Feb. 25, 1964

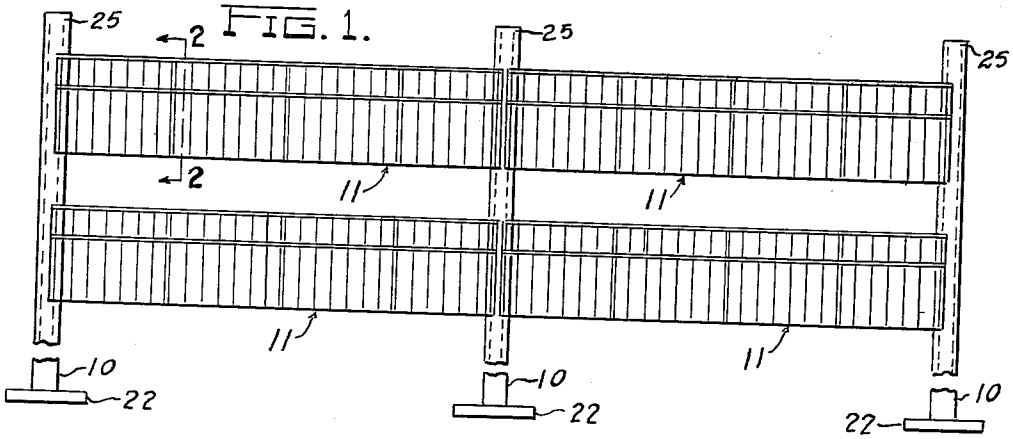
F. F. BRUNETTE

3,122,238

DISPLAY ASSEMBLIES

Filed Oct. 8, 1962

FIG. 1.



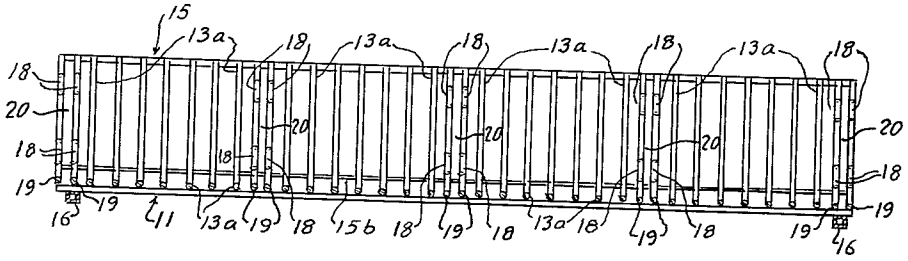
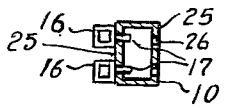


FIG. 5.

FIG. 4.



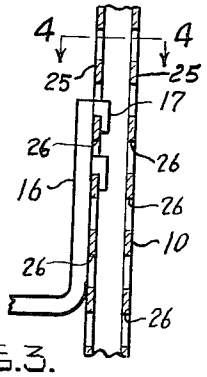


FIG. 3.



FIG. 6.

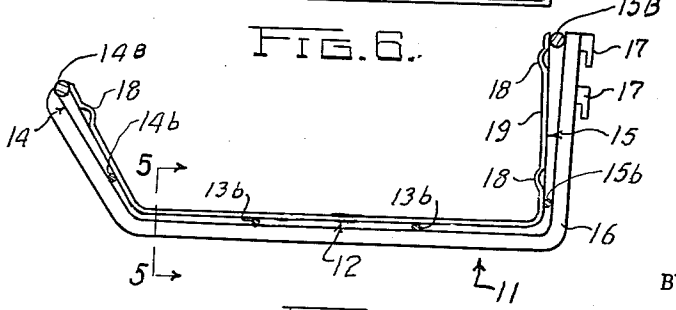


FIG. 2.

INVENTOR.

Fredrick F. Brunette

BY

Hauke & Hauke

ATTORNEYS

United States Patent Office 3,122,238 Patented Feb. 25, 1964

3,122,238
DISPLAY ASSEMBLIES

Fredrick F. Brunette, Farmington, Mich., assignor to Brilliant Products Incorporated, Farmington, Mich., a corporation of Michigan

Filed Oct. 8, 1962, Ser. No. 229,042
27 Claims. (Cl. 211—126)

The present invention relates to devices for displaying articles for sale and more particularly to such a device having readily adjustable shelving units and means for dividing the shelving units into a number of individual compartments.

