June 15, 1937. P. H. MEYER 2,083,791

SHELF CONSTRUCTION FOR WALL COUNTERS

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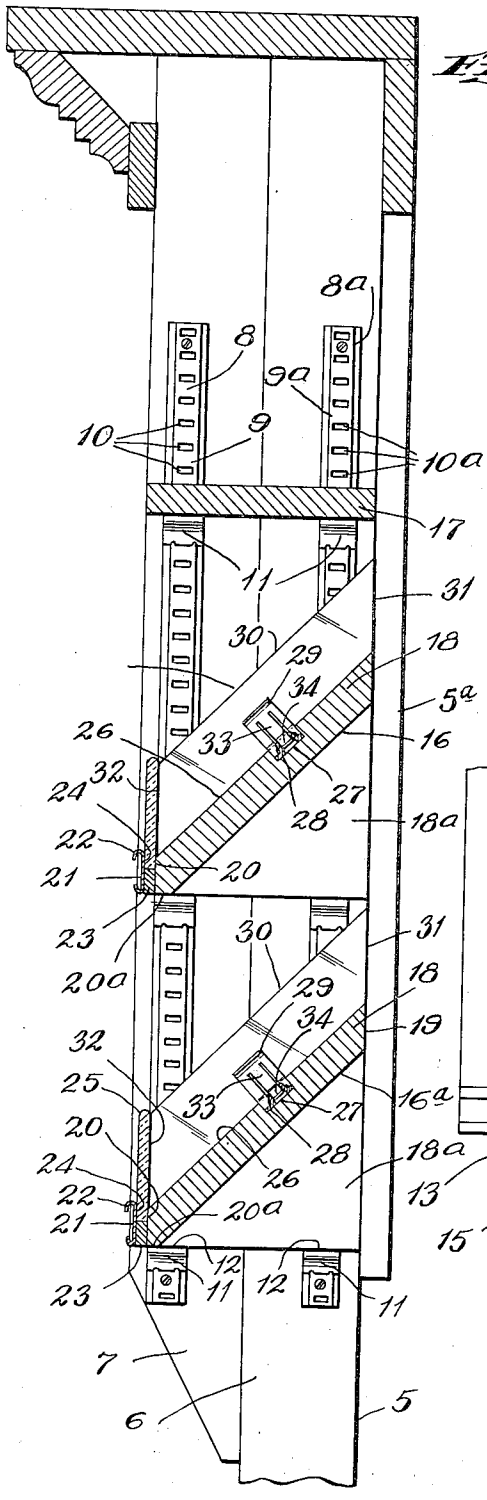

Fig. 1.

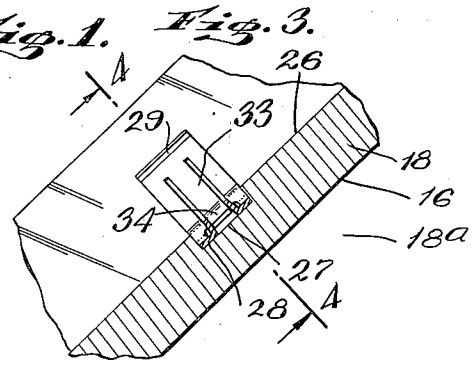

Fig. 3.

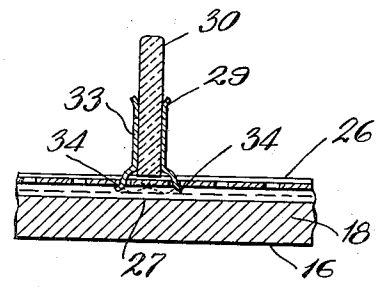

Fig. 4.

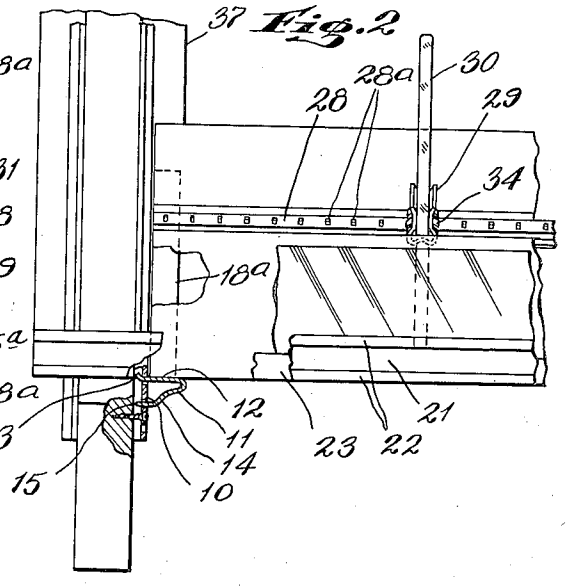

Fig. 2.

