MOUNTED DISPLAY CASE

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is based on and derives the benefit of the filing date of United States Provisional Patent Application No. 61/581,415, filed December 29, 2011. The entire content of this application is herein incorporated by reference in its entirety..

FIELD OF THE INVENTION

[0002] The present technology relates to display cases for displaying merchandise, and particularly to display cases that can be mounted on a vertical support

DESCRIPTION OF RELATED ART

[0003] Display cases for displaying retail merchandise typically sit on the floor and include at least one clear display window through which a customer can view the merchandise displayed within the case, creating a counter where a store employee is on one side of the display case and the customer on the opposite side. Such display cases normally have a lockable sliding back panel that can be opened by the employee, who can then reach into the display case to either stock the case or remove merchandise for inspection by a customer.

SUMMARY OF THE INVENTION

[0004] Embodiments of the present invention relate to display cases that can be mounted on a vertical support.

[0005a] According to a first aspect of the present invention there is provided a display case designed to be mounted on at least one vertical support, the display case comprising: ~~a frame comprising top and a plurality of sidewalls, the frame housing a first display area; a front viewing pane attached to the frame, wherein a first display area enclosed by the frame is visible through the front viewing pane; and a first display drawer slidably connected to the frame, the first display drawer having a closed position and an open position, wherein the first display drawer is enclosed within the first display area in the closed position and is extended beneath the first display area in the open position.~~ a frame comprising top and a plurality of sidewalls, the frame housing a first display area, the first display area comprising a back panel, a top panel

attached to a top of the frame, a left side panel attached to a left sidewall of the frame, and a right side panel attached to a right sidewall of the frame, wherein the top panel, the left side panel, and the right side panel each slant inwardly from an outer edge of the display case towards the back panel; a front viewing pane attached to the frame, wherein the first display area enclosed by the frame is visible through the front viewing pane; and a first display drawer slidably connected to the frame, the first display drawer having a closed position and an open position, wherein the first display drawer is enclosed within the first display area in the closed position and is extended beneath the first display area in the open position, the first display drawer comprising: a display face having a top end and a bottom end, the display face being inclined from a back of the first display area at the top end to a front of the display area at the bottom end when the first display drawer is in the closed position.

[0005b] According to a second aspect of the present invention, there is provided a display case designed to be mounted on at least one vertical support, the display case comprising: ~~a frame comprising a top and a plurality of sidewalls, the frame housing a first display area; a front viewing pane attached to the frame, wherein a first display area enclosed by the frame is visible through the front viewing pane; and a first display drawer slidably connected to the frame, the first display drawer having a closed position and an open position, wherein the first display drawer is enclosed within the first display area in the closed position and is extended beneath the first display area in the open position, the first display drawer comprising: a display face having a left side and a right side; a side plate connected to each side of the display face; and a support arm connected to each side plate at an angle of less than about 180°.~~ a frame comprising a top and a plurality of sidewalls, the frame housing a first display area; a front viewing pane attached to the frame, wherein the first display area enclosed by the frame is visible through the front viewing pane; and a first display drawer slidably connected to the frame, the first display drawer having a closed position and an open position, wherein the first display drawer is enclosed within the first display area in the closed position and is extended beneath the first display area in the open position, the first display drawer comprising: a display face having a left side and a right

side; a side plate connected to each side of the display face; and a support arm connected to each side plate; wherein each side plate comprises a slide groove that receives a bearing wheel secured to the frame of the display cases, each slide groove being curved to allow the display face of the display drawer to pivot from being inclined when the display drawer is in the closed position to a more horizontal position when the display drawer is in the open position.

[0005c] In one embodiment, display cases are provided that include a frame having a top and a plurality of sidewalls, the frame housing a first display area, as well as a front viewing pane attached to the top and the sidewalls. There can be a first display area that is enclosed by the frame, which is visible through the front viewing pane. A first display drawer can be slidably connected to the frame, and can have a closed position and an open position, wherein the first display drawer is enclosed within the first display area in the closed position and is extended beneath the first display area in the open position. The display case can also include a first locking mechanism that locks the first display drawer in the closed position.

