C. H. GLASHAGEL.

DISPLAY RACK.

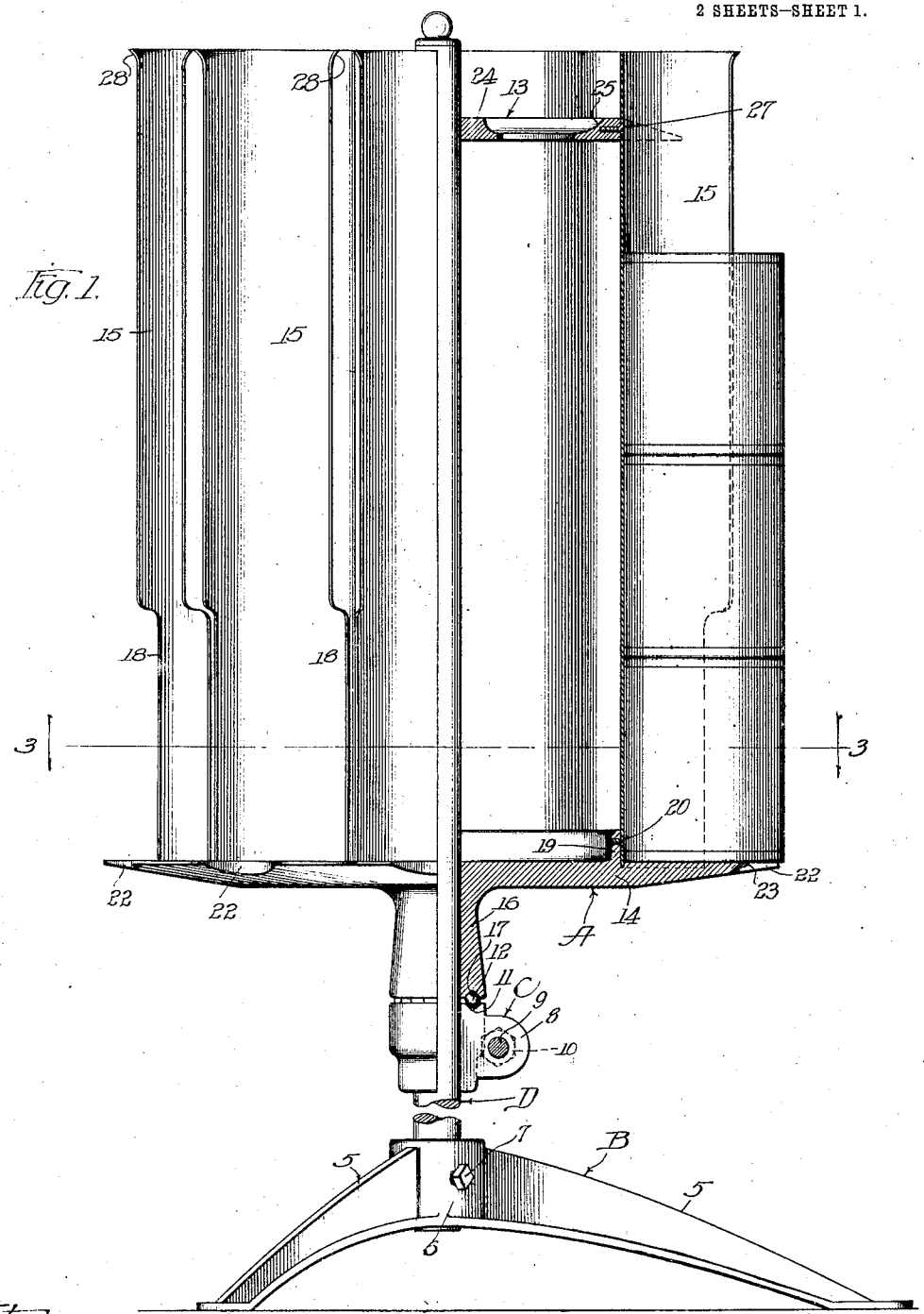
APPLICATION FILED OCT. 21, 1912.

1,114,465.

Patented Oct. 20, 1914.

2 SHEETS—SHEET 1.

Fig. 1.



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2 SHEETS—SHEET 2.

