F. M. O'CONNOR.

STORE FIXTURE.

APPLICATION FILED NOV. 22, 1920.

1,389,973.

Patented Sept. 6, 1921.

2 SHEETS—SHEET 1.

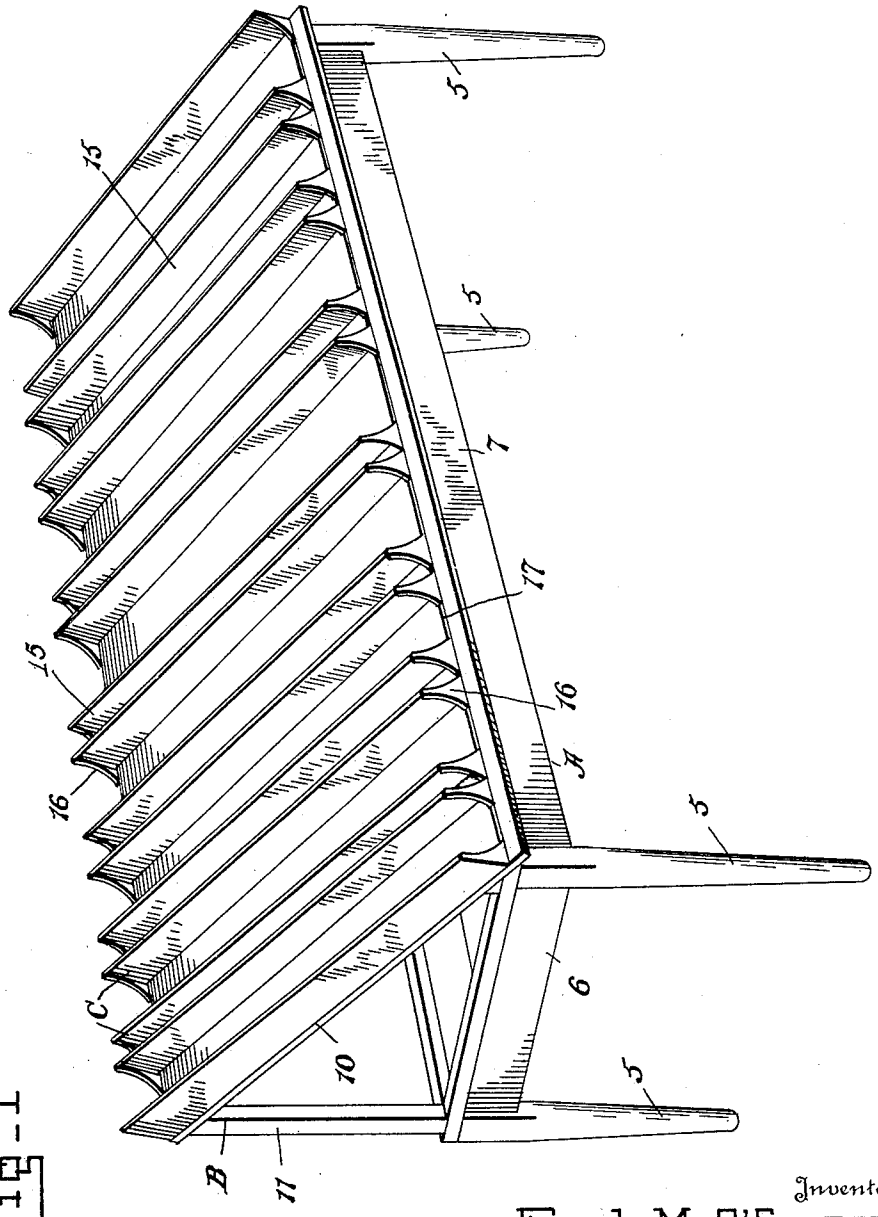


Fig. 1

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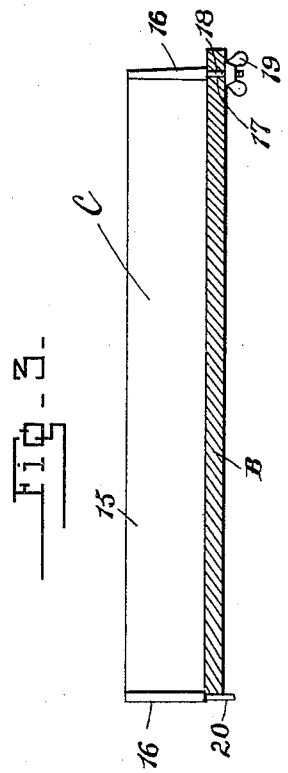


Fig. 3.

