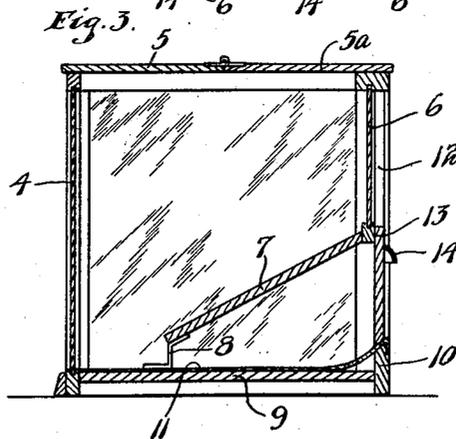
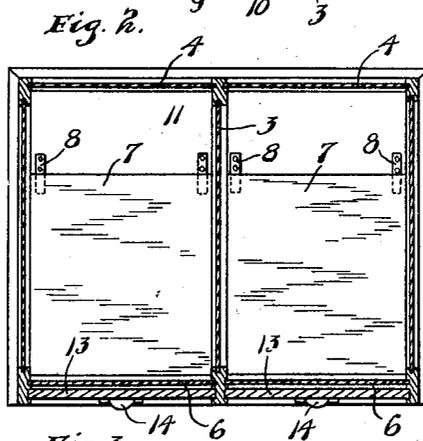
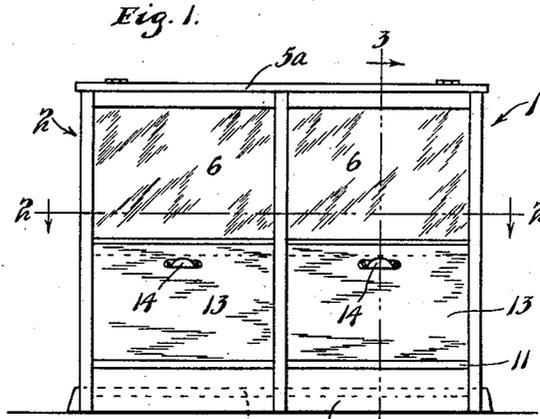


Nov. 18, 1924.

1,516,481

H. R. BOWE
COFFEE DISPLAY CASE
Filed Dec. 13, 1923



INVENTOR.
HERBERT R. BOWE.
BY HIS ATTORNEY.

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UNITED STATES PATENT OFFICE.

HERBERT R. BOWE, OF MINNEAPOLIS, MINNESOTA.

COFFEE-DISPLAY CASE.

Application filed December 13, 1923. Serial No. 680,336.

To all whom it may concern:

Be it known that I, HERBERT R. BOWE, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Coffee-Display Cases; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a display case adapted to hold loose or granular material, such as coffee, rice, etc. Such cases are frequently used to form a counter and have glass fronts so as to display the contents, the material being taken from the case by the salesman at the rear side thereof.

It is an object of this invention to provide a simple and efficient display case from which the material can readily be removed at the rear thereof through a vertically moving door, the case being provided with means whereby a tight closure will be maintained by said door.

It is another object of the invention to provide such a case having a rear opening and a rear wall section having an outwardly inclined top edge with which edge a vertically movable door co-operates whereby the material dropped on the edge of said rear wall section will slide back into the case and a tight door closure will be maintained.

It is more specifically an object of the invention to provide a display case, as above set forth, having a rear wall section with an outwardly beveled top edge and a sheet of material forming the bottom of the casing, which sheet is extended up and over the top edge of said rear wall section, whereby any material dropped on said edge will slide back into the case and a tight closure can be made by a vertically moving door co-operating with said sheet and rear wall section.

These and other objects and advantages of the invention will be fully set forth in the following description made in connection with the accompanying drawings in which like reference characters refer to the same parts throughout the different views, and in which,

Fig. 1 is a view in rear elevation of the case;

Fig. 2 is a horizontal section taken on

the line 2—2 of Fig. 1, as indicated by the arrows; and

Fig. 3 is a vertical section taken on the line 3—3 of Fig. 1, as indicated by the arrows.

