ornamented by a knob *e*.

The present invention pertains particularly to means for supporting the frame D upon the upper end of the standard A, and such means comprises the pin E, which is seated in the socket F of the standard A and extends centrally upward into the socket G, formed in the hub *a* of the frame D, as shown in Fig. 2. The upper portion of the pin E snugly, though freely, fills the socket G, and at its upper extremity is reduced to form the

pivot H, having a pointed or conical end or point I, as more clearly illustrated in Fig. 4, and in the upper end of the socket G is located the metal bearing J, receiving the upper portion of the pivot H and provided with the conical recess K, the inclination of the sides of this recess being less than that of the sides of the conical end or point I of said pivot H, whereby the bearing of the frame D is confined at the one pivot-point at the upper end of the said pivot H. The lower end of the hub *a* does not bear upon the upper end of the standard A, but said hub has its downward bearing upon the point at the upper end of the pivot H, and hence it will be apparent that the frame D may be freely revolved with the minimum effort.

The sides of the socket G do not bind against the upper portion of the pin E, but are free to move around the same, and in order that during the revolving motion of the frame D there shall be created the least amount of friction there is provided upon the lower end of the hub *a* the cup *f*, encircling the pin E and containing the series of balls *g*, whose arrangement with relation to the pin E is clearly illustrated in Figs. 2 and 3 and whose purpose is to contact with the vertical sides of the pin E and cooperate with the pivot-point H in preventing friction between the hub *a* and pin E during the revoluble motion of the frame D. In the absence of the balls *g* the walls at the lower end of the socket G would naturally from time to time contact with the side surfaces of the pin E, but with the use of the cup *f* and series of balls *g* the surfaces at the lower end of the socket G are kept from contact with the pin E, and hence it will be apparent that the frame D contacts with the pin E only upon the pivot-point I and at the balls *g*, thus reducing the contacting of the parts to a minimum and almost entirely preventing friction.

If desired, the pin E may have its shank end within the hub *a* to engage the bearing J, which would then be within the socket F, and the cup *f* would then be secured to the standard A, this being simply a reversal of parts within our invention.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The display-rack hereinbefore described comprising the standard A having the socket formed within its upper end and provided with the supporting-base B at its lower end, 5 and the revoluble frame consisting of the central hub *a* provided with the interior socket, the radial arms *b* extending outward from said hub and the circular rim *d* supported on the outer ends of said arms, combined with 10 the pin E in one of said sockets and having its pointed end I projected outward therefrom and into the other socket, the recessed metal bearing J in said other socket to receive the point of said pin, and the series of 15 balls forming a bearing for the sides of said pin; substantially as described.

2. The display-rack hereinbefore described comprising the standard A having the socket formed within its upper end and provided 20 with the supporting-base B at its lower end, and the revoluble frame consisting of the cen-

tral hub *a* provided with the interior socket, the radial arms *b* extending outward from said hub and the circular inclosing rim *d* supported on the outer ends of said arms, combined with the pin E seated in the socket of said standard and having its pointed end extended into the socket of said hub, the metal bearing J in the socket of said hub to receive the pointed end of said pin, the cup *f* secured 30 upon the lower end of said hub, and the series of balls *g* in said cup and contacting with the sides of said pin; substantially as set forth.

Signed at New York, in the county and State of New York, this 25th day of November, 1896. 35

JOSEPH BARDSLEY.
WILLIAM BARDSLEY.

Witnesses:

E. JOS. BELKNAP,
CHAS. C. GILL.