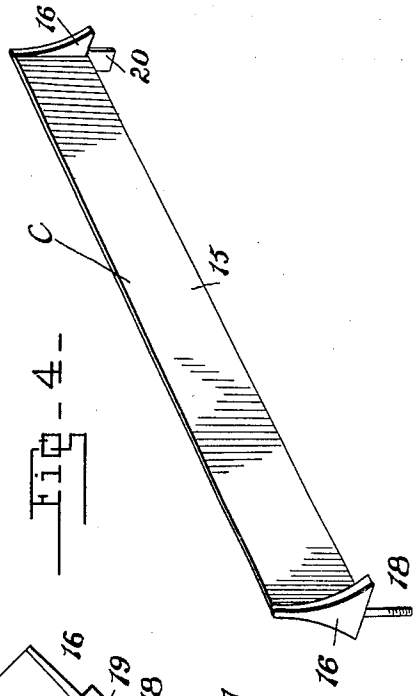


Fig. 4.

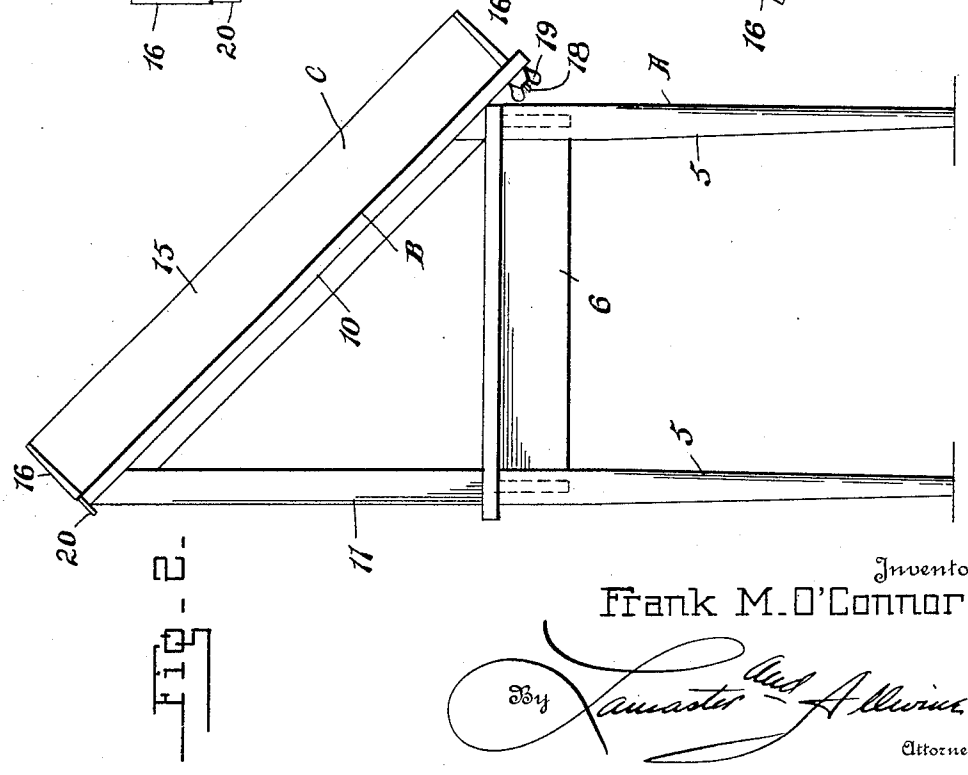


Fig. 2.

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UNITED STATES PATENT OFFICE.

FRANK M. O'CONNOR, OF MASON CITY, IOWA.

STORE-FIXTURE.

1,389,973. Specification of Letters Patent. Patented Sept. 6, 1921.

Application filed November 22, 1920. Serial No. 425,878.

To all whom it may concern:

Be it known that I, FRANK M. O'CONNOR, a citizen of the United States, residing at Mason City, in the county of Cerro Gordo and State of Iowa, have invented certain new and useful Improvements in Store-Fixtures, of which the following is a specification.

This invention relates to store furniture and the primary object of the present invention is to provide an improved shelving or display fixture for grocery stores and the like for holding packaged or canned goods.

Another object of the invention is to provide an improved store shelving in which the goods are held in a novel manner so that the same can be easily reached at all times, so that the inconveniences and loss of time heretobefore experienced in taking goods from shelves will be eliminated.

A further object of the invention is to provide an improved store shelving embodying a supporting base and a top which is adapted to be arranged at any preferred angle, the top having mounted thereon a plurality of guides or division plates arranged in pairs for supporting the goods, the goods being adapted to be fed down the guides by gravity, each of the guides or division plates being adjustable longitudinally of the top so that the same can be arranged according to the width or configuration of the goods which are to be associated therewith.

A further object of the invention is to provide an improved means for arranging the division plates or guides on the top, and an improved means for holding the division plates or guides in their adjusted position.