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SHELF CONSTRUCTION FOR WALL COUNTERS

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3 Claims. (Cl. 211—147)

This invention relates to shelf constructions and the manner of supporting the same in connection with wall counters or the upright supporting standards for the rear shelving thereof; and the object of the invention is to provide an inclined shelf member having means thereon for supporting the same upon brackets detachably and adjustably coupled with vertically arranged perforated strips arranged on adjacent surfaces of the counter standards in adjustably supporting the inclined shelf in different positions vertically on said standards; a further object being to provide means for supporting a front article retaining strip or plate in connection with the inclined shelf to retain articles against displacement therefrom; a further object being to provide the upper surface of the shelf with an apertured strip countersunk therein to provide means for adjustably supporting vertical partition strips or plates longitudinally of the shelf to divide the upper surface thereof into separate bins or compartments; and with these and other objects in view, the invention consists in a device of the class and for the purpose specified, which is simple in construction, efficient in use, and which is constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:

Fig. 1 is a vertical section through the upper end portion of the standards of a wall counter construction showing two of my inclined shelves arranged thereon.

Fig. 2 is a front and sectional view of one end portion of the shelf illustrating its mounting upon one of the standards.

Fig. 3 is an enlarged detail view of a part of the construction shown in Fig. 1; and,

Fig. 4 is a partial section on the line 4—4 of Fig. 3.

The invention shown and described herein constitutes a division of the subject matter shown and described in my prior application, Serial Number 744,157, which recently issued in Patent Number 2,047,794, granted July 14, 1936. In the accompanying drawing, I have shown at 5, one of the standards extending upwardly at the rear of a wall counter construction such as disclosed in said patent, the standard consisting of separate parts or boards 6 and 7 which are secured together in edge to edge relation to form a relatively wide upper shelf supporting portion on the inner surface of which are secured mounting strips 8, 8*a*, arranged vertically on the parts 6 and 7, said strips having outwardly projecting portions 9, 9*a* having longitudinally and equally spaced apertures 10, 10*a* in connection with which shelf supporting brackets 11 are detachably and adjustably coupled. The upper surfaces 12 of the brackets are straight and terminate at their ends in hook-shaped tongues 13 adapted to enter one of the apertures 10—10*a*, whereas the end portion 14 of the bracket extends downwardly in the form of a spring arm terminating at its end in a tongue 15 adapted to tensionally engage an adjacent aperture 10—10*a* in supporting the bracket in position.

In Fig. 1 of the drawing, I have shown at 16, 16*a* two of my improved inclined shelf constructions, and the brief description of one will apply to both, whereas, at 17 I have shown a flat or horizontal shelf arranged in the upper end portion of the standards 5.

Each shelf unit 16 consists of a shelf board 18, the rear end portion of which is preferably beveled as seen at 19 to fit within back strips 5*a* of the standard 5, whereas, the lower front edge of the strip is also cut away or beveled as indicated at 20. Attached to the edge 20 is a price ticket supporting strip 21 recessed as seen at 22 to receive a price ticket. This strip 21 projects sufficiently above a spacing strip 23, which is disposed between the strip 21 and edge 20 to form a groove 24 in which a thin, elongated glass strip 25 is adapted to be supported. This strip forms a front article retaining wall for the front lower edge portion of the shelf and will be of sufficient height to provide the desired depth of the compartment to be formed on the upper surface 26 of the shelf 18.

