No. 891,842. PATENTED JUNE 30, 1908.

J. R. LANE.

RACK FOR TOWELS.

APPLICATION FILED AUG. 30, 1906.

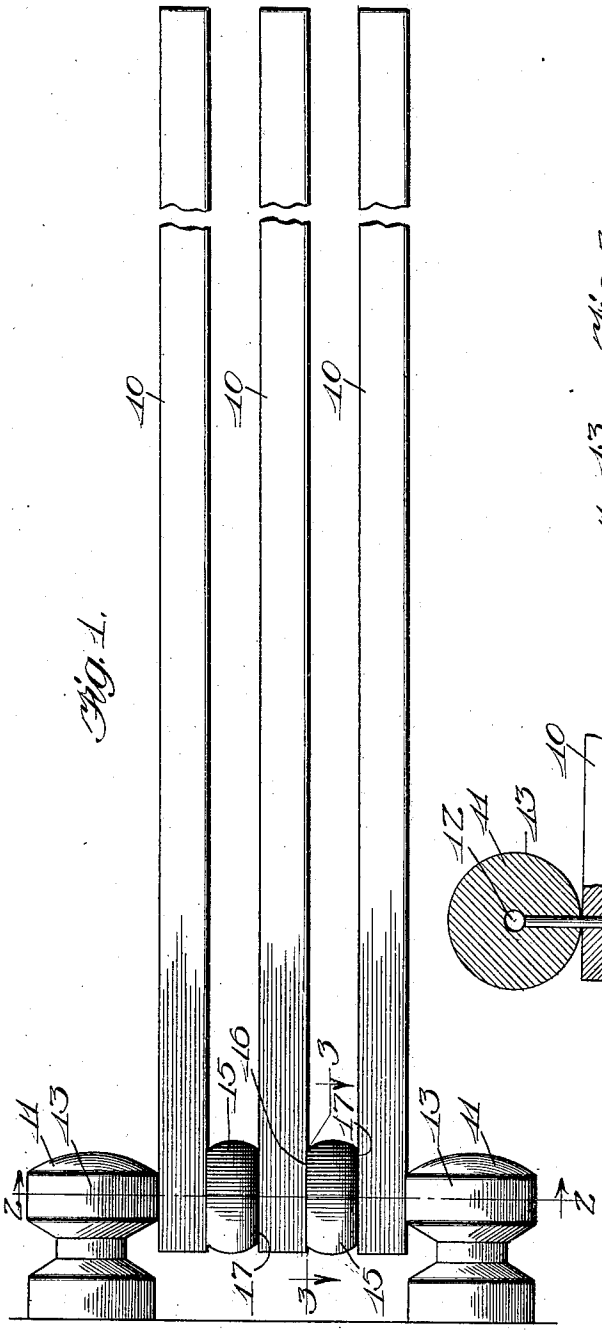


Fig. 1.

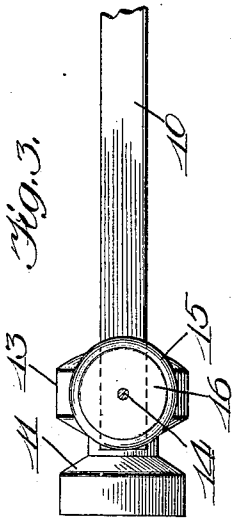


Fig. 3.

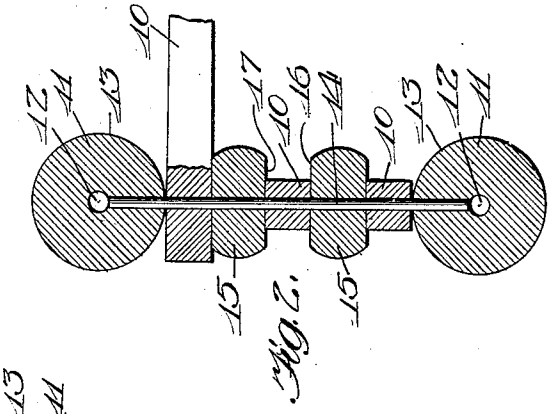


Fig. 2.

Witnesses:
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UNITED STATES PATENT OFFICE.

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RACK FOR TOWELS.

No. 891,842. Specification of Letters Patent. Patented June 30, 1908.

Application filed August 30, 1906. Serial No. 332,571.