A still further object of the invention is to provide an improved shelving for grocery stores of the above character, which will be durable and efficient in use, one that is simple and easy to manufacture, and one which can be placed upon the market at a reasonable cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts as will be hereinafter more specifically described, claimed and illustrated in the accompanying drawings, forming a part of this specification, in which drawings:

Figure 1 is a perspective view of the improved store fixture.

Fig. 2 is an end elevation of the same.

Fig. 3 is a transverse section through the top of the fixture illustrating the means of associating the guide or division plates therewith, and

Fig. 4 is a detail perspective view of one of the guide or division plates.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter A indicates the base of the improved store fixture, B the top and C the division plates or guides.

The base A and the top B may be constructed in any preferred manner, or of any preferred material and of any desired configuration, either of a plain design or of an ornamental design so as to please the esthetic taste of the observers.

The base A as shown includes the supporting legs 5 and the connecting end and side rails 6 and 7.

The table top B as shown consists of a relatively flat plate 10, which is supported at its front end upon the upper surface of the supporting base A. The rear end of the plate 10 is supported by uprights or standards 11 and these standards 11 may be of any desired height, for holding the plate 10 at any desired angle. It is preferred however, that the plate 10 be at substantially an angle of 45°.

The partition or guide plates C are preferably arranged in pairs, so as to define a channel therebetween for the reception of the goods, which are to be held, such as packages of coffee, tea, canned corn or other general commodities of a grocery store. These pairs of partition plates, or guides may be arranged at any distance apart that may be desired, but as shown in the drawings, the same are placed relatively near together. The partition or guide plates C which are arranged in pairs to form the guides may also be adjusted toward or away from each other so as to define a space therebetween which will be in accordance with the configuration of the goods, packages or the cans to be held.

Each of the division guides or plates C include a flat relatively thin plate 15, which is adapted to extend transversely across the upper surface of the plate 10 and end plates or brackets 16. These end plates or brackets 16 are of substantially triangular configuration to provide relatively broad bases, so

as to prevent the turning over of the partition or guide plates.

The plate 10 has formed therein adjacent to its front surface, a longitudinally extending slot 17, which terminates short of the ends or transverse edges of the plate. This slot 17 is adapted to slidably receive the depending studs 18 formed on the front or lower brackets 16. A thumb nut 19 may be threaded on the studs 18 and adjusted into tight engagement with the lower surface of the plate 10 for holding the partition strips or guides in their adjusted position. The rear end of the front of the partition plate or strip is provided with a relatively broad thin lug 20, which is adapted to slidably engage the rear end of the plate. This prevents the downward movement of the partition plates or guides on the plate 10 and prevents the partition plates or guides from swinging on the studs 18 as a pivot.

While I have shown one means of adjustably connecting the partition plates or strips C on the upper surface of the plate 10, it is to be understood that other methods can be pursued. It is to be also understood that the partition plates or guides may be made of any desired material, either of metal or wood.

In use of the improved fixture, the partition plates or guides C are arranged in pairs and are adjusted toward and away from each other according to the width of the packages to be held and the thumb nuts 19 are then tightened. The packages or cans are then arranged between the partition plates or guides and as one is taken from the lower end of the guide, the other packages or cans will be fed downwardly by gravity. If so desired, the space intermediate the pairs of partition plates or guides may also be used to hold small packages of articles, such as packages of pepper, tea or the like.

From the foregoing description, it can be seen that an exceptionally simple and novel type of shelving has been provided for grocery stores, which will considerably facilitate the handling of packaged and canned goods.

Changes in details may be made without departing from the spirit or scope of this invention; but,

I claim:

1. In a store fixture, a supporting base, an inclined top plate carried by the supporting base, independent adjustable vertically disposed partition plates carried by and arranged transversely of the top plate, triangular shaped end brackets carried by each of the plates, said brackets forming enlarged bearing surfaces for engaging the upper surface of the top plate.

2. In a store fixture, a supporting base, an inclined top plate carried by the supporting base, a plurality of independent adjustable transversely extending partition plates arranged on the upper surface of the top plate, each of the partition plates having triangular shaped end brackets carried thereby, and relatively flat depending lugs carried by the rear ends of said plates for engaging the rear longitudinal edge of the top plate.

3. A store fixture comprising a supporting base, an inclined top plate having a longitudinally extending slot formed therein, a plurality of independent adjustable division plates arranged on the upper face of the top plate, depending studs carried by the terminals of the division plate, the studs on the front ends of division plates being arranged in the slot, thumb nuts threaded on said last mentioned studs for engagement with the lower surface of the top plate, the studs on the rear ends of the division plates engaging the rear edge of the top plate.

4. In a store fixture, a division plate including a longitudinally extending body, triangular shaped end pieces carried by the body, a threaded stud formed on one of the end pieces, and a depending relatively flat lug carried by the other end piece, said lug forming means for preventing swinging movement of the plate.

FRANK M. O'CONNOR.