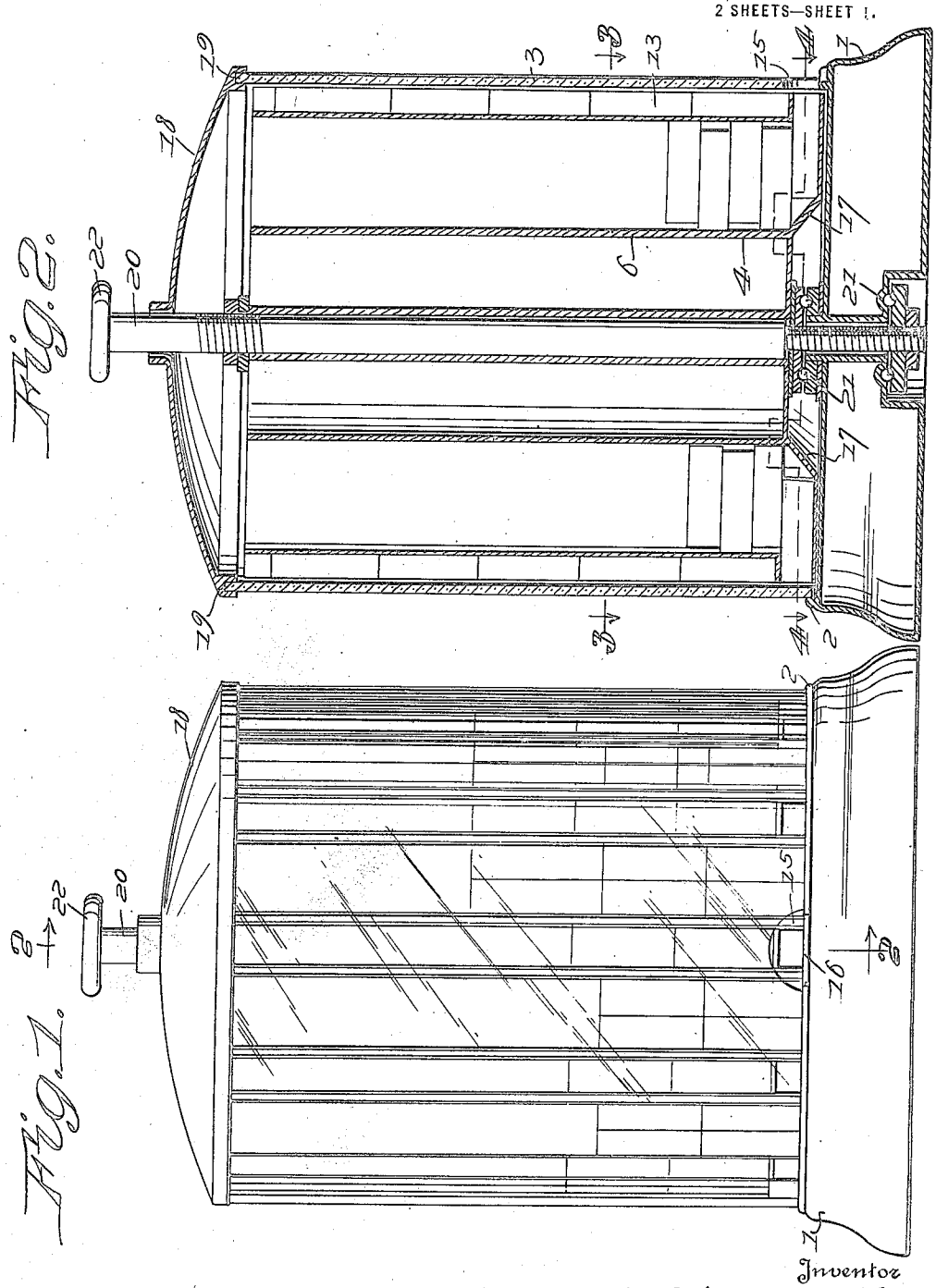
E. S. WOOD.

ARTICLE DISPLAY AND DELIVERING CABINET.

APPLICATION FILED DEC. 17, 1921.

1,426,844. Patented Aug. 22, 1922.

2 SHEETS—SHEET 1.



Inventor

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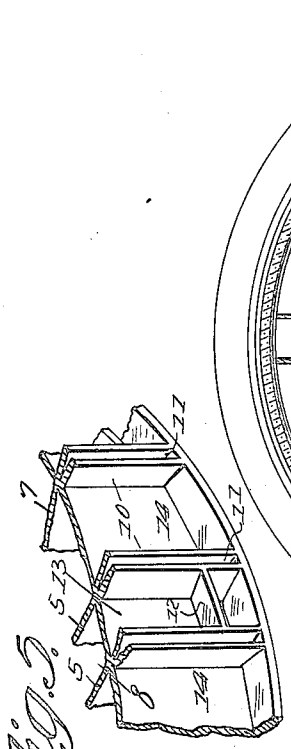


Fig. 2.

