Feb. 14, 1928.

1,659,192

O. DEMERS

DISPLAY CASE

Filed April 6, 1925

2 Sheets-Sheet 1

Fig. 1.

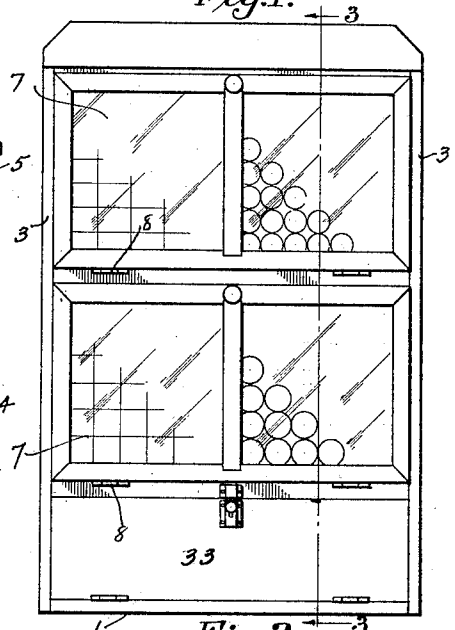



Fig. 2.

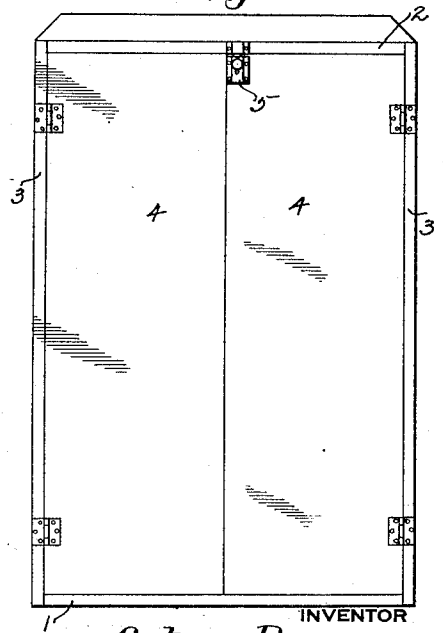



Fig. 3.

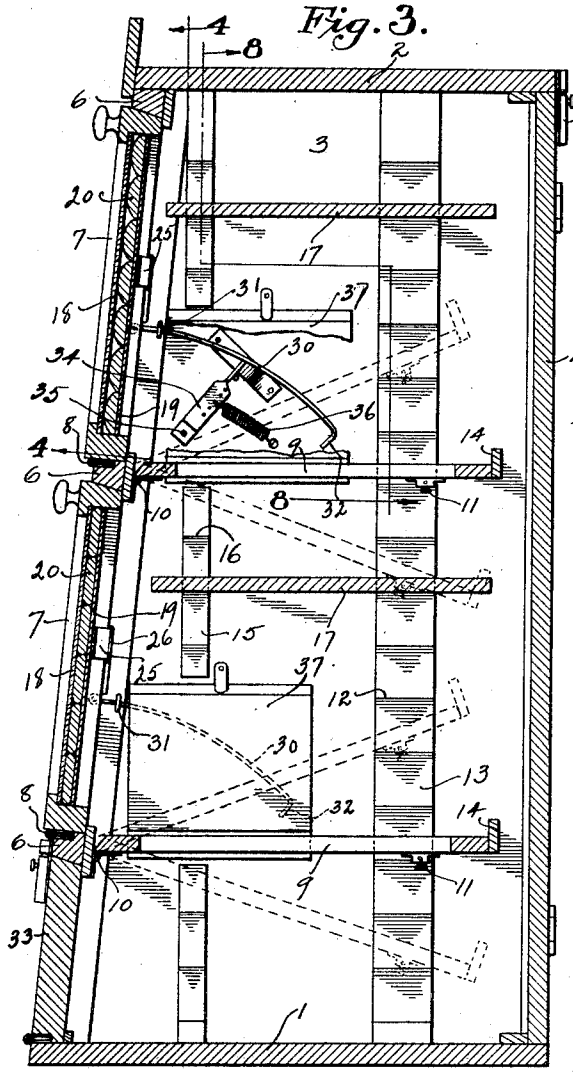



Fig. 9.

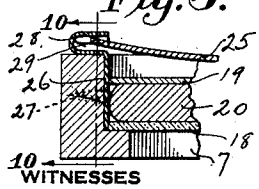
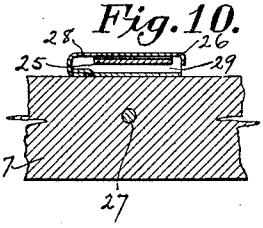



Fig. 10.




WITNESSES

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2 Sheets-Sheet 2

Fig. 5.