In self service department stores, grocery stores and the like a need has arisen for a single display device which is capable of being used to display a variety of articles having varying shapes and sizes and in different quantities. Because inventories are constantly changing and new items are continually being introduced such a device must be readily adjustable after it has been installed to accommodate the changing quantities and new items being offered for sale. The display device of the present invention meets this need.

It is an object then of the present invention to provide a readily adjustable display device by providing a simplified structure having vertically adjustable shelving units and removable dividers for separating the shelving units into individual compartments of varying sizes.

It is yet another object of the present invention to increase the versatility of shelf type display racks by providing such a rack having vertically adjustable shelving units and removable dividers for separating the shelving units into individual compartments of varying sizes.

It is yet another object of the present invention to increase the versatility of shelf type display racks by providing such a rack having a closed front shelf and being adapted to be abutted against a similar adjacent shelf to provide a multiple length compartment for displaying goods.

It is still another object of the present invention to increase the strength of display racks having basket type shelves by providing a pair of C-shaped tubular support members secured to the underside of the shelf.

Still further objects and advantages of the present invention will readily occur to one skilled in the art to which the invention pertains upon reference to the following drawings in which like characters refer to like parts throughout the several views and in which

FIG. 1 is a front elevational view of a display assembly of the present invention.

FIG. 2 is a fragmentary cross-sectional view taken substantially at line 2—2 of FIG. 1 somewhat enlarged and with portions removed for purposes of clarity.

FIG. 3 is a fragmentary cross sectional view of the structure shown in FIG. 1 enlarged somewhat for purposes of clarity.

FIG. 4 is a cross sectional view taken substantially at line 4—4 of FIG. 3.

FIG. 5 is a cross sectional view taken substantially at line 5—5 of FIG. 2.

FIG. 6 is a side elevational view of a divider member of the present invention.

Now referring to the drawings for a more detailed description of the present invention, FIG. 1 illustrates a preferred assembly as comprising a plurality of spaced vertically extending parallel framing members 10 carrying a plurality of shelving units 11.

As can best be seen in FIG. 2, each of the shelving units 11 is preferably substantially C-shaped in lateral cross section and comprises a substantially horizontal bottom portion 12 preferably constructed of laterally and longitudinally extending wire members 13*a*—13*b* respectively. A similarly constructed front portion 14 and a back portion 15 are provided angling upwardly from the bottom portion 12 and integral therewith.

A pair of longitudinally spaced substantially C-shaped tubular support members 16 are each secured to the front portion 14, the bottom portion 13 and the back portion 15 of the shelving unit 11 to provide support therefor. Each of the support members 16 carries slotted double hook members 17 on its end adjacent the back portion 15.

The laterally extending wire members 13*a* of the bottom portion 12 preferably extend as shown to form a part of the front portion 14 and back portion 15. Heavier longitudinally extending wire members 14B and 15B are provided in the front portion 14 and the back portion 15 respectively and substantially parallel to the wire members 13*b*.

A plurality of pairs of spaced parallel laterally extending wire members 19 are provided above and secured to the longitudinally extending wire members 13*b*, 14*b* and 15*b* to form a plurality of laterally extending slots 20. The wire members 19 are bent inwardly as at 18 at spaced intervals to provide retaining tabs at the sides of the slots 20.

As can best be seen in FIG. 5, one of the slots 20 is formed at each end of the shelving unit 11 and a plurality of preferably equally spaced slots 20 are provided intermediate the ends of the shelving unit 11. A wire formed divider member 21 as shown in FIG. 6 is adapted to be carried selectively in one of the slots 20.

The framing members 10 are preferably tubular as can best be seen in FIGS. 1, 3 and 4, each preferably comprising a base plate 22 adapted to be secured to the floor by bolts or screws (not shown). A vertically extending flat surface 25 is preferably provided with a plurality of equally spaced slots 26. The slots 26 are preferably arranged in a pair of parallel vertically extending rows and are adapted to receive the hook members 17 of adjacent shelving units 11 as can best be seen in FIG. 4.

FIG. 1 illustrates one of the many possible combinations which can be produced by the shelving units 11 and framing members 10 of the present invention. By removing the divider members 21 of a number of adjacent shelving units 11 an individual compartment can be produced of any desired length. The shelving units 11 can be used as separate units by inserting the divider members 21 in the end slots 20 or it may be used in combination with any number of other shelving units 11. Each shelving unit 11 may be readily individually removed and placed in a new vertical position on the framing members 10. Any number of shelving units 11 may be carried on a pair of the framing members 10. Unlike other shelving units now being used, the divider members 21 do not provide support for the unit. Instead support is provided by the support members 16 and thus adequate support for the shelving unit 11 is provided even though no divider members 21 are used.