CLAIMS

~~What is claimed is:~~

1. A display case designed to be mounted on at least one vertical support, the display case comprising:

a frame comprising top and a plurality of sidewalls, the frame housing a first display area, the first display area comprising a back panel, a top panel attached to a top of the frame, a left side panel attached to a left sidewall of the frame, and a right side panel attached to a right sidewall of the frame, wherein the top panel, the left side panel, and the right side panel each slant inwardly from an outer edge of the display case towards the back panel;

a front viewing pane attached to the frame, wherein ~~a~~ the first display area enclosed by the frame is visible through the front viewing pane; and

a first display drawer slidably connected to the frame, the first display drawer having a closed position and an open position, wherein the first display drawer is enclosed within the first display area in the closed position and is extended beneath the first display area in the open position, the first display drawer comprising:

a display face having a top end and a bottom end, the display face being inclined from a back of the first display area at the top end to a front of the display area at the bottom end when the first display drawer is in the closed position.

2. The display case of claim 1, further comprising:

a rear viewing pane attached to the frame, wherein a second display area enclosed by the frame is visible through the rear viewing pane; and

a second display drawer slidably connected to the frame, the second display drawer having a closed position and an open position, wherein the second display drawer is enclosed within the second display area in the closed position and is extended beneath the second display area in the open position.

3. The display case of claim 1, wherein the display case has a case depth, and the first display area has a depth that is up to about half of the case depth.

4. The display case of claim 1, wherein the display face ~~first display drawer~~ comprises:

~~a display face having~~ a left side and a right side;

a side plate connected to each side of the display face; and

a support arm connected to each side plate at an angle of less than about 180°.

5. The display case of claim 4, wherein each support arm is slidably connected to a vertical track secured to the frame of the display case.

6. The display case of claim 4, wherein each side plate comprises a slide groove that receives a bearing wheel secured to the frame of the display case.

7. The display case of claim 6, wherein each slide groove is curved and allows the display face of the display drawer to pivot from ~~an~~ being inclined ~~position~~ when the display drawer is in the closed position to a more horizontal position when the display drawer is in the open position.

8. The display case of claim 4, wherein the first display drawer further comprises at least one display panel that removably attaches to the display face.

9. The display case of claim 8, wherein the first display drawer comprises a plurality of display panels and each display panel removably attaches to the display face.

10. The display case of claim 8, wherein the at least one display panel comprises at least one slot that receives an article of merchandise to be displayed.

11. The display case of claim 8, wherein the at least one display panel magnetically attaches to the display face.

12. The display case of claim 1, further comprising:

a merchandise gathering tray removably attached to an underside of the first display drawer.

13. A display case designed to be mounted on at least one vertical support, the display case comprising:

a frame comprising a top and a plurality of sidewalls, the frame housing a first display area;

a front viewing pane attached to the frame, wherein ~~a~~ the first display area enclosed by the frame is visible through the front viewing pane; and

a first display drawer slidably connected to the frame, the first display drawer having a closed position and an open position, wherein the first display drawer is enclosed within the first display area in the closed position and is extended beneath the first display area in the open position, the first display drawer comprising:

a display face having a left side and a right side;

a side plate connected to each side of the display face; and

a support arm connected to each side plate; ~~at an angle of less than about 180°~~

wherein each side plate comprises a slide groove that receives a bearing wheel secured to the frame of the display cases, each slide groove being curved to allow the display face of the display drawer to pivot from being inclined when the display drawer is in the closed position to a more horizontal position when the display drawer is in the open position.

14. The display case of claim 13, wherein each support arm is slidably connected to a vertical track secured to the frame of the display case.

~~15. The display case of claim 13, wherein each side plate comprises a slide groove that receives a bearing wheel secured to the frame of the display case.~~

~~16. The display case of claim 15, wherein each slide groove is curved and allows the display face of the display drawer to pivot from an inclined position when the display drawer is in the closed position to a horizontal position when the display drawer is in the open position.~~

~~17~~15. The display case of claim 13, wherein the first display drawer further comprises at least one display panel that removably attaches to the display face.

~~18~~16. The display case of claim ~~17~~15, wherein the first display drawer comprises a plurality of display panels and each display panel removably attaches to the display face.

~~19~~17. The display case of claim ~~17~~15, wherein the at least one display panel comprises at least one slot that receives an article of merchandise to be displayed.

~~20~~18. The display case of claim ~~17~~15, wherein the at least one display panel magnetically attaches to the display face.

~~21~~19. The display case of claim 1, further comprising a first locking mechanism that locks the first display drawer in the closed position.

~~22~~20. The display case of claim 2, further comprising a ~~second~~ locking mechanism that locks the second display drawer in the closed position.