In the embodiment of the invention illustrated, the case is shown as formed of adjacent sections 1 and 2, two of said sections being shown, although it is obvious that as many sections as desired may be provided. While the case may be made of various forms, in the embodiment of the invention illustrated, one section thereof, is shown as comprising vertical side walls 3 and a front wall 4 which, preferably will be of glass or other suitable transparent material. A top wall 5 is provided having a flat top, the rear portion 5" of which is hinged to form a door by means of which the material may be placed inside of the case. The case is provided with a rear top wall 6 which also, preferably, will be of glass or other suitable transparent material, and a partition or shelf 7 extends from adjacent the lower edge of the rear top wall 6 forwardly and downwardly in the case and has its end terminating at some distance from the front wall 4 as well as from the bottom wall 9. The front end of the shelf 7 is supported by spaced angle brackets 8 attached to the lower edge of said shelf and to the bottom wall 9. The case is provided with a rear wall section 10 adjacent its bottom which projects some distance above the bottom wall or floor 9 and the top edge of said rear wall section 10 is inclined or beveled outwardly. A sheet of material 11, preferably of flexible material such as sheet metal, covers the floor 9 and is extended upwardly at the rear side of the cabinet over the beveled top edge of section 10 and has its outer end turned down and set into the exterior of said section. Guideways 12 are provided immediately outside of the rear top wall 6 and a vertically sliding door 13 is adapted to slide upwardly in said guideways and normally to be positioned with its lower inwardly beveled or inclined edge in contact with the sheet 11. The lower edge of said door 13 is beveled at the same angle as the top edge of the section 10 and thus at the same angle as the top surface of the sheet 11 and said door, preferably, is provided with a suitable lifting handle 14.

In operation, the material will be disposed

in the chamber formed by the said walls of the case and will rest upon the shelf 7 and the front portion of sheet 11. A certain portion of the material will flow rearwardly under the shelf 7. When the salesman desires to remove the material from the case he will raise the door 14 and insert a scoop or other implement through said door and scoop up the material on the sheet 11. It frequently happens that some material is dropped from the scoop or other implement and some of this material usually falls upon the top edge of the rear wall section. In structures of the prior art, such material would lodge on said edge and prevent the proper closing of the rear door. In the present construction, if the material falls on the rear top edge of the rear wall section 10, the said material will slide down the inclined surface of the sheet 11 back into the case chamber so that when door 13 is allowed to descend its lower beveled edge will always maintain a tight contact and closure with the sheet 11 where the same passes over the upper beveled edge of the rear wall section 10. The upper edge of said rear wall section is thus automatically kept clear of material and no trouble is experienced in having the door 13 properly seated. A tight closure is thus always maintained in the rear of the case.

From the above description it is seen that applicant has provided a simple and efficient display case from which the material can easily and efficiently be removed and dispensed. The device has been amply demonstrated in successful commercial use and found to be very efficient.

It will, of course, be understood, that various changes may be made in the form, details and arrangement of the parts without departing from the scope of applicant's invention, which, generally stated, consists in the matter shown and described and set forth in the appended claims.

What is claimed is:

1. A display case for loose or granular material having in combination, a main chamber having a rear opening therein adjacent its bottom, means for directing the bulk of the material forwardly away from said opening, a vertically slidable door at the rear of said case adapted to close said opening and having an inwardly beveled lower edge, a rear wall section extending above the bottom of said chamber having an outwardly beveled upper edge and a member of smooth sheet material extending across the bottom of said chamber and inclined up and over said upper edge of said rear wall section, the lower edge of said door seating on said sheet whereby any material dropped adjacent the lower part of said opening, will slide back into the chamber, a tight closure of said door against said sheet will be maintained and a rear bottom corner eliminated.

2. A display case for loose or granular material having in combination, a main chamber, a partition extending from the rear wall thereof downwardly toward the front wall having its lower end spaced from the front wall and the bottom of said chamber, said chamber having a rear opening below said partition, a vertically slidable door at the rear of said chamber adapted to close said opening and having an inwardly beveled lower edge, and a bottom member for said chamber extending upwardly at the rear thereof having an outwardly inclined surface at its rear edge with which the lower edge of said door cooperates whereby any material dropping on said bottom member will slide back into the chamber, a tight closure will be maintained by said door, and a rear bottom corner eliminated.

In testimony whereof I affix my signature.

HERBERT R. BOWE.

Certificate of Correction.

It is hereby certified that in Letters Patent No. 1,516,481, granted November 18, 1924, to Herbert R. Bowe, of Minneapolis, Minnesota, for an improvement in "Coffee-Display Cases," an error appears in the printed specification requiring correction as follows: Page 2, after line 87 insert the following as claim 3:

3. A display case for loose or granular material having in combination, a main chamber, a partition extending from the rear wall thereof downwardly toward the front wall having its lower end spaced from the front wall and the bottom of said chamber, said chamber having a rear opening below said partition, a slidable door at the rear of said chamber adapted to close said opening and having an inwardly beveled lower edge, and a bottom member for said chamber extending upwardly at the rear thereof having an outwardly inclined surface at its rear edge with which the lower edge of said door cooperates whereby any material dropping on said bottom member will slide back into the chamber, a tight closure will be maintained by said door, and a rear bottom corner eliminated.;
and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 14th day of April, A. D. 1925.

[SEAL.]

KARL FENNING,
Acting Commissioner of Patents.