Although I have described but one embodiment of the present invention, it is apparent that other changes and modifications may be readily made without departing from the spirit of the invention or the scope of the appended claims.

I claim:

1. An assembly for displaying articles for sale and the like comprising

(*a*) a pair of spaced vertically extending frame members,

(*b*) a shelving unit removably adjustably carried by said framing members,

(*c*) said shelving unit comprising a flat bottom portion, a back portion and a front portion,

(*d*) a plurality of slots formed in said shelving unit,

(*e*) each of said slots being provided in said back

portion, said bottom portion and said front portion,

(*f*) divider members removably carried in said slots, and

(*g*) said shelving unit further comprising a pair of spaced substantially C shaped support members, each of said support members being secured to said back portion, said bottom portion and said front portion.

2. The assembly as defined in claim 1 and in which

(*a*) said vertically extending framing members are provided with a plurality of longitudinally extending slots, and

(*b*) said shelving unit being provided with a pair of spaced hook members removably carried in a pair of said framing member slots.

3. A display container assembly for displaying articles for sale and the like comprising

(*a*) a pair of spaced vertically extending frame members,

(*b*) a shelving unit and means for removably adjustably attaching said shelving unit to said frame members,

(*c*) said shelving unit comprising a flat bottom portion, an upwardly extending front portion and an upwardly extending back portion, and a pair of spaced substantially C-shaped support members each being secured to said back portion, said bottom portion and said front portion.

4. The assembly as defined in claim 3 and in which said support members are tubular.

5. The assembly as defined in claim 3 and in which said bottom portion, said front portion, and said back portion are constructed of wire members and each of said support members has a greater cross sectional area than the cross sectional area of any one of said wire members.

6. A display container assembly for displaying articles for sale and the like comprising a plurality of shelving units and means adapted to removably adjustably carry said shelving units in an end to end position each of said shelving units comprising

(*a*) a flat bottom portion and an upwardly extending back portion each being of a wire construction,

(*b*) at least a pair of tubular support members in a spaced position and being secured to said back portion and said bottom portion, and

(*c*) said carrying means being attached to said support members.

7. The assembly as defined in claim 6 and including divider members carried by said back portion and said bottom portion.

8. The assembly as defined in claim 6 and including a front portion and extending upwardly from said bottom portion and said support members also being secured to said front portion.

9. A display container for displaying articles for sale and the like, said container consisting only of

(*a*) a flat bottom portion and an upwardly extending back portion each of said portions being of a wire construction,

(*b*) a pair of non-wire support members each being secured to said bottom portion and said back portion and carrying means adapted for attaching said container to a slotted framing member or the like, and

(*c*) divider members removably carried by said back portion and said bottom portion.

10. A display container for displaying articles for sale and the like said container consisting of

(*a*) a flat bottom portion, an upwardly extending front portion and an upwardly extending back portion each being of a wire construction,

(*b*) a pair of substantially C-shaped non-wire support members each being secured to said front portion, said bottom portion and said back portion whereby said back portion and said front portion are held in a relatively fixed position, and

(*c*) divider members removably carried in a position extending between said front portion and said back portion.

11. An assembly for displaying articles for sale and the like comprising,

(*a*) a pair of spaced vertically extending frame members,

(*b*) a shelving unit removably adjustably carried by said framing members,

(*c*) said shelving unit comprising a bottom portion, an upwardly extending back portion and an upwardly extending front portion,

(*d*) said shelving unit further comprising wire members being closely spaced in pairs and extending from the upper edge of said back portion through said bottom portion and to the upper edge of said front portion to define a plurality of slots, and

(*e*) divider members removably carried in said slots.

12. The assembly as defined in claim 11 and including wire members disposed beneath said slot forming wire members and secured thereto, said last mentioned wire members extending substantially normal to said slot forming wire members.

13. The assembly as defined in claim 11 and in which

(*a*) said vertically extending frame members are provided with a plurality of longitudinal spaced and longitudinally extending slots, and

(*b*) said shelving unit being provided with a pair of spaced hook members removably carried in a pair of said framing member slots.

14. The assembly as defined in claim 11 and in which said shelving unit further comprises a pair of spaced substantially C shaped support members, each of said support members being secured to said back portion, said bottom portion and said front portion.

