June 6, 1933. G. A. CARLSTEDT ET AL 1,913,231

DISPLAY CABINET

Filed Sept. 3, 1931 2 Sheets-Sheet 1

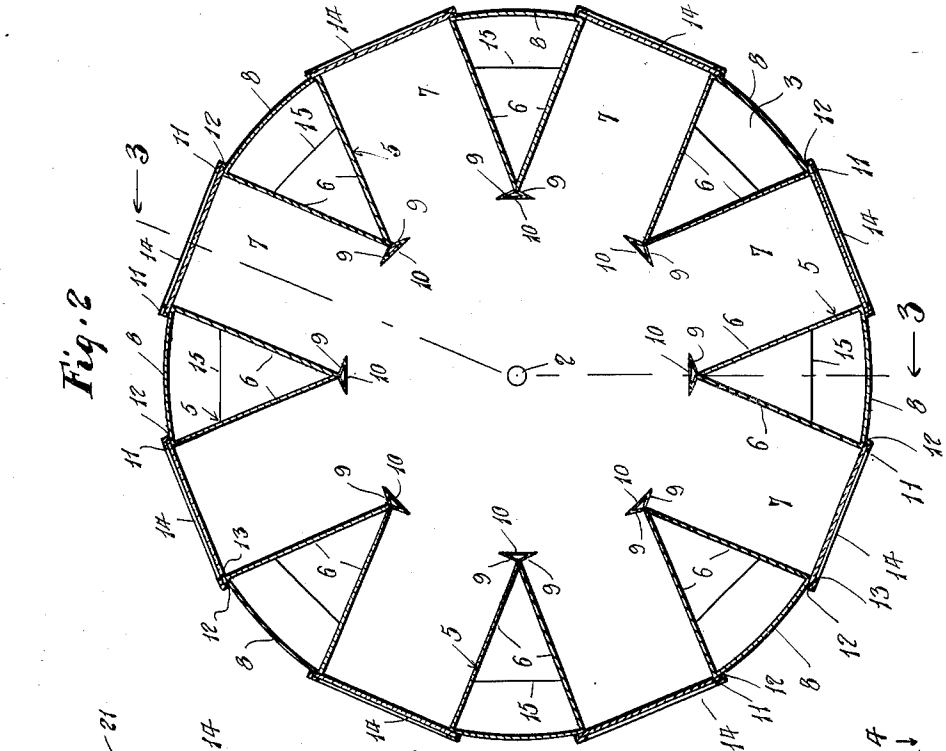

Fig. 2.

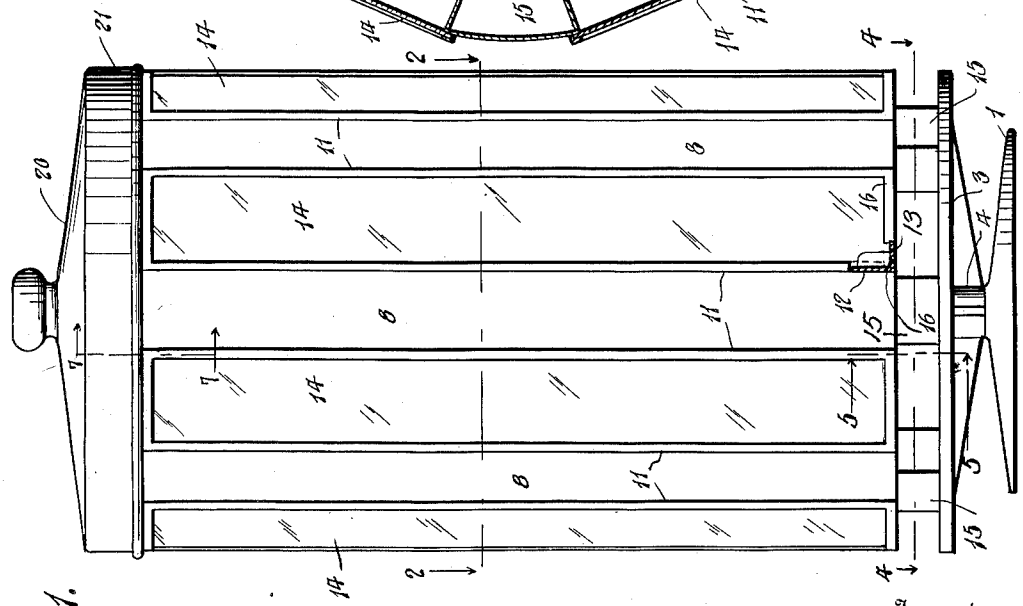

Fig. 1.

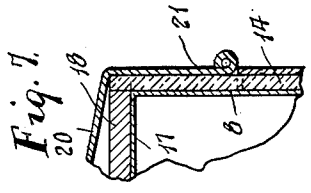

Fig. 7.