The upper surface of the shelf 18 is provided substantially centrally thereof with a longitudinal groove 27 in which is mounted an apertured strip 28 similar to the strips 8, 8*a*. I also provide U-shaped partition supporting clips 29 for detachably and adjustably supporting partition strips 30 upon the upper surface 26 of the shelf 18. Said strips 30 are preferably beveled at the upper and lower ends thereof as indicated at 31 and 32 so as to fit within the rear wall strip 5*a* and upon the inner surface of the front wall strip 25 as clearly shown. The U-shaped partition supporting clips 29 have at the sides thereof spring arms 33 terminating at their lower ends in hook-shaped extensions 34 which are adapted to engage adjacent apertures 28*a* in the strip 28

in securing said clips against displacement from said strip 28. The clips 29 may be positioned longitudinally of the shelf 18 to divide the upper surfaces thereof into several compartments of different areas to suit different kinds and classes of merchandise to be displayed thereon. In this connection, it will also be understood that in many cases, the partition strips 30 are not essential, in which event, the clips 29 will be removed, and this is especially true in supporting elongated articles on the shelf, or where the necessity for forming separate bins or compartments is not required.

At each end of the shelf 18 is a downwardly projecting triangular supporting portion 18*a* having a flat lower surface 18*b* arranged in alinement with the lower beveled surface 20*a* of the shelf 18 so as to support the inclined shelf 18 upon two of the brackets 11 arranged in horizontal alinement on the supporting strips 8, 8*a*.

From the foregoing, it will be apparent that the inclined shelf construction consisting of the parts 18, 18*a*, 21, 23, 26 as well as the strip or wall portions 25 and 30 if arranged thereon, may be, as a unit, adjusted vertically into any desired position upon the standard 5 or the strips 8, 8*a* thereof by simply raising or lowering a pair of brackets 11 on the strips 8, 8*a* to support the shelf unit in the desired position of adjustment. In this connection, the entire standard may have all inclined shelves arranged thereon, or any combination of inclined or horizontal shelves may be employed, depending entirely upon the type or kind of merchandise to be displayed.

An inclined shelf unit of the class described will provide means for effectively displaying various kinds and classes of merchandise so as to render the merchandise visible to a customer notwithstanding the fact that the customer may be at a far distance from the shelving, and especially, where the latter is at the rear portion of a counter unit such as disclosed in my patent heretofore cited. A shelf unit of the character described will be simple and economical in construction, and by arranging the recess or channeled ticket supporting strip 22 at the lower forward edge of the unit, the usual price tickets may be directly associated with each article or group of articles supported upon and spaced longitudinally of the shelf, it being understood that the strip 21 extends the full length of the shelving and that a ticket may be arranged in front of each bin or compartment formed on the shelf unit.

While only a single standard is shown in the accompanying drawing, the opposed standard will be of the same construction and have the same arrangement of strips 8, 8*a* thereon so as to support both ends of each shelf unit, and as shown in the patent above referred to, a number of said standards may be arranged in spaced relation to provide spaced shelf sections.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. In shelving of the class described having spaced standards, opposed surfaces of which are provided with pairs of vertically arranged shelf supporting strips having longitudinally spaced apertures arranged in common horizontal alinement thereon, shelf supporting brackets detachably and adjustably supported on said strips, a shelf unit involving a shelf board arranged in an upwardly and rearwardly inclined position within and between the opposed standards, and the end portions of said board having supports provided with horizontal lower surfaces and upwardly and rearwardly inclined upper surfaces for supporting the shelf upon horizontally disposed brackets arranged on said shelf supporting strips.

2. In shelving of the class described having spaced standards, opposed surfaces of which are provided with pairs of vertically arranged shelf supporting strips having longitudinally spaced apertures arranged in common horizontal alinement thereon, shelf supporting brackets detachably and adjustably supported on said strips, a shelf unit involving a shelf board arranged in an upwardly and rearwardly inclined position within and between the opposed standards, the end portions of said board having supports provided with horizontal lower surfaces and upwardly and rearwardly inclined upper surfaces for supporting the shelf upon horizontally disposed brackets arranged on said shelf supporting strips, and means for detachably supporting an article retaining wall at the front lower edge portion of said shelf board.

3. The combination with standards having spaced apertured shelf supporting strips arranged vertically thereon and including adjustable brackets, of a shelf unit consisting of a shelf member, means at the end portions and lower surfaces of said shelf member for supporting the same in inclined position upon the brackets coupled with the supporting strips of said standard and arranged in horizontal alinement thereon, the forward or lower edge of the inclined shelf having a longitudinal groove at the upper surface thereof adapted to support a front upwardly extending wall strip arranged longitudinally of said shelf.

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