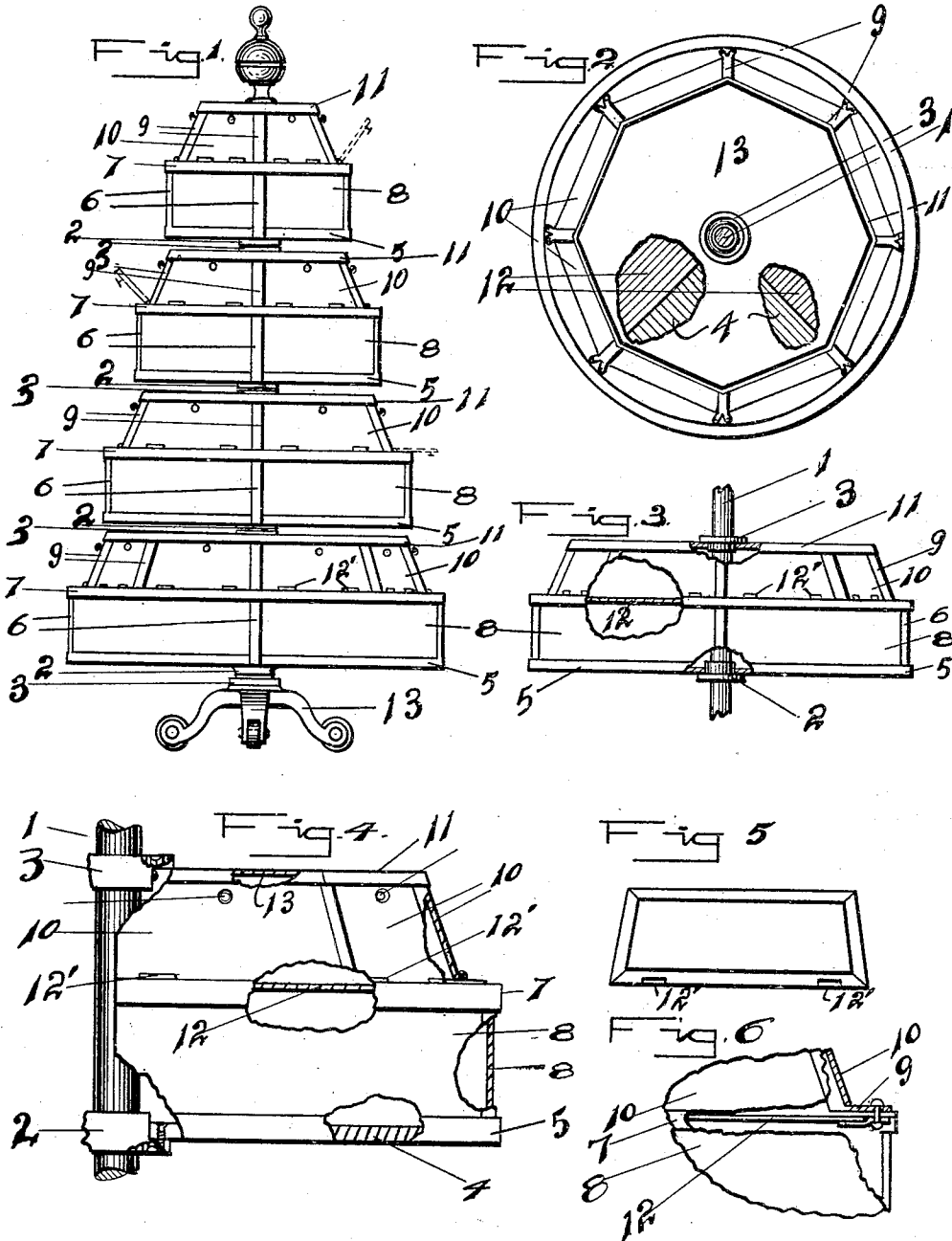


F. N. ROBINSON.
REVOLVING STAND.
APPLICATION FILED DEC. 28, 1908.

931,961.

Patented Aug. 24, 1909.



Witnesses.

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UNITED STATES PATENT OFFICE.

FRANK N. ROBINSON, OF PORTLAND, OREGON.

REVOLVING STAND.

931,961.

Specification of Letters Patent. Patented Aug. 24, 1909.

Application filed December 28, 1908. Serial No. 469,652.

To all whom it may concern:

Be it known that I, FRANK N. ROBINSON, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented a new and useful Revolving Stand, of which the following is a specification.

My invention consists of a series of sections of cylinders of a gradation of sizes of which the largest one is placed at the bottom and the next in size are placed each above the other, all rotating about a shaft, but each independent of the others. On the upper portion of each of these sections of cylinders is placed another section but having a multiple of sides, said sides being hinged on their lower edges so made that they may be opened or closed at the will of the attendant. This upper section is made to also rotate about said upright shaft being supported by the upper portion of the sectional cylinder. At the lower extremity of each upper section is placed a shelf which also rotates about the upright shaft. To allow access to the section of cylinder it does not make a complete circumference, but instead allows entrance through two adjacent sides of the upper section. This shelf is secured to the upper sections. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the entire stand showing the parts in place and their relation to each other. Fig. 2 is a top view of the lower sections. Fig. 3 is the side view of the same. Fig. 4 is an enlarged view of one of the sections to better illustrate its construction. Fig. 5 is a view of the hinged member which allows for access into the upper members having multiples of sides. Fig. 6 illustrates the method of supporting the shelf.

Similar numerals refer to similar parts throughout the several views.

1 is the upright shaft around which the various sections rotate.

2 are flanged members which rotate about the upright shaft and to which the bottoms of the sections of cylinders are rigidly fastened. 3 is another flanged member which is rigidly fastened to shaft. Member 2 has an annular groove on its under side. Member 3 has an annular groove on its upper side. When members 2 and 3 are in place the annular grooves allow for the insertion of balls of the customary type.

4 is the bottom of the sections of cylinders.

5 is a band surrounding 4 but wider than the thickness of 4, the projection being on its upper side.

6 is a strip connecting 5 and 7.

8 is one of the sections composing the casing and is preferably made of a transparent material. Where the different sections of 8 are joined together 6 is used to cover this joint and to also hold 5 and 7 in their proper positions.

9 are corner strips for supporting 11 and 7 in their proper positions.

10 are doors which allow access to the inner side of the sections, they being hinged on their lower edges as shown at 12.

12 is a rotary shelf between each pair of sections.

13 is the base to which the upright shaft is rigidly fastened, thus preventing it from rotating within said base.

I am aware that prior to my invention revolving stands have been made consisting of a series of cylinders mounted upon a vertical shaft in such a manner that access may be had into them. I therefore do not claim such a combination broadly; but

I claim:

1. In a revolving stand, the combination of a vertical shaft, pairs of bearing members surrounding the shaft and one of each pair being secured thereto, and a plurality of pairs of compartment sections supported by the respective pairs of bearing members, each pair comprising a lower cylindrical section, an upper polygonal section having hinged doors, and a rotary shelf separating the sections.

2. A revolving stand comprising a plurality of double compartment sections, each of which includes a lower cylindrical section having transparent walls and vertical supporting strips, a polygonal upper section having on each side a door hinged at its lower edge, and a horizontal rotary shelf between the polygonal and cylindrical sections.

In testimony that I claim the foregoing as my own and in witness thereof I hereunto attach my signature in the presence of two witnesses.

FRANK N. ROBINSON.

Witnesses:

C. R. LISLE,
W. A. GRONDAHL.