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DISPLAY CABINET

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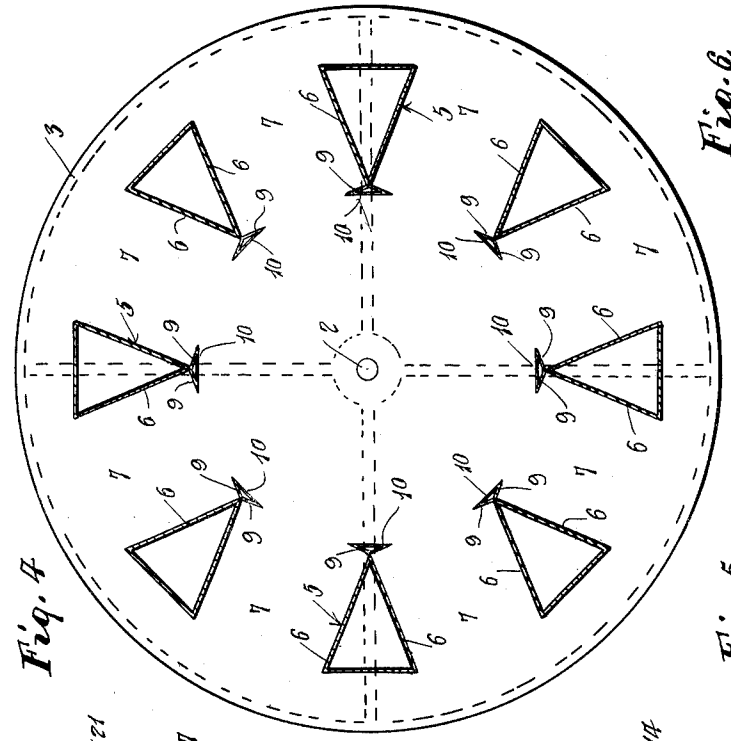

Fig. 4

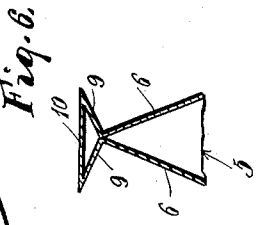

Fig. 6.

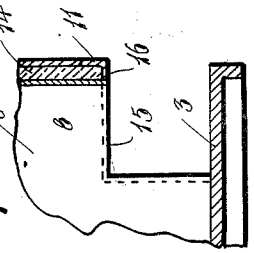

Fig. 5.

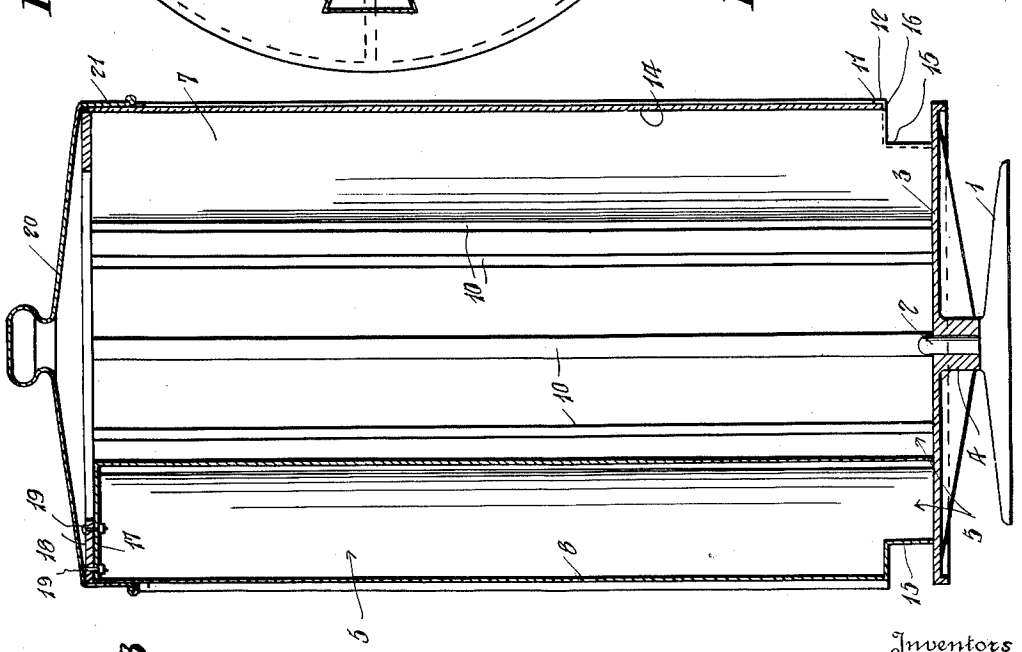

Fig. 3

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UNITED STATES PATENT OFFICE

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DISPLAY CABINET

Application filed September 3, 1931. Serial No. 561,048.