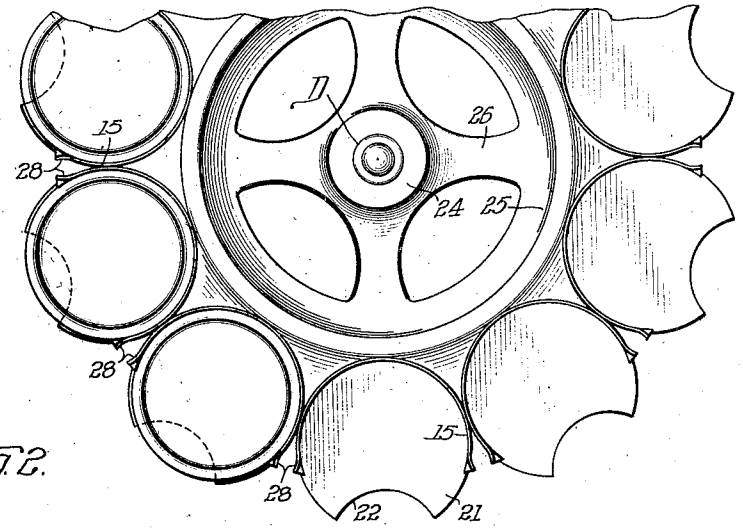


Fig. 2.

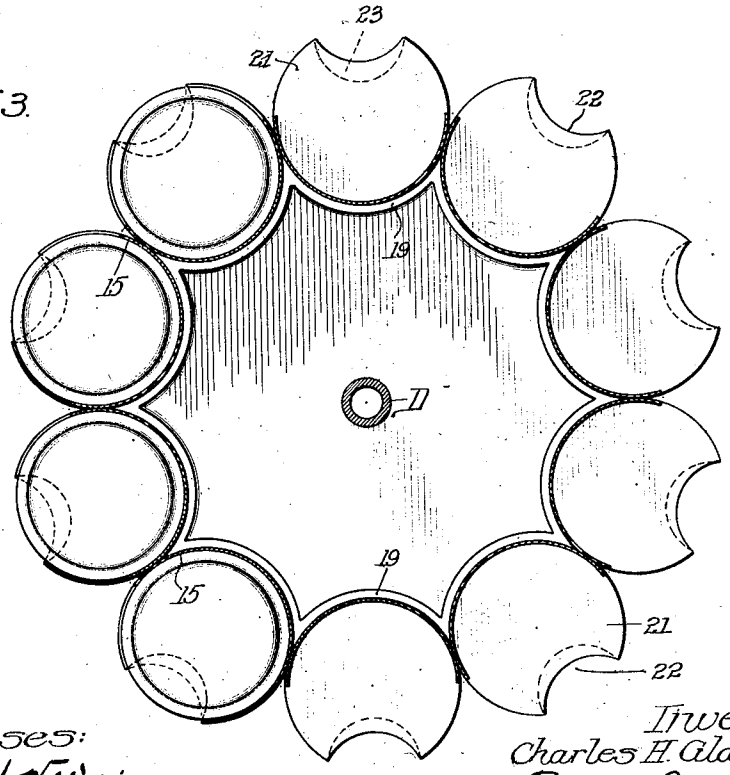


Fig. 3.

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UNITED STATES PATENT OFFICE.

CHARLES H. GLASHAGEL, OF LA GRANGE, ILLINOIS.

DISPLAY-RACK.

1,114,465. Specification of Letters Patent. Patented Oct. 20, 1914.

Application filed October 21, 1912. Serial No. 726,936.

To all whom it may concern:

Be it known that I, CHARLES H. GLASHAGEL, a citizen of the United States, residing at La Grange, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Display-Racks, of which the following is a specification.

My invention relates to display racks for canned goods and has for one of its objects to provide such a device which shall afford exhibiting space for all the cans supported thereby, which shall be operable to permit easy intentional removal of cans and prevent accidental displacement thereof, and which shall be rotatable on a vertical axis and adjustable vertically for ready access to any of the cans displayed,—all in a structure involving simple, durable, and well appearing parts.

Other objects of my invention will become apparent to those skilled in the art from a consideration of the following description taken in conjunction with the drawings, wherein—

Figure 1 is a side elevation of an embodiment of my invention, with part in section; Fig. 2 is a plan view thereof; Fig. 3 is a section on line 3—3 of Fig. 1.