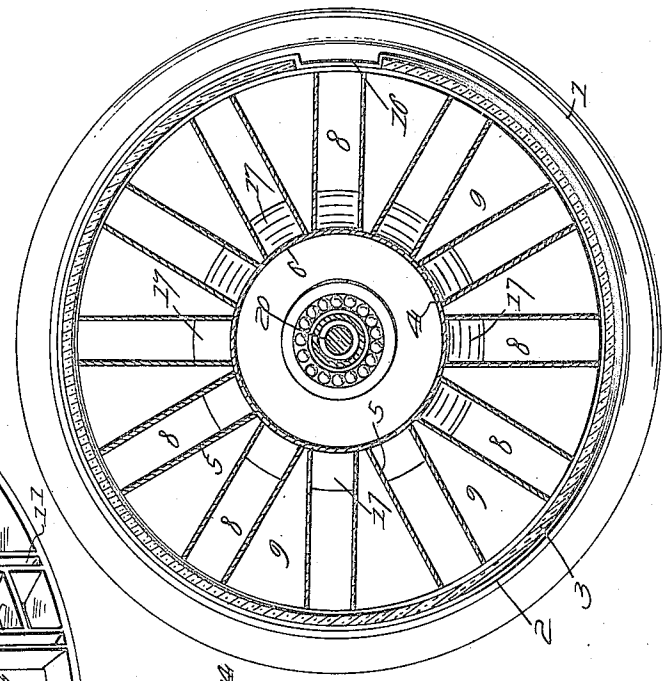


Fig. 1.

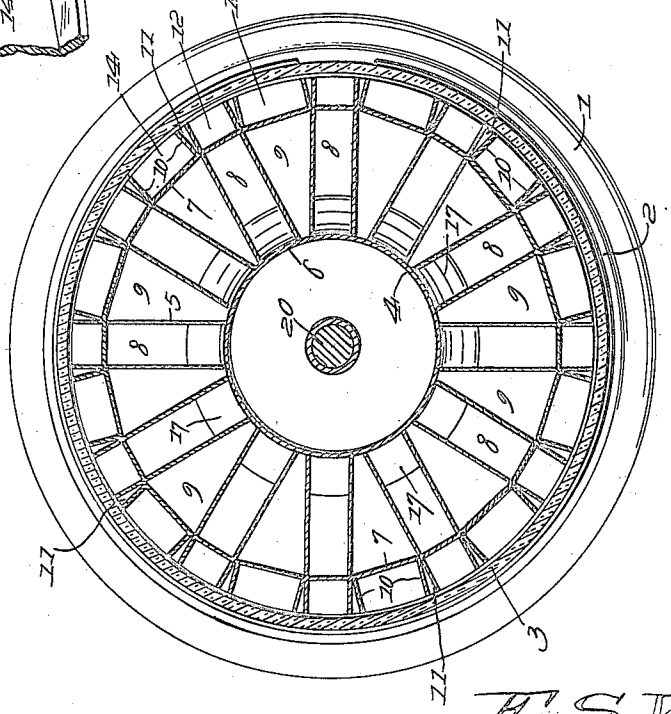


Fig. 3.

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UNITED STATES PATENT OFFICE.

EMORY S. WOOD, OF COMMERCE, GEORGIA.

ARTICLE DISPLAY AND DELIVERY CABINET.

1,426,844. Specification of Letters Patent. Patented Aug. 22, 1922.

Application filed December 17, 1921. Serial No. 523,018.

To all whom it may concern:

Be it known that I, EMORY S. WOOD, a citizen of the United States, residing at Commerce, in the county of Jackson and State of Georgia, have invented certain new and useful Improvements in Article Display and Delivering Cabinets, of which the following is a specification, reference being had to the accompanying drawings.

Heretofore cabinets of this kind have been devised, but in most of them they include a coin controlled mechanism for ejecting an article, or a plunger or some device adapted to be engaged by the hand for causing the ejection of the article.

However, the present invention has for its purpose the provision of an article display and delivering cabinet, wherein there is included a stationary cabinet section and a rotary delivering cabinet section, the latter mounted within the former and provided with display compartments and reserve stock containing compartments, wherein there are articles of stock constantly in a delivered position ready to be extracted, and as an article is withdrawn, another one falls in place, so it can be extracted or removed.

