This invention relates to an upright standard, especially for modular shelving.

One object of my invention is to provide an upright standard made of a minimum amount of metal which serves to support shelving, said brackets for both sides of said upright standard, and also rearwardly and forwardly thereof. In other words, one upright standard provides support for what commonly requires two standards.

Another object is to so form said upright standard that it supports four supporting brackets at one end, without bolts, whereby four sets of shelves are supported, at one end, by my upright standard.

A further object is to provide such an upright standard that readily receives brackets to support shelves, and from which said bracket may readily be removed, while said standard remains stationary.

The foregoing and other objects which will appear as the nature of the invention is better understood, may be accomplished by a construction such as is disclosed by the drawings. The nature of the invention is such as to render it susceptible to various changes and modifications, and therefore, I am not to be limited to the construction disclosed by the drawings nor to the particular parts described in the specifications; but am entitled to all such changes therefrom as fall within the scope of my claims.

In the drawings:

Figure 1 is an end elevational view of an assembly of shelves, showing my upright standard located at a point intermediate of the end extremities of said assembly.

Figure 2 is a sectional view, enlarged, taken on the line 2—2 of Figure 1.

Figure 3 is an enlarged, fragmentary elevational view of my upright standard.

As illustrated, my upright standard 10 in used in pairs to provide support at each end for shelf supporting brackets. Each said upright standard 10 can serve as a support for four sets of shelves at one end and thereupon as shown in Figure 1 of the drawings.

It includes a central portion 12 which extends diagonally in top plan view as shown in Figure 2 of the drawings. Integral therewith and extending laterally therefrom is a bracket supporting portion 14 that is offset, in one direction, from said central portion 12 and another bracket supporting portion 16 that extends laterally beyond and is offset in the opposite direction from said portion 14.

Integral therewith and extending laterally from said central portion 12 in a direction opposite to that of said portions 14 and 16, is a bracket supporting portion 18 that is offset from said central portion 12, preferably being in an approximate horizontal alignment with said portion 16. Another bracket supporting portion 20 extends laterally beyond and is offset in the opposite direction from said portion 18, being preferably in approximate horizontal alignment with said portion 14.

These four bracket supporting portions, because of their offset position relative to each other, as shown, provide recesses to receive studs 22 for a purpose later explained, and also strengthen said upright standard.

Each said bracket supporting portion 14, 16, 18 and 20 has a plurality of holes 23 thereto and key-holes shaped as shown in said Figure 3. Said studs 22 extend into said holes 23 and rest on said bracket supporting portions at the lower edges of said holes 23, being kept from passing through said holes by enlarged heads 38.

Angle pieces 24, the two portions of which preferably form an obtuse angle relative to each other, provide further strength for the assembly, one angular part thereof being welded to, while the other extends away from, said central portion 12. In an upright standard 10 used in an intermediate position in the shelving assembly, there are two said angle pieces 24 which are welded to and opposite sides of said central portion 12 and extend away from each other in opposite directions as shown in said Figure 2. The back panels 36 are bolted, as at 27, thereto.

To support the usual shelves 5 between said upright standards 10, brackets 26 are provided, one said bracket 32 being attached by a said stud 22 to said bracket supporting portion 18 while another said bracket 34 is attached to said portion 16, said brackets 32 and 34 preferably being approximately in the same horizontal plane in position of use, and each being adapted to support the end extremity of one shelf. On the other said upright standard 10 is a shelf supporting bracket 30 which is attached to said portion 14 while another said bracket 36 is attached to said portion 20, said brackets 36 and 38 preferably being approximately in the same horizontal plane in position of use and each being adapted to support the end extremity of one shelf other than the two shelf end extremities that are supported by said brackets 32 and 34.

Thus it will be seen that two of said upright standards 10, when located at intermediate points in the assembly, serve to entirely support four sets of shelves 5, the number of shelves in each set depending upon the height of the upright standard and how close the shelves are to each other.

What I claim is:

1. An upright standard for a shelving assembly comprising an integral, upright member formed with a central portion, two bracket supporting portions extending laterally from opposite ends of said central portion, one being in an offset relationship thereto and to each other, said central portion extending substantially diagonal with relation to said bracket supporting portions in top plan view, and two other oppositely extending bracket supporting portions extending laterally from and outwardly beyond the two first-mentioned supporting portions and in offset relationship thereto and to each other, said bracket supporting portions providing recesses and having holes through said recessed portions to receive bracket attaching means, and two angle pieces to support back panels at opposite sides of said central portion, one angular part of each said angle piece adjoining and being attached to a part of said central portion and forming an obtuse angle with the other angular part thereof.

2. An upright standard for a shelving assembly comprising an integral, upright member formed with a central portion, two bracket supporting portions extending laterally from opposite ends of said central portion in offset relationship thereto and to each other, said central portion extending substantially diagonal with relation to said bracket supporting portions in top plan view, and two other oppositely extending bracket supporting portions extending laterally from and outwardly beyond the two first-mentioned supporting portions and in offset relationship thereto and to each other, said bracket supporting portions providing recesses and having holes through said recessed portions to receive bracket attaching means, and two angle pieces to support back panels at opposite sides of said central portion, one angular part of each said angle piece adjoining and being attached to a part of said central portion and forming an obtuse angle with the other angular part thereof.

3. An upright standard for a shelving assembly comprising an integral upright member formed with a central portion, two bracket supporting portions extending laterally from opposite ends of said central portion in offset relationship thereto and to each other, said central portion extending substantially diagonal with relation to said bracket supporting portions in top plan view, and two other oppositely extending bracket supporting portions extending laterally from and outwardly beyond the two
first-mentioned supporting portions and in offset relationship thereto and to each other, said bracket supporting portions providing recesses and having holes through said recessed portions to receive bracket attaching means, and an angle piece to support a back panel at a side of said central portion, one angular part of said angle piece adjoining and being attached to a part of said central portion and forming an obtuse angle with the other angular part thereof.

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