

No. 887,715.

PATENTED MAY 12, 1908.

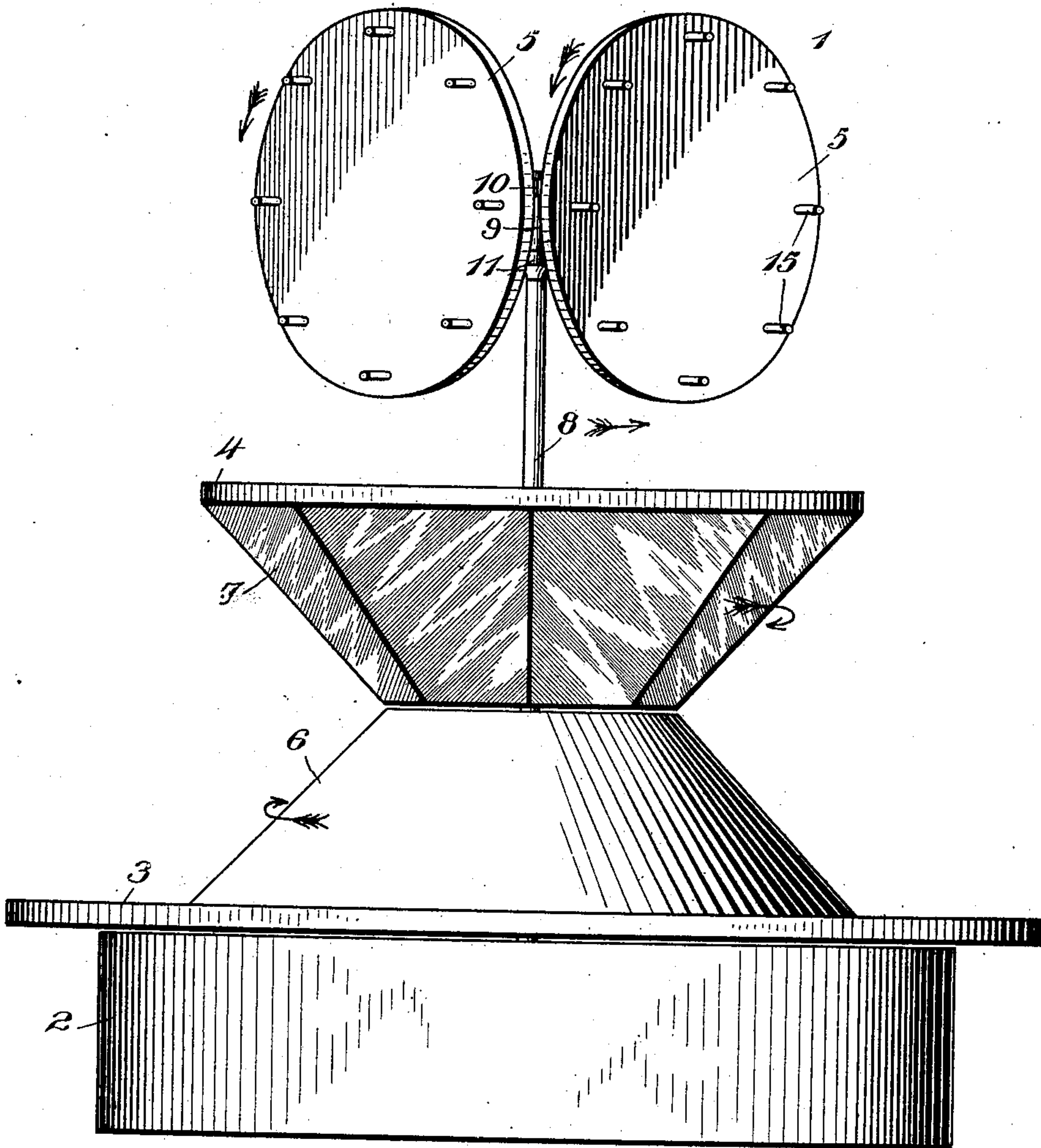
J. T. XANDER.

DISPLAY RACK.

APPLICATION FILED NOV. 15, 1907.