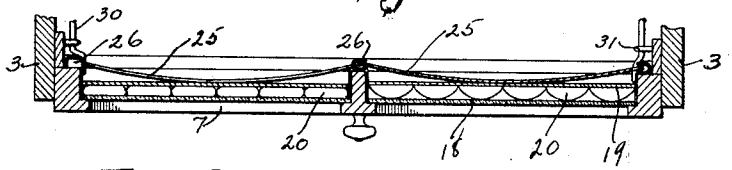



Fig. 4.

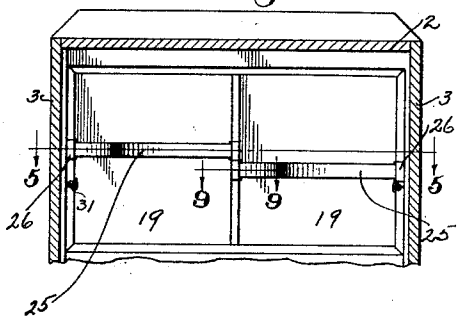



Fig. 6.

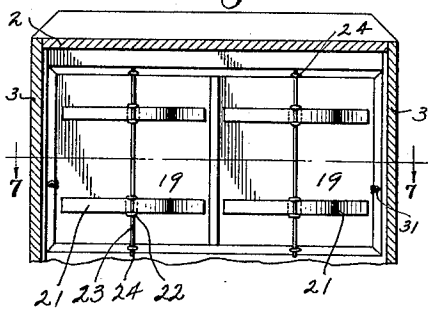



Fig. 7.

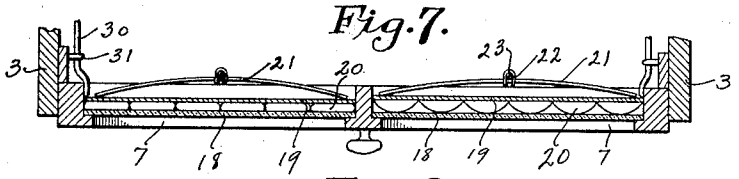
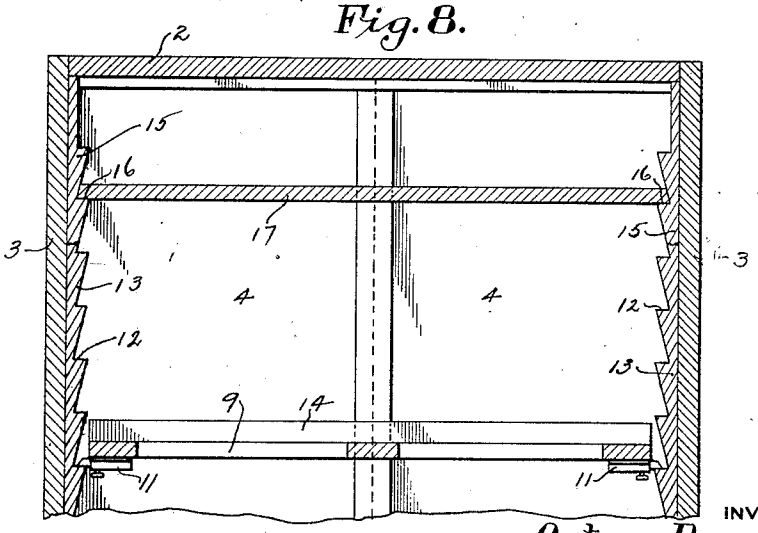



Fig. 8.




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# UNITED STATES PATENT OFFICE.

OCTAVE DEMERS, OF KEEGAN, MAINE.

## DISPLAY CASE.

Application filed April 6, 1925. Serial No. 21,147.

This invention relates to a display case, especially adapted for use in stores, for containing crackers, cookies, or similar articles to be sold.

The invention embodies a number of improved features, the general object of which is to display samples of the goods in an attractive and sanitary manner, and in such a position that they will not ordinarily be disturbed when the case is opened for the purpose of taking out a portion of its contents. The case is preferably constructed so as to contain a number of boxes or packages, perhaps twelve or more, arranged in horizontal and vertical rows, and the front of the case is provided with one or more doors having glass facings or panels, inside of which are spaces where the samples may be neatly arranged. Rear doors are also provided through which the articles, in their original containers, may be inserted. Provision is also made for inserting shelves into the case at different heights, whenever it is desired to do so. It is preferred that the case shall be entirely closed, and a space is provided in the bottom for inserting a pan of water to prevent the contents of the case from becoming too dry.

The preferred embodiment of the invention is illustrated in the accompanying drawings, in which

Figure 1 is a front elevation of the display case.

Figure 2 is a rear elevation thereof.

Figure 3 is a vertical longitudinal section taken on the line 3—3 of Figure 1.

Figure 4 is a sectional view of the upper part of the case, the same being taken on the line 4—4 of Figure 3.

Figure 5 is a horizontal section taken on the line 5—5 of Figure 4.

Figure 6 is a view similar to Figure 4, illustrating a slightly modified form of the invention.

Figure 7 is a horizontal section taken on the line 7—7 of Figure 6.