It is another purpose to provide means carried by the movable cabinet section, and located in the rear of said compartments for the reserve stock, to automatically eject an article radially, as a result of its gravity action, when a previous article is extracted, so that the succeeding article may be extracted.

Still another purpose is to provide a revoluble cabinet section including an outer wall having compartments consecutively arranged for articles on display, there being spaces left between certain of the articles on display and the walls of said compartments, for the reception of article wrappers.

A further purpose is the provision of a display and delivering cabinet, wherein the outer stationary cabinet section comprises a base including a cylindrical glass wall mounted thereon and provided with an oval opening through which the articles may be removed when ejected to a position in registration with the opening, in combination with a cover for holding the glass wall in position, and to cover the top of the revoluble cabinet section.

A still further purpose is the provision of means for permitting the revoluble cabinet section to freely rotate, and also the provision of means for manually rotating the revoluble cabinet section in either direction, whereby any desired article, of which there may be a display thereof, may be moved to a position in registration with the oval opening of the glass wall.

While the design and construction at present illustrated and set forth are deemed preferable, it is obvious that as a result of a reduction of the invention to a more practical form for commercial purposes, the invention may be susceptible of changes, and the right to these changes is claimed, provided they are comprehended within the scope of what is claimed.

The invention comprises further features and combination of parts, as will be hereinafter set forth, shown in the drawings and claimed.

In the drawings:—

Figure 1 is a view in side elevation of the improved article display and delivering cabinet constructed in accordance with the invention;

Figure 2 is a vertical sectional view thereof;

Figure 3 is a horizontal sectional view on line 3—3 of Figure 2;

Figure 4 is a horizontal sectional view on line 4—4 of Figure 2;

Figure 5 is a detail perspective view of a fragmentary portion of the inner revoluble cabinet section, showing the various compartments for articles on display, and compartments for the reserve stock.

Referring to the drawings, 1 designates a base, which may be constructed of any suitable material preferably sheet metal, and which is hollow as shown. The upper wall of the base has an annular rib 2, and engaging the upper wall within the rib is a cylindrical glass case or wall 3. Mounted within the case 3 is a revoluble cabinet section 4, which is provided with partitions 5. An inner cylindrical wall 6 connects the inner ends of the partitions 5, while the outer cylindrical wall 7 connects the outer portions of the partitions 5. These walls are arranged to cause compartments 8 to be formed with parallel opposite faces, for the reception of stock which is delivered, and then sold to the trade. Owing to the opposite faces of these compartments being in parallelism, the spaces or compartments 9 are caused to be formed V-shaped. These V-shaped compartments 9 alternate with the compart-

ments 8. The inner portions of the compartments 9 are practically dead space, with the exception that a reserve stock of articles may be deposited therein. However the outer portions of the V-shaped compartments 9 are divided off by the cylindrical wall 7, which connects the outer portions of the partitions 5, there being additional partitions 10 arranged, in order to provide the V-shaped spaces 11, which are designed to receive wrappers of various articles which are to be sold. The wrappers are placed in the spaces 11, so that their design and advertising matter will appear through the glass case 3.

The outer portions of the compartments 8 above the horizontal walls 12 (which are located in the lower portions of the compartments 8) are also divided off by the cylindrical wall 7, thereby providing additional compartments 13 for articles to be placed on display.

The partitions 10 also act as walls to the compartments 14, which receive articles to be placed on display. In fact the compartments 13 and 14 may simply receive the boxes or cartons or any other containers, which are adapted to contain the articles to be sold simply to show what articles the storekeeper or proprietor may have for sale in the cabinet.

It will be noted that the articles to be sold are carried by the rear portions of the compartments 8, and furthermore the lower portion of the cylindrical wall 4 of the revoluble cabinet section is conical outwardly and downwardly, which acts to eject an article to be sold toward an arched opening 15 of the outer glass shell or wall of the stationary cabinet. As previously stated the glass wall or shell engages the base 1 within the annular bead or shoulder 2. However where the opening 15 occurs, the annular bead or wall has a portion offset inwardly through the lower part of the opening 15, as shown at 16. The inner surface of this offset or inwardly extending portion of the bead or shoulder is flush with the inner surface of the glass wall or shell of the stationary cabinet, and constitutes means to be engaged by an article which is ejected radially, thereby limiting the article in its ejecting movement. By constructing the inner surface of this inwardly offset portion flush with the inner surface of the glass shell, the inner cabinet section is capable of rotating in either direction, so that any article, which has automatically moved to an ejected position can be easily extracted from and through the opening 15, when the revoluble cabinet section is rotated, to position the article desired in registration with the opening.

