J. H. SELLERS.

REVOLVING BIN.

APPLICATION FILED MAR. 8, 1920.

1,369,135. Patented Feb. 22, 1921.

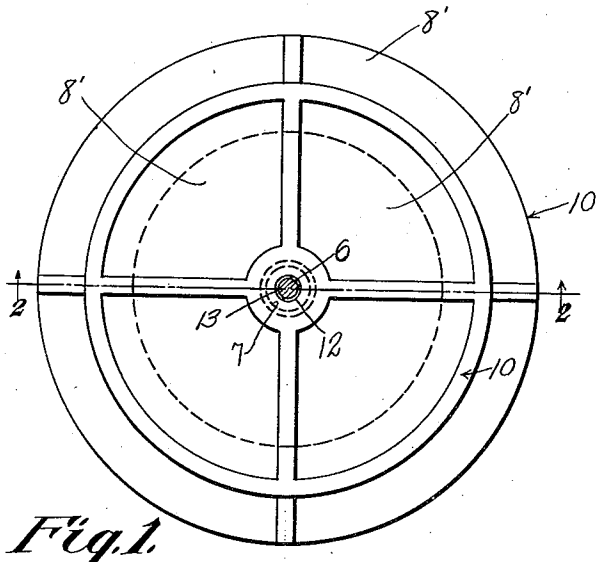


Fig. 1.

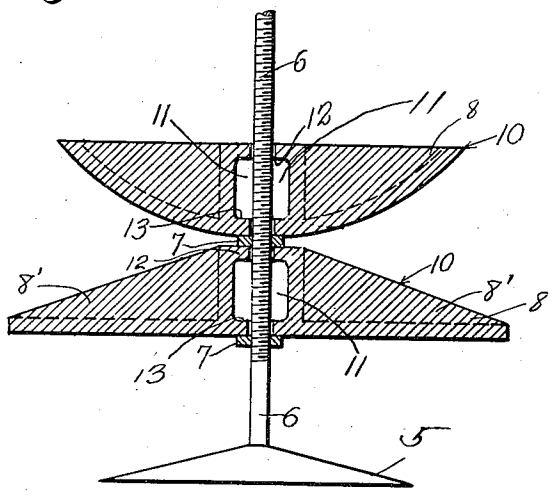


Fig. 2.

Witness
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UNITED STATES PATENT OFFICE.

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REVOLVING BIN.

1,369,135. Specification of Letters Patent. Patented Feb. 22, 1921.

Application filed March 8, 1920. Serial No. 364,226.

To all whom it may concern:

Be it known that I, JOHN H. SELLERS, a citizen of the United States, residing at Wellston, in the county of Jackson and State of Ohio, have invented a new and useful Improved Revolving Bin, of which the following is a specification.

This invention relates to a revoluble pivot connection to be employed in revolving stands such as bins, employed for containing relatively small articles, such as nails, screws, bolts or the like.

The primary object of the invention is to provide a bin of this character, including a plurality of super-imposed circular sections supported on a vertical support, the trays being provided with especially constructed bearings, to prevent the sections from sagging on their support, when the weight of one section is great enough to over-balance the weight of the contents of the opposed section.

A further object of the invention is to provide an article wherein the sections are rotatable, thereby permitting the user to stand in one place, and at the same time have access to the various sections of the trays.

A still further object of the invention is to provide a device of this character wherein the trays may be adjusted longitudinally of the support, to permit an unlimited number of trays to be mounted thereon.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:—

Figure 1 illustrates a top plan view of the bin, constructed in accordance with the present invention, and

Fig. 2 illustrates a longitudinal sectional view taken on line 2—2 of Fig. 1.

Having reference to the drawing in detail, the support for the bins includes a relatively large base member 5, which is constructed of substantially heavy material, in order that the bins, mounted on the support, will not cause the same to over-balance. Secured to the base 5, substantially centrally thereof, is the supporting rod 6, which extends upwardly from the base 5.

The washers 7 are threaded on the rod 6 and supported by each of the washers 7, is a tray 8, which includes a substantially circular member formed of any suitable material, and is provided with a plurality of partitions 8′, dividing the tray into a number of sections or compartments 10, which compartments are for the purpose of receiving various sized articles, such as nails, screws or the like.

Each of the trays, is provided with a central cut-out portion 11, which cut-out portion is provided with annular flanges 12 and 13, adjacent the respective ends thereof, which flanges embrace the supporting member 6, but are permitted to revolve thereabout, at the will of the operator.

It has been found, in practice, that due to the construction of the flanges 12 and 13, which form the bearings for the trays, the trays are prevented from sagging, when the weight in one section thereof, is great enough to overcome the weight of the article in the opposed section thereof, thereby permitting the trays to revolve freely on their support.

While I have shown only two trays, in the illustration of the invention, it is to be understood that any practical number of trays may be used on the support, each tray of course being separated from the adjacent tray by means of a washer, as shown at 7.

It might further be stated that in the construction of the bin, the diameters of the trays, may diminish, toward the top of the support, thereby allowing free access to the various compartments of the bins.

Having thus described the invention, what is claimed is:—

In a bin, a base, a vertically extending threaded support having connection with the base, threaded washers operating on the threaded portion of the support, said washers being disposed in spaced relation with each other, trays mounted on the support, between the washers, radial flanges formed

adjacent the upper and lower edges of the trays, said flanges adapted to contact with the threaded support to restrict lateral movement of the trays, and said trays adapted to be positioned between the washers for securing the same to the support.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JOHN HENRY SELLERS.

Witnesses:
GOLDIE DAVIS,
J. E. KESSLE.