2 SHEETS—SHEET 1.

*Fig. 1.*



Witnesses

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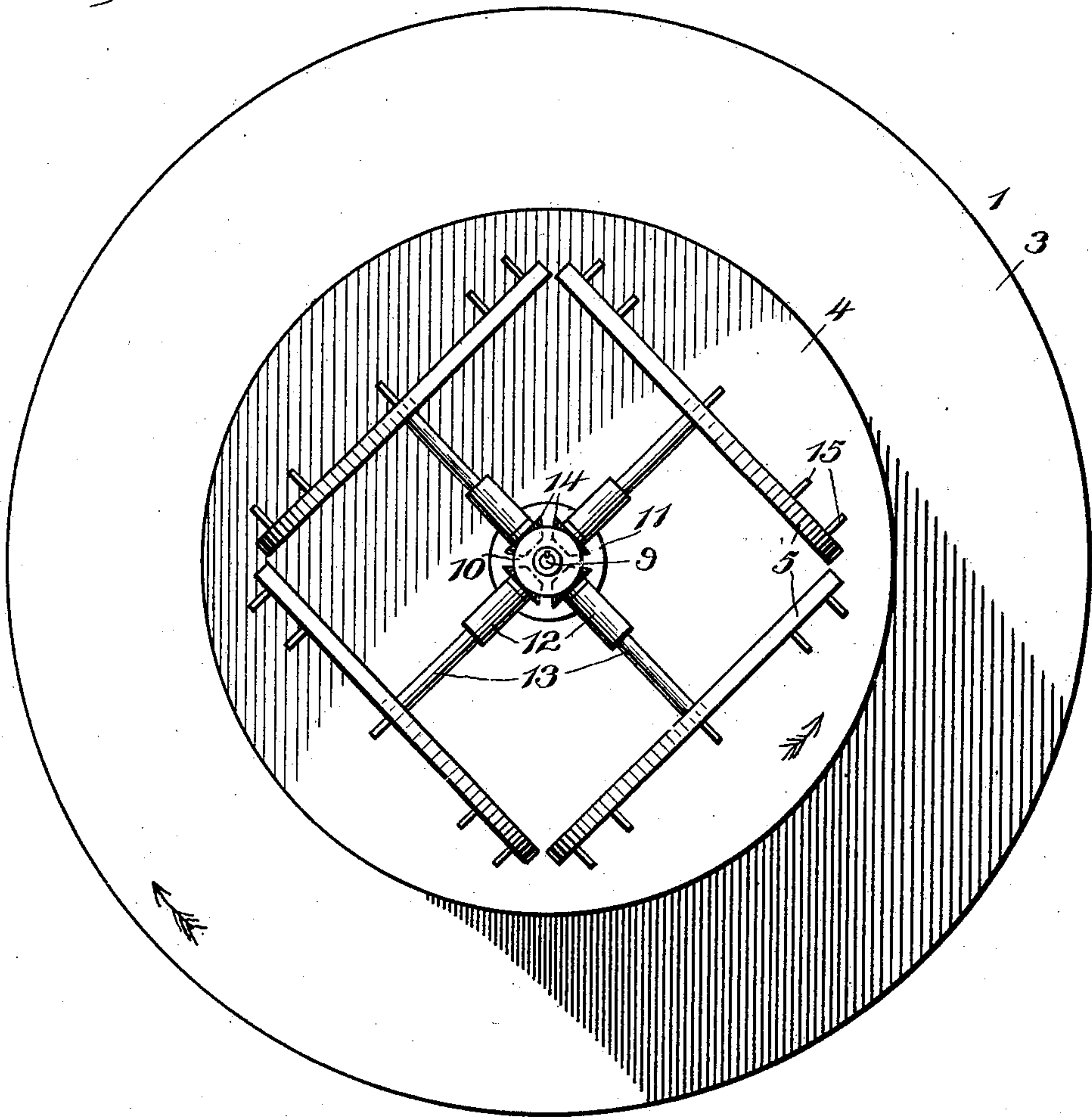