Figure 8 is a section taken on the line 8—8 of Figure 3.

Figure 9 is a fragmentary section taken on the line 9—9 of Figure 4.

Figure 10 is a fragmentary section taken on the line 10—10 of Figure 9.

The display case, to which my invention relates, is provided with a bottom wall or floor 1, a top wall 2, and side walls 3. The rear wall of the case is formed by doors 4, which are normally held closed by a spring catch 5.

The front edges of the side walls 3 are connected by a number of strips or rails 6, forming frames for doors 7, which are hinged at 8 so as to swing forwardly and downwardly.

A shelf 9 is hinged, as at 10, to the rear side of each rail 6, and is provided at each side with a spring catch 11, adapted to engage one of the shoulders 12 formed on a cleat 13, which is secured to the inner face of the adjacent wall 3. The shelves 9 may, therefore, be adjusted upwardly or downwardly, as indicated by dotted lines in Figure 3. Each shelf is preferably in the form of a skeleton frame, and is provided at its free edge with a lip 14, so that it will better retain any carton or other package which may be placed thereon. A second cleat 15 is secured to each wall 3, in front of the cleat 13, and is provided with shoulders 16, which, together with certain of the shoulders 12, serve to support extra shelves, as indicated at 17, if the latter are needed.

Each door 7 is in the form of a sash or framework, in which may be set panes of glass forming transparent panels for the front side of the door. The rails of the door are made of considerable depth, so that they may also receive rear panels 19 of metal or other opaque material. A space is thus formed between each front transparent panel 18 and the corresponding rear panel 19 to receive cookies, crackers or the like, as indicated at 20, which are arranged in an attractive manner for display purposes. The panels 19 are so held that they will be yieldingly urged toward the front panel 18, and no matter what the thickness of the articles displayed, they will be firmly held in their pre-arranged positions.

The means for holding the rear panels, as shown in Figures 6 and 7, comprises a number of bow springs 21, each having a clip 22 secured centrally thereof, and adapted to be slidably mounted on a rod 23. Each rod 23 is provided with curved ends, which may be inserted in eyes 24 secured to the frame of the door, and the bow springs 21 are so arranged that their ends bear against the rear face of the panel 19, retaining the latter in contact with the articles displayed, and retaining the rods 23 in engagement with the eyes 24.

In the form shown in Figures 4 and 5, bow

springs 25, similar to the springs 21, are used in retaining the panels 10, but in this form the convex face of the spring engages the panel. Keepers 26 are secured to the rails of the door by means of screws 27, or other fastening devices, and are formed with sockets or keepers 28 for receiving and retaining the ends of the springs 25. Each keeper 28 is provided laterally with a slot 29, through which the end of the spring may be inserted.

Curved rods 30 are pivotally connected to the ends of the doors 7, and pass through eyes 31 secured to the walls 3 near the front edges thereof, the rods 30 being formed with hooks 32, the inner ends of which are engageable with the eyes to limit the opening movement of the doors.

Portions of the cleats 15 may be removed, as shown in Figure 3, in order to permit the use of stops or buffers to check the opening movement of the doors 7. As shown, each stop comprises an arm 34 pivoted, as at 35, to the wall 3, and held rearwardly by a spring 36. When the door is opened, the downturned end 32 of the rod 30 engages the free end of the arm 34, and the tension of the spring 36 acts as a check. This checking mechanism may be enclosed by a protective housing 37 removably secured to the wall 3.

Sufficient space is left between the floor 1 and the lowermost shelf 9 to receive a pan of water, so that the articles contained within the case may be kept from getting too dry. The pan may be inserted through the doors 4, or a small wooden door 33 may be provided at the front of the case.

Samples of the various articles to be sold may be arranged in the respective doors 7, between the front transparent panel 18 and the yieldably mounted rear panel 19, and ordinarily a supply of each kind will be carried in its original package by the respective shelf 9 immediately in rear of the door in which the corresponding samples are displayed. It will be obvious that the case may be of any size or shape desired, so that any number of different kinds of articles may be carried in stock. Various other modifications may be made in details of construction and relative arrangement of the different parts without sacrificing any of the salient features of the invention as defined in the claims.

What is claimed is:

1. A display case having a closure in its front side provided with a front panel and a removable rear panel between which articles may be displayed, a strip at each side of said rear panel, a keeper secured to each strip, and a bow spring, the ends of which may be inserted in said keepers with the convex face of the spring bearing against the rear face of the rear panel to urge the latter into contact with said articles.

2. In a display case, the combination with opposed walls, of a strip connecting the front edges of said walls, a door hinged to said strip to open forwardly and downwardly, said door having a transparent front panel and a removable rear panel between which articles may be displayed, a pair of keepers secured to the door at opposite sides thereof, and a bow spring, the ends of which may be inserted in said keepers with the convex face of the spring bearing against the rear face of the rear panel to urge the latter into contact with said articles.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature.

OCTAVE DEMERS.