The invention relates to cabinets for displaying merchandise and the like, and has for its object the provision of an improved construction of cabinet that is reasonable in cost of manufacture and that will hold the merchandise and display it in an attractive manner, provision being made for dispensing the merchandise from the cabinet so that it may be adapted for a self-serve use.

A further object of the invention is the provision of a cabinet of circular shape, preferably arranged for rotation, and having an improved construction of partition members whereby the chutes for holding the merchandise in the cabinet are of extremely light weight, the partition members providing also panels separating the backs of the chutes and having means for mounting glass panels forming the front walls of the chutes.

The invention will be described in detail hereinafter and will be found illustrated in the accompanying drawings, in which

Figure 1 is a front view of the cabinet shown partly broken away and in section,

Figure 2 is a horizontal sectional view on an enlarged scale on a plane indicated by the line 2—2 of Figure 1,

Figure 3 is a vertical sectional view on a plane indicated by the line 3—3 of Figure 2,

Figure 4 is a horizontal sectional view on a plane indicated by the line 4—4 of Figure 1,

Figure 5 is a detail sectional view on a plane indicated by the line 5—5 of Figure 1,

Figure 6 is a fragmentary sectional view of one of the partition units, and

Figure 7 is a sectional detail on a plane indicated by the line 7—7 of Figure 1.

In the drawings similar reference characters are used to designate corresponding parts in all the views.

The invention relates particularly to a circular or cylindrical cabinet, and as shown in the drawings may be of the rotary type, 1 designating a base for supporting the cabinet, and having a pin 2 on which is rotatably mounted a bottom member 3 having a hub 4 mounted on said pin 2.

Secured to the bottom member 3 are a plurality of partition units 5 that for neatness of construction as well as lightness of weight, are made of sheet metal of proper gauge to give rigidity to the cabinet. The sheet metal forming each partition unit 5 is bent into triangular shape in plan view, having two sides 6 forming side walls of merchandise chutes 7, and the third side 8 providing panels between said chutes 7. The sheet metal where it converges to form the angle between the sides 6 is bent outwardly to form flanges 9 having their outer ends connected by a web 10 serving to strengthen said flanges 9. It will be apparent that the flanges 9 on adjacent partition units provide jointly the rear wall for the chute in each instance to hold the merchandise from rearward movement relatively to the outer side of the cabinet.

Secured to the outer face of each of the sides 8 of the partition units 5 is an open frame 11 substantially defining the shape of said side 8, said frame being also made of sheet metal and having the inner edges of the vertical sides of the frame bent inwardly as shown at 12 to space the outer face of the frame from the side 8 and provide grooves 13 to receive panels of glass or other transparent material 14 that form the outer walls of the chutes 7. The sides 6 and 8 of the partition units 5 are bent inwardly as shown at 15 to provide means whereby merchandise in the chutes 7 may be dispensed by removing the lowermost article of merchandise, it being understood that the articles in the chute will be fed downwardly by gravity as the articles are dispensed. The panels 14 extend only down to the portions 15 and are held in position spaced from the bottom member 3 by a flange 16 on the lower portion of the frame 11.

17 indicates an inbent extension of one of the sides 6 or 8, preferably 8, at the top of the partition members 5, and 18 indicates an annular member secured to said inbent portion 17 by means of rivets or bolts 19 as best shown in Figure 3. 20 designates a cover or cap member having a circumferential downwardly extending flange 21 that seats on the upper portions of the partition units 5, said cap member being removable for removal

of the transparent panels 14 when it is desired to reload the chutes 7.

What is claimed is:—

In a display cabinet, circular top and bottom elements, partition members connecting said top and bottom elements and each of which is formed of a single piece of sheet metal bent into triangular shape in horizontal section and having one side forming the outer side of a cabinet casing and the other sides forming the adjacent walls of contiguous chutes for packages of merchandise, the edges of said other sides internally of the casing bent outwardly thereof forming flanges cooperating with similar flanges on contiguous partition members and providing stops at the rear of said chutes for holding merchandise packages therein, a web connecting the free edges of said flanges to strengthen them, the lower portion of said outer side bent upwardly and inwardly and the contiguous portions of said other sides bent inwardly providing a recess for grasping the lowest merchandise package in the chute for its removal, open rectangular frames having inbent flanges secured to the outer sides of adjacent partition members and forming therewith guides for transparent panels forming the fronts of said chutes, and said frames also having inbent flanges of their lower edges forming stops for said panels, said last mentioned stops being spaced above the bottom element at substantially the same height as the height of the recesses in the partitions.

In testimony where of we affix our signatures.

GUST A. CARLSTEDT.
HARRY A. DE LAND.