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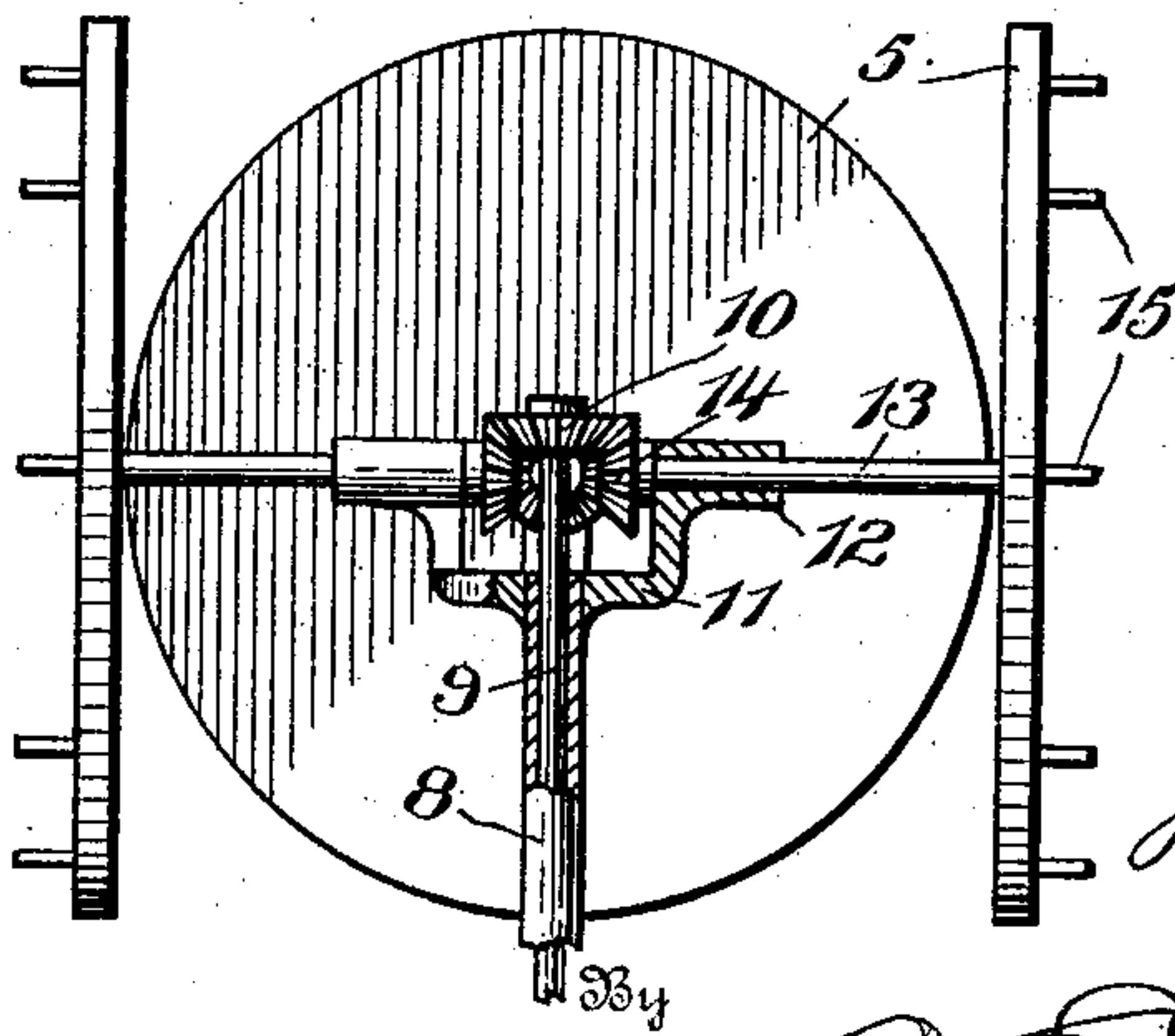
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2 SHEETS—SHEET 2.