To all whom it may concern:

Be it known that I, JAMES R. LANE, a citizen of the United States, residing at Ludington, in the county of Mason and State of Michigan, have invented certain new and useful Improvements in Racks for Towels and the Like, of which the following is a full, clear, and exact specification.

This invention relates to improvements in racks for towels and the like, and more particularly to that type of racks comprising a plurality of pivotally-supported and horizontally-swinging arms, and the primary object of the invention is to construct an improved device of this character in which the arms are provided with an extended bearing around their pivot points.

A further object is to construct an improved device of this character in which the arms are separated by spacing blocks or members, which latter form extended bearing surfaces entirely around the pivot point.

A further object is to provide an improved device of this character which is simple, cheap and strong in construction, easily assembled and efficient in operation.

To the attainment of these ends and the accomplishment of other new and useful objects, as will appear, the invention consists in the features of novelty in the construction, combination and arrangement of the several parts hereinafter more fully described and claimed, and shown in the accompanying drawing illustrating an exemplification of the invention, and in which,—

Figure 1 is an elevation of a rack constructed in accordance with the principles of this invention; Fig. 2 is a sectional view on line 2—2 of Fig. 1, and a portion of one of the arms, the arm being turned to one side; and Fig. 3 is a sectional view on line 3—3 of Fig. 1.

Referring more particularly to the drawing, the numeral 10 designates a plurality of arms, which are preferably square in cross section and of a uniform diameter and configuration throughout their entire length.

The numeral 11 designates two supports, preferably in the shape of knobs or buttons, each of which is provided with an aperture or opening 12 passing therethrough. These knobs or buttons 11 are spaced from each other, and are connected by means of a rod or pin 14, the ends of which extend into the body thereof, preferably through the cylindrical face 13, and each one is provided with an extended cylindrical peripheral bearing-face 13.

One end of each of the arms 10 is arranged between the knobs or buttons 11, and they are pivotally supported by means of a rod or pin 14 which passes loosely therethrough, at a point remote from one end of the arms, so that the extremity of said end will project beyond the pivot point.

Suitable spacing members or blocks 15 are arranged between the pivoted ends of the arms 10, and through which the rod or pin 14 passes. These members or blocks may be of any desired size and configuration, but are preferably cylindrical, and are provided with flat upper and lower bearing faces 16—17, which surround the pin or rod 14 and project beyond and are of a greater diameter than the diameter of the adjacent ends of the arms 10. These parts may be assembled in any suitable manner, and when assembled the upper and lower arms 10 will engage the plane bearing faces 13, respectively of the upper and lower knobs or buttons 11. The intermediate arms are spaced from each other and supported by the blocks or members 15, and all are held together by means of the rod or pin 14 passing loosely therethrough, with its ends projecting into the knobs or buttons 11.

It will thus be seen that the arms may be rotated about their pivots, and that the faces 16—17 of the spacing blocks or members 15 form extended bearing surfaces for the pivotally supported ends of the arms, throughout their entire pivotal movement. This arrangement will form a rigid support for the ends of the arms, and will prevent the weight of the article on the free ends of the arms from splitting the pivotal ends of the arms or straining the pivot rod or pin 14.

The rack may be secured and supported in position in any desired or suitable manner, preferably by means of a screw or nail (not shown) which passes through the aperture 12 in each of the knobs or buttons 11, and into a suitable support.

By constructing the arms angular throughout their entire length and of a uniform configuration, the necessary flat bearing surfaces are formed at the extremities thereof, and considerable time, together with the expense of specially shaping the ends of the arms, is avoided.

In order that the invention might be fully understood, the details of an embodiment

thereof have been thus specifically described, but what I claim as new is,—

In a device of the class described, the combination of a plurality of arms, spacing members arranged between the arms adjacent one end thereof, a pivot pin passing through the arms and the members for securing the same together, said arms being provided with flat faces, and said members being provided with flat bearing faces surrounding the pivot pin, and with which the flat faces of the arms engage, the bearing faces of the members being of a larger diameter than the engaging ends of the arms, whereby the ends of said arms will always remain in engagement with and be supported by the said faces in any position to which the arms may be moved about their pivots and supporting members engaging the ends of the pivots beyond the arms, each of said members having a cylindrical bearing surface engaging the outermost arms adjacent their pivots and remote from the extremities thereof.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 27th day of August A. D. 1906.

JAMES R. LANE.

Witnesses:
E. H. HOLLISTER,
A. H. DAY.