15. The assembly as defined in claim 12 and in which at least one of said last mentioned wire members is provided in each of said back portion, said bottom portion and said front portion and in which said shelving unit further comprises a pair of substantially C shaped support members, each of said support members being secured to each of said last mentioned wire members in a position spaced inwardly from the ends thereof.

16. An assembly for displaying articles and the like comprising

(*a*) at least three spaced parallel vertically extending framing members,

(*b*) each of said framing members being provided with at least one slot and the framing member disposed intermediate the other two of said framing members being provided with at least a pair of laterally spaced slots,

(*c*) a first shelving member removably carried in the slot of one of said framing members and one of said slots of the intermediate framing member,

(*d*) a second shelving unit carried in the slot of the other of said framing members and the other of said slots of the intermediate framing member,

(*e*) each of said shelving units being substantially C-shaped in lateral section and having open ends,

(*f*) said shelving units being carried in substantially abutting relationship, and

(*g*) said shelving units including laterally extending slots and divider members removably carried in said slots, and

(*h*) each of said shelving units further comprising a substantially C-shaped support member and hook means carried by said support member and engaging in said framing member slots.

17. An assembly for displaying articles and the like comprising

(*a*) at least three spaced parallel vertically extending framing members,

(*b*) each of said framing members being provided with at least one slot and the framing member disposed intermediate the other two of said framing members being provided with at least a pair of laterally spaced slots,

(*c*) a first shelving member removably carried in the slot of one of said framing members and one of said slots of the intermediate framing member,

(*d*) a second shelving unit carried in the slot of the other of said framing members and the other of said slots of the intermediate framing member, and

(*e*) said shelving units further comprising a substantially C-shaped support member and hook means carried by said support member and engaging in said framing member slots.

18. A display container for displaying articles for sale and the like comprising

(*a*) a flat bottom portion and an upwardly extending back portion,

(*b*) a pair of support members each being secured to said bottom portion and said back portion and extending from closely adjacent the upper edge of said back portion and beneath said bottom portion whereby said container is supported on top of said support members, and

(*c*) means carried by said support members adapted to removably adjustably attach said container to a framing member or the like.

19. The container as defined in claim 18 and including removable divider members carried by said back portion and said a bottom portion.

20. A display container for displaying articles for sale and the like comprising

(*a*) a flat bottom portion and an upwardly extending back portion,

(*b*) a pair of support members each being secured to said bottom portion and said back portion and each being spaced inwardly from the ends of said display container, and

(*c*) means carried by said support members adapted to removably adjustably attach said container to a framing member.

21. A display container for displaying articles for sale and the like comprising

(*a*) a flat bottom portion and an upwardly extending back portion,

(*b*) a pair of support members each being carried in a position spaced inwardly from the ends of said container and extending from closely adjacent the upper edge of said back portion and beneath said bottom portion,

(*c*) means carried by said support members adapted to removably adjustably attach said container to a framing member or the like.

22. The container as defined in claim 3 and in which

(*a*) said bottom portion, said front portion and said back portion are constructed of wire members, and

(*b*) each of said support members being secured to at least some of said wire members and extending from closely adjacent the upper edge of said back portion beneath said bottom portion to a point closely adjacent the upper edge of said front portion.

23. The container as defined in claim 3 and in which said support members are each spaced inwardly from the ends of said container.

24. The container as defined in claim 3 and in which

(*a*) said bottom portion, and said back portion are constructed of wire members, and

(*b*) each of said support members being secured to at least some of said wire members and extending from closely adjacent the upper edge of said back portion beneath said bottom portion to a point closely adjacent the upper edge of said front portion,

(*c*) each of said support members being spaced inwardly from the ends of said container.

25. A display container for displaying articles for sale and the like comprising

(*a*) a flat bottom portion, an upwardly extending back portion, and an upwardly extending front portion,

(*b*) a pair of support members each being secured to at least said back portion and said bottom portion,

(*c*) said support members each extending from said back portion and beneath said bottom portion, and

(*d*) means carried by said support members adapted to removably adjustably attach said container to a framing member or the like.

26. The container as defined in claim 25 and in which each of said support members is spaced inwardly from the ends of said container.

27. The assembly as defined in claim 11 and in which said pairs of wire members are provided with closely adjacent upwardly bent portions retaining said dividers.

References Cited in the file of this patent

UNITED STATES PATENTS

2,868,391	Sides	Jan. 13, 1959
2,891,678	Levy	June 23, 1959
2,982,423	Handler	May 2, 1961