*Fig. 2.*



*Fig. 3.*



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# UNITED STATES PATENT OFFICE.

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TO MARY ELLEN XANDER, OF SOUTH BETHLEHEM, PENNSYLVANIA.

## DISPLAY-RACK.

No. 887,715.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed November 15, 1907. Serial No. 402,316.

*To all whom it may concern:*

Be it known that I, JONATHAN T. XANDER, a citizen of the United States, residing at South Bethlehem, in the county of Northampton and State of Pennsylvania, have invented certain new and useful Improvements in Display-Racks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to display racks and has for its object to provide a device of this kind wherein the parts of the display rack rotate in three directions.

A further object of my invention is to provide a display rack having three motions, which motions can be imparted by a single motor.

With these objects in view my invention consists in the novel construction of the display rack and in the novel mechanism and arrangement of the parts providing for three motions of the rack.

My invention also consists in certain other novel features of construction and in combinations of parts all of which will be first fully described and afterwards specifically pointed out in the appended claims.

Referring to the accompanying drawing: Figure 1 is an elevation of a display rack constructed in accordance with my invention. Fig. 2 is a plan view of the display rack, and Fig. 3 is a detail view showing the rotating disks and mechanism for rotating the same. Like numerals of reference indicate the same parts throughout the several figures in which:

1 indicates the display rack comprising a base 2, lower rotating table 3, upper rotating table 4 and rotating and revolving disks 5. Within the base 2 a suitable motor can be arranged, or the device may be driven by external power. Upon the lower rotating table 3 I provide a frustum shaped mound 6 upon which goods are placed for display, and upon the upper rotating table 4 I provide a reflecting frustum 7 which is composed of any number of mirrors.

8 indicates a central shaft to which the upper rotating table 4 is secured, said table 4

rotating with said shaft 8. The lower rotating table 3 can be made to revolve in an opposite direction from that of the upper table 4 by means of any suitable mechanism.

Referring to Figs. 2 and 3 it will be seen that I provide preferably four rotating and revolving disks 5. The shaft 8 being hollow I provide therein a stationary shaft or rod 9 and upon said stationary rod I arrange a beveled pinion 10. Upon the shaft 8 and near the upper end thereof I secure a bracket 11 having arms 12 for journaling the shafts 13 of the disks 5; and upon the inner end of each shaft 13 I provide a beveled pinion 14, each beveled pinion 14 meshing with the pinion 10 as clearly shown. I provide each of the disks 5 with suitable pins or hooks 15 to receive goods for display.

Having thus fully described the several parts of my invention its operation is as follows: By means of any suitable motor or other mechanism the lower table 3 is revolved in one direction, while the shaft 8 is revolved in the opposite direction. Said shaft 8 carrying the upper table 4 rotates said table 4 in the direction opposite to the rotation of the lower table 3 and the bracket 11 carrying the disks 5 being secured to the shaft 8, said bracket and disks 5 are rotated with said shaft. The shafts 13 of the disks 5 having thereon beveled pinions 14 in mesh with the stationary pinion 10 a revolving motion is imparted to said disks 5 as well as a rotating motion; consequently when power is applied to the display rack, either by means of a suitable motor contained in the base 2, or by means of external power the lower table 3 rotates in one direction; the upper table 4 rotates in an opposite direction, and the disks 5 rotate in the same direction as the upper table 4 and revolve as they rotate.

While I have shown and described four rotating and revolving disks 5 it is of course clearly evident that any suitable number of rotating and revolving disks can be arranged in the manner shown and described.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent of the United States is:

1. A display rack of the character described comprising a lower rotatable table, an upper rotatable table, and a rotatable and revoluble disk above said upper rotatable table, substantially as described.

2. A display rack of the character de-



scribed comprising a lower rotatable table, an upper rotatable table, and a series of rotatable and revoluble disks above said upper rotatable table, said tables and said disks being arranged to receive goods for display substantially as described.

3. A display rack of the character described comprising a rotatable table and a rotatable and revoluble disk arranged above said rotatable table, said rotatable table and rotatable and revoluble disk being arranged to receive goods for display, substantially as described.

4. A display rack of the character described comprising a lower rotatable table, an upper rotatable table, a series of rotatable and revoluble disks above said upper rotatable table, a shaft for rotating one of said rotatable tables, said shaft carrying said rotatable and revoluble disks, a stationary pinion associated with said rotatable and revoluble disks, a pinion for each of said rotatable and revoluble disks and in mesh with said first mentioned pinion for imparting a revolving motion to said disks, substantially as described.

5. A display rack of the character de-

scribed comprising a rotatable table, a series of rotatable and revoluble disks associated with said rotatable table, a shaft for rotating said disks, and means for imparting to said disks a revolving motion, substantially as described.

6. A display rack of the character described comprising a lower rotatable table, an upper rotatable table and a rotatable disk upon said upper rotatable table, the axis of said disk being at right angles to the axis of said upper rotatable table, said rotatable tables and rotatable disk being arranged to receive goods for display.

7. A display rack of the character described comprising a rotatable table and a rotatable disk associated with said rotatable table, the axis of said rotatable disk being substantially at right angles to the axis of said rotatable table, substantially as described.

In testimony whereof, I affix my signature, in presence of two witnesses.

JONATHAN T. XANDER

Witnesses:

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DANIEL FRIEBELY.