In the drawings, A indicates generally a can-supporting rack rotatably supported upon a base B by engagement of an adjustable member C upon rod D.

The base B may be provided by a metal casting having legs 5 and a central perforated portion 6 in which the rod D may be inserted and retained therein by set screw 7, or otherwise.

The rod D is of a length to permit adjustment of the bearing member C at such heights thereon as to adapt the device for use when placed either upon a table or on the floor. The bearing member C is shown as a split collar having lugs 8 to receive a bolt 9 which is, with its nut 10, operable to secure the collar in any desired position upon the rod. The upper surface of the collar C is continuous and not split and serves as a track 11 for bearing balls 12.

The display rack A is shown as comprising upper and lower rod-engaging spiders or plates 13 and 14 respectively, each suitably shaped to receive a series of can-holding stacks 15. The lower plate 14 is preferably provided with a hub portion 16 having in its lower edge a groove 17 which coacts with opposing groove 11, to hold the balls 12, whereby said lower plate and the parts carried thereby are rotatably supported by and axially disposed on the rod at a height determined by the adjustment of the collar C.

The can-engaging means or stacks 15, as shown, are preferably made of sheet metal bent to encompass somewhat more than half of the circumference of a can; that is, being in cross-section somewhat more than semi-circular, so that cams inserted therein at the top will be retained against lateral movement but will have a sufficient area thereof exposed for display of the can without removal. Near the lower end each stack is cut away, as at 18, so that it is here of substantially semi-circular form. Obviously the lowest can may therefore be removed laterally from this cut-away semi-circular zone of the strip.

For convenient construction, the plate 14 has on its top surface upwardly-projecting segmental rib members 19, preferably integral with each other and with the plate 14, against which the stacks 15 engage and to which they are attached, as by screws 20. Beyond each said rib member 19, the plate provides a circular base portion 21, each having therein a notch 22 whereby a portion of the bottom surface of the can which rests on said notched circular portion is exposed, to facilitate removal of the can. The plate may be thinner toward its outer edge as shown in Fig. 1, and the notches may have their edges inclined backwardly as indicated at 23. With this form of lower plate and stacks, it will be apparent that a minimum of the can-supporting means is visible, while the only operation necessary to remove a can is to place a finger on the bottom of the can where it is exposed by notch 22, thus drawing the can out from under the superposed cans by the frictional engagement of the finger and can. This operation may of course be aided, if necessary, by gripping the diametrically opposite sides of the can where they are exposed by the cut-away portions 18.

For support of the stacks at their upper ends and for guiding engagement on rod D, the upper spider or frame 13 provides a central perforated portion 24, an annular portion 25, connected thereto by integral spokes 26. The annular rim member 25 has

its outer edge shaped to provide a series of segmental notches, in which the stack 15 may be secured, as by screws 27. The upper exposed corners of the stacks are preferably bent outwardly as at 28.

The use and operation of the device will be obvious from the above description. If the device is to be used on a table, counter, or the like, the collar C will be adjusted to a position just above the base B to bring the rack at a height easily accessible. If it is used on the floor the collar C will be adjusted to position higher up, the adjustment of the collar obviously adapting the device to any height of support from the floor to the ordinary table or counter. The cans are placed one upon the other within stacks 15 with their labels exposed between the longitudinal edges of the stacks, when the device will display all the cans supported and permit removal of the cans as heretofore described.

While I have herein described a single embodiment of my invention it will be apparent that changes may be made therein without departing from the spirit of the invention and within the scope of the appended claim.

What I claim is:

An apparatus for storing and displaying canned goods, comprising a central, vertical spindle, upper and lower supports rotatable upon the spindle, a plurality of vertically arranged stacks connected between the two supports, each stack comprising a sheet of metal bent in circular form to encompass somewhat more than half of the circumference of a can, the lower end of the sheet being cut away to encompass not more than half of the circumference of the can, and rib members integral with and extending upward from the lower support and conforming to the inner edges of the stacks, the said lower support having formed therein grooves extending around the inner edges of the said rib members and adapted to receive the lower edges of the said stacks substantially as and for the purpose set forth.

In testimony whereof I hereunto set my hand in the presence of two witnesses.

CHARLES H. GLASHAGEL.

In the presence of—
FORÉE BAIN,
MARY F. ALLEN.