It will be noted that the articles to be sold are shorter than the length of the compartments 8, so as to permit of sufficient looseness of play, whereby the outer end of the article may first drop, after which the rear end of the article will slide down the inclined surface of the conical wall 17 of the lower portion of the cylindrical wall 6, and thereby cause the article to be ejected to a position toward the opening 15.

A suitable cover 18 is provided, and this cover at its outer portion is provided with a channel 19, which receives the upper end of the glass wall or shell 3, thereby covering the various compartments of the revoluble cabinet section.

The revoluble cabinet section is mounted upon a spindle 20, there being suitable ball bearings 21 which will permit the revoluble cabinet section to rotate freely. The upper end of the spindle 20 has a knob 22, which may be engaged by the hand of the operator, so as to rotate the inner revoluble cabinet section, until the compartment containing the desired article to be sold registers with the opening 15.

The invention having been set forth what is claimed is:—

1. In an article display and delivering cabinet, stationary and revoluble cabinet sections, the latter being mounted within the former, the revoluble cabinet section having compartments for articles on display, and compartments for articles to be sold, said compartments being alternately arranged, the compartments containing the articles to be sold being disposed inwardly of the compartments containing articles on display, the wall of the stationary cabinet section having an opening through which articles may be withdrawn from the various compartments containing articles to be sold, the lower inner portions of the compartments containing articles to be sold having means for causing the ejection of an article toward said opening.

2. In an article display and delivering cabinet, stationary and revoluble cabinet sections, the latter being mounted within the former, the former having an opening through which articles may be withdrawn, the outer peripheral portion of the revoluble cabinet section having consecutive compartments to receive articles on display, said revoluble cabinet section having compartments inwardly of certain of the compartments which contain articles on display, for the reception of articles to be sold, the compartments containing articles to be sold having their lower portions extending under alternate compartments which contain articles on display, whereby the articles to be sold may move toward the opening through which the articles to be sold are extracted, the lower inner walls of the compartments containing articles to be sold being inclined outwardly and downwardly acting to eject

an article toward said opening whereby it may be extracted.

3. In an article display and delivering cabinet, stationary and revoluble cabinet sections, the latter being mounted within the former, the former having an opening through which articles may be withdrawn, the outer peripheral portion of the revoluble cabinet section having consecutive compartments to receive articles on display, said revoluble cabinet section having compartments inwardly of certain of the compartments which contain articles on display, for the reception of articles to be sold, the compartments containing articles to be sold having their lower portions extending under alternate compartments which contain articles on display, whereby the articles to be sold may move toward the opening through which the articles to be sold are extracted, the lower inner walls of the compartments containing articles to be sold being inclined outwardly and downwardly acting to eject an article toward said opening whereby it may be extracted, means to permit the revoluble cabinet section to freely rotate with minimum friction, and means manually actuated for rotating the revoluble cabinet section.

4. In an article display and delivering cabinet, a stationary cabinet section provided with a discharge opening adjacent its lower end, a base for the stationary cabinet section, a revoluble cabinet section rotatably mounted upon the base and within the stationary cabinet section and comprising an outer cylindrical wall and a second cylindrical wall of less diameter than and arranged concentrically within the outer cylindrical wall, a plurality of partitions connecting the two walls and comprising such a construction and arrangement as to cause radial compartments to be formed between said walls, said revoluble cabinet section having a bottom for all of said radial compartments, said bottom merging into a conical wall which integrally connects with the second cylindrical cabinet wall, said conical wall constituting means to cause a radial movement to be imparted to articles which feed from below said compartments, to force them toward the discharge opening of the stationary cabinet section, through which the articles may be withdrawn.

5. In an article display and delivering cabinet, a base, a stationary cabinet section mounted upon said base and provided with a discharge opening immediately adjacent the base, a revoluble cabinet section mounted upon the base and within the stationary cabinet section for revoluble movement, said revoluble cabinet section comprising an outer wall provided with perpendicular compartments for the reception of articles on display therein, said revoluble cabinet section having a bottom and provided with a second cylindrical wall of less diameter than and spaced concentrically within said outer wall, the lower end of said second cylindrical wall terminating in an integral conical wall which extends downwardly and outwardly and merges integrally into the bottom, which causes a radial movement to be imparted to an article, whereby it may be shifted radially on the bottom toward and to be received from the discharge opening, partitions connecting the two cylindrical walls, and constructed and arranged to cause perpendicular compartments to be formed for the reception of articles to be sold, said compartments being behind the display compartments, whereby articles similar to those on display may be dispensed from the compartments according to the customer's demand.

In testimony whereof I hereunto affix my signature.

